
nifcloud-sdk-python Documentation

Release 0.1.6

FUJITSU CLOUD TECHNOLOGIES

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The NIFCLOUD SDK for Python (Developer Preview) is data-driven SDK. It works by feeding AWS-SDK-compatible model JSONs to botocore module.

Contents:

1.1 computing

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- *computing*
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1.1.1 Client

class `computing.Client`

A low-level client representing NIFCLOUD Computing:

```
client = session.create_client('computing')
```

These are the available methods:

- `allocate_address()`
- `associate_address()`
- `associate_route_table()`
- `associate_users()`
- `attach_network_interface()`
- `attach_volume()`
- `authorize_security_group_ingress()`
- `can_paginate()`

- `cancel_copy_instances()`
- `cancel_upload()`
- `clear_load_balancer_session()`
- `configure_health_check()`
- `copy_instances()`
- `create_customer_gateway()`
- `create_dhcp_options()`
- `create_image()`
- `create_key_pair()`
- `create_load_balancer()`
- `create_network_interface()`
- `create_route()`
- `create_route_table()`
- `create_security_group()`
- `create_ssl_certificate()`
- `create_volume()`
- `create_vpn_connection()`
- `create_vpn_gateway()`
- `delete_customer_gateway()`
- `delete_dhcp_options()`
- `delete_image()`
- `delete_key_pair()`
- `delete_load_balancer()`
- `delete_network_interface()`
- `delete_route()`
- `delete_route_table()`
- `delete_security_group()`
- `delete_ssl_certificate()`
- `delete_volume()`
- `delete_vpn_connection()`
- `delete_vpn_gateway()`
- `deregister_instances_from_load_balancer()`
- `deregister_instances_from_security_group()`
- `describe_addresses()`
- `describe_associated_users()`
- `describe_availability_zones()`

- `describe_customer_gateways()`
- `describe_dhcp_options()`
- `describe_images()`
- `describe_instance_attribute()`
- `describe_instance_health()`
- `describe_instances()`
- `describe_key_pairs()`
- `describe_load_balancers()`
- `describe_network_interfaces()`
- `describe_regions()`
- `describe_resources()`
- `describe_route_tables()`
- `describe_security_activities()`
- `describe_security_group_option()`
- `describe_security_groups()`
- `describe_service_status()`
- `describe_ssl_certificate_attribute()`
- `describe_ssl_certificates()`
- `describe_uploads()`
- `describe_usage()`
- `describe_user_activities()`
- `describe_volumes()`
- `describe_vpn_connections()`
- `describe_vpn_gateways()`
- `detach_network_interface()`
- `detach_volume()`
- `disassociate_address()`
- `disassociate_route_table()`
- `dissociate_users()`
- `download_ssl_certificate()`
- `generate_presigned_url()`
- `get_paginator()`
- `get_waiter()`
- `import_instance()`
- `import_key_pair()`
- `modify_image_attribute()`

- `modify_instance_attribute()`
- `modify_network_interface_attribute()`
- `modify_ssl_certificate_attribute()`
- `modify_volume_attribute()`
- `nifty_associate_image()`
- `nifty_associate_nat_table()`
- `nifty_associate_route_table_with_vpn_gateway()`
- `nifty_configure_elastic_load_balancer_health_check()`
- `nifty_create_alarm()`
- `nifty_create_auto_scaling_group()`
- `nifty_create_dhcp_config()`
- `nifty_create_dhcp_ip_address_pool()`
- `nifty_create_dhcp_static_mapping()`
- `nifty_create_elastic_load_balancer()`
- `nifty_create_instance_snapshot()`
- `nifty_create_nat_rule()`
- `nifty_create_nat_table()`
- `nifty_create_private_lan()`
- `nifty_create_router()`
- `nifty_create_separate_instance_rule()`
- `nifty_create_web_proxy()`
- `nifty_delete_alarm()`
- `nifty_delete_auto_scaling_group()`
- `nifty_delete_dhcp_config()`
- `nifty_delete_dhcp_ip_address_pool()`
- `nifty_delete_dhcp_static_mapping()`
- `nifty_delete_elastic_load_balancer()`
- `nifty_delete_instance_snapshot()`
- `nifty_delete_nat_rule()`
- `nifty_delete_nat_table()`
- `nifty_delete_private_lan()`
- `nifty_delete_router()`
- `nifty_delete_separate_instance_rule()`
- `nifty_delete_web_proxy()`
- `nifty_deregister_instances_from_elastic_load_balancer()`
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- `nifty_deregister_routers_from_security_group()`
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- `nifty_describe_alarms()`
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- `nifty_describe_corporate_info_for_certificate()`
- `nifty_describe_dhcp_configs()`
- `nifty_describe_dhcp_status()`
- `nifty_describe_elastic_load_balancers()`
- `nifty_describe_instance_elastic_load_balancer_health()`
- `nifty_describe_instance_snapshots()`
- `nifty_describe_nat_tables()`
- `nifty_describe_performance_chart()`
- `nifty_describe_private_lans()`
- `nifty_describe_routers()`
- `nifty_describe_scaling_activities()`
- `nifty_describe_separate_instance_rules()`
- `nifty_describe_vpn_gateway_activities()`
- `nifty_describe_web_proxies()`
- `nifty_disable_dhcp()`
- `nifty_disassociate_nat_table()`
- `nifty_disassociate_route_table_from_vpn_gateway()`
- `nifty_enable_dhcp()`
- `nifty_modify_address_attribute()`
- `nifty_modify_customer_gateway_attribute()`
- `nifty_modify_elastic_load_balancer_attributes()`
- `nifty_modify_instance_snapshot_attribute()`
- `nifty_modify_key_pair_attribute()`
- `nifty_modify_private_lan_attribute()`
- `nifty_modify_router_attribute()`
- `nifty_modify_vpn_gateway_attribute()`
- `nifty_modify_web_proxy_attribute()`
- `nifty_reboot_routers()`
- `nifty_reboot_vpn_gateways()`

- `nifty_register_instances_with_elastic_load_balancer()`
- `nifty_register_instances_with_separate_instance_rule()`
- `nifty_register_port_with_elastic_load_balancer()`
- `nifty_register_routers_with_security_group()`
- `nifty_register_vpn_gateways_with_security_group()`
- `nifty_release_router_backup_state()`
- `nifty_release_vpn_gateway_backup_state()`
- `nifty_replace_dhcp_config()`
- `nifty_replace_dhcp_option()`
- `nifty_replace_elastic_load_balancer_latest_version()`
- `nifty_replace_nat_rule()`
- `nifty_replace_nat_table_association()`
- `nifty_replace_route_table_association_with_vpn_gateway()`
- `nifty_replace_router_latest_version()`
- `nifty_replace_vpn_gateway_latest_version()`
- `nifty_restore_instance_snapshot()`
- `nifty_restore_router_previous_version()`
- `nifty_restore_vpn_gateway_previous_version()`
- `nifty_retry_import_instance()`
- `nifty_update_alarm()`
- `nifty_update_auto_scaling_group()`
- `nifty_update_elastic_load_balancer()`
- `nifty_update_instance_network_interfaces()`
- `nifty_update_router_network_interfaces()`
- `nifty_update_separate_instance_rule()`
- `nifty_update_vpn_gateway_network_interfaces()`
- `reboot_instances()`
- `register_corporate_info_for_certificate()`
- `register_instances_with_load_balancer()`
- `register_instances_with_security_group()`
- `register_port_with_load_balancer()`
- `release_address()`
- `replace_route()`
- `replace_route_table_association()`
- `revoke_security_group_ingress()`
- `run_instances()`

- `set_filter_for_load_balancer()`
- `start_instances()`
- `stop_instances()`
- `terminate_instances()`
- `update_load_balancer()`
- `update_load_balancer_option()`
- `update_security_group()`
- `update_security_group_option()`
- `upload_ssl_certificate()`

`allocate_address(**kwargs)`

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.allocate_address(
    InstanceId='string',
    NiftyPrivateIp=True | False,
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    }
)
```

Parameters

- **InstanceId** (*string*) –
- **NiftyPrivateIp** (*boolean*) –
- **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AllocationId': 'string',
    'Domain': 'string',
    'Placement': {
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    'PrivateIpAddress': 'string',
    'PublicIp': 'string',
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –

- **AllocationId** (*string*) -
- **Domain** (*string*) -
- **Placement** (*dict*) -
 - * **AvailabilityZone** (*string*) -
 - * **RegionName** (*string*) -
- **PrivateIpAddress** (*string*) -
- **PublicIp** (*string*) -
- **RequestId** (*string*) -

associate_address (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.associate_address(  
    InstanceId='string',  
    NiftyReboot='string',  
    PrivateIpAddress='string',  
    PublicIp='string'  
)
```

Parameters

- **InstanceId** (*string*) -
- **NiftyReboot** (*string*) -
- **PrivateIpAddress** (*string*) -
- **PublicIp** (*string*) -

Return type dict

Returns

Response Syntax

```
{  
    'AssociationId': 'string',  
    'RequestId': 'string',  
    'Return': True|False  
}
```

Response Structure

- (*dict*) -
 - **AssociationId** (*string*) -
 - **RequestId** (*string*) -
 - **Return** (*boolean*) -

associate_route_table (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.associate_route_table(
    Agreement=True|False,
    RouteTableId='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **AssociationId** (*string*) –
 - **RequestId** (*string*) –

associate_users (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.associate_users(
    FunctionName='string',
    Users=[
        {
            'UserId': 'string'
        },
    ]
)
```

Parameters

- **FunctionName** (*string*) –
- **Users** (*list*) –
 - (*dict*) –
 - * **UserId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'AssociateUsersResult': {'... recursive ...'},
  'ResponseMetadata': {
    'RequestId': 'string'
  },
  'Users': [
    {
      'UserId': 'string'
    },
  ]
}
```

Response Structure

- (*dict*) –
 - **AssociateUsersResult** (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –
 - **Users** (*list*) –
 - * (*dict*) –
 - **UserId** (*string*) –

attach_network_interface (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.attach_network_interface(
    InstanceId='string',
    InstanceUniqueId='string',
    NetworkInterfaceId='string',
    NiftyReboot='string'
)
```

Parameters

- **InstanceId** (*string*) –
- **InstanceUniqueId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NiftyReboot** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'AttachmentId': 'string',
  'RequestId': 'string',

```

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```
'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **AttachmentId** (*string*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

attach_volume (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.attach_volume(
    InstanceId='string',
    VolumeId='string'
)
```

Parameters

- **InstanceId** (*string*) –
- **VolumeId** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'AttachTime': datetime(2015, 1, 1),
    'Device': 'string',
    'InstanceId': 'string',
    'InstanceUniqueId': 'string',
    'RequestId': 'string',
    'Status': 'string',
    'VolumeId': 'string'
}
```

Response Structure

- (*dict*) –
 - **AttachTime** (*datetime*) –
 - **Device** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **RequestId** (*string*) –
 - **Status** (*string*) –
 - **VolumeId** (*string*) –

authorize_security_group_ingress (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.authorize_security_group_ingress(
    GroupName='string',
    IpPermissions=[
        {
            'Description': 'string',
            'FromPort': 123,
            'InOut': 'string',
            'IpProtocol': 'string',
            'RequestGroups': [
                {
                    'GroupName': 'string'
                },
            ],
            'RequestIpRanges': [
                {
                    'CidrIp': 'string'
                },
            ],
            'ToPort': 123
        },
    ]
)
```

Parameters

- **GroupName** (*string*) –
- **IpPermissions** (*list*) –
 - (*dict*) –
 - * **Description** (*string*) –
 - * **FromPort** (*integer*) –
 - * **InOut** (*string*) –
 - * **IpProtocol** (*string*) –
 - * **RequestGroups** (*list*) –
 - (*dict*) –
 - **GroupName** (*string*) –
 - * **RequestIpRanges** (*list*) –
 - (*dict*) –
 - **CidrIp** (*string*) –
 - * **ToPort** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **Return** (boolean) –

can_paginate (operation_name)

Check if an operation can be paginated.

Parameters **operation_name** (string) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns True if the operation can be paginated, False otherwise.

cancel_copy_instances (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.cancel_copy_instances(
    InstanceId='string'
)
```

Parameters **InstanceId** (string) –

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string'
}
```

Response Structure

- (dict) –
 - **RequestId** (string) –

cancel_upload (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.cancel_upload(
    ConversionTaskId='string'
)
```

Parameters **ConversionTaskId** (string) –

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

clear_load_balancer_session (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.clear_load_balancer_session(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

configure_health_check (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.configure_health_check(
    HealthCheck={
        'Interval': 123,
        'Target': 'string',
        'UnhealthyThreshold': 123
    },
    InstancePort=123,
```

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```

LoadBalancerName='string',
LoadBalancerPort=123
)

```

Parameters

- **HealthCheck** (*dict*) –
 - **Interval** (*integer*) –
 - **Target** (*string*) –
 - **UnhealthyThreshold** (*integer*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

Return type dict**Returns****Response Syntax**

```

{
  'ConfigureHealthCheckResult': {'... recursive ...'},
  'HealthCheck': {
    'HealthyThreshold': 123,
    'InstanceStates': [
      {
        'Description': 'string',
        'InstanceId': 'string',
        'InstanceUniqueId': 'string',
        'ReasonCode': 'string',
        'State': 'string'
      },
    ],
    'Interval': 123,
    'Target': 'string',
    'Timeout': 123,
    'UnhealthyThreshold': 123
  },
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}

```

Response Structure

- (*dict*) –
 - **ConfigureHealthCheckResult** (*dict*) –
 - **HealthCheck** (*dict*) –
 - * **HealthyThreshold** (*integer*) –
 - * **InstanceStates** (*list*) –
 - (*dict*) –
 - **Description** (*string*) –

- **InstanceId** (*string*) –
- **InstanceUniqueId** (*string*) –
- **ReasonCode** (*string*) –
- **State** (*string*) –
- * **Interval** (*integer*) –
- * **Target** (*string*) –
- * **Timeout** (*integer*) –
- * **UnhealthyThreshold** (*integer*) –
- **ResponseMetadata** (*dict*) –
- * **RequestId** (*string*) –

copy_instances (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.copy_instances(
    CopyCount=123,
    CopyInstance={
        'AccountingType': 'string',
        'InstanceName': 'string',
        'InstanceType': 'string',
        'IpType': 'string',
        'RequestLoadBalancers': [
            {
                'InstancePort': 123,
                'LoadBalancerName': 'string',
                'LoadBalancerPort': 123,
                'Name': 'string'
            },
        ],
        'RequestPlacementStruct': {
            'AvailabilityZone': 'string',
            'RegionName': 'string'
        },
        'RequestSecurityGroup': [
            'string',
        ]
    },
    InstanceId='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        }
    ]
)
```

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```

    },
  ]
)

```

Parameters

- **CopyCount** (*integer*) –
- **CopyInstance** (*dict*) –
 - **AccountingType** (*string*) –
 - **InstanceName** (*string*) –
 - **InstanceType** (*string*) –
 - **IpType** (*string*) –
 - **RequestLoadBalancers** (*list*) –
 - * (*dict*) –
 - **InstancePort** (*integer*) –
 - **LoadBalancerName** (*string*) –
 - **LoadBalancerPort** (*integer*) –
 - **Name** (*string*) –
 - **RequestPlacementStruct** (*dict*) –
 - * **AvailabilityZone** (*string*) –
 - * **RegionName** (*string*) –
 - **RequestSecurityGroup** (*list*) –
 - * (*string*) –
- **InstanceId** (*string*) –
- **NetworkInterface** (*list*) –
 - (*dict*) –
 - * **DeviceIndex** (*integer*) –
 - * **Dhcp** (*boolean*) –
 - * **DhcpConfigId** (*string*) –
 - * **DhcpOptionsId** (*string*) –
 - * **IpAddress** (*string*) –
 - * **IsVipNetwork** (*boolean*) –
 - * **NetworkId** (*string*) –
 - * **NetworkName** (*string*) –
 - * **RequestSecurityGroupId** (*list*) –
 - (*string*) –

Return type dict**Returns****Response Syntax**

```
{
  'CopyInstanceSet': [
    {
      'InstanceId': 'string',
      'InstanceState': 'string',
      'InstanceUniqueId': 'string'
    },
  ],
  'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **CopyInstanceSet** (*list*) –
 - * (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceState** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **RequestId** (*string*) –

create_customer_gateway (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_customer_gateway(
    IPAddress='string',
    NiftyCustomerGatewayDescription='string',
    NiftyCustomerGatewayName='string',
    NiftyLanSideCidrBlock='string',
    NiftyLanSideIpAddress='string'
)
```

Parameters

- **IpAddress** (*string*) –
- **NiftyCustomerGatewayDescription** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –
- **NiftyLanSideCidrBlock** (*string*) –
- **NiftyLanSideIpAddress** (*string*) –

Return type `dict`

Returns

Response Syntax

```
{
  'CustomerGateway': {
    'BgpAsn': 'string',
    'CustomerGatewayId': 'string',
    'IpAddress': 'string',
    'NiftyCustomerGatewayDescription': 'string',
    'NiftyCustomerGatewayName': 'string',
    'NiftyLanSideCidrBlock': 'string',
    'NiftyLanSideIpAddress': 'string',
    'State': 'string',
  }
}
```

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```

    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'Type': 'string'
},
'RequestId': 'string'
}

```

Response Structure

- *(dict)* –
 - **CustomerGateway** (*dict*) –
 - * **BgpAsn** (*string*) –
 - * **CustomerGatewayId** (*string*) –
 - * **IpAddress** (*string*) –
 - * **NiftyCustomerGatewayDescription** (*string*) –
 - * **NiftyCustomerGatewayName** (*string*) –
 - * **NiftyLanSideCidrBlock** (*string*) –
 - * **NiftyLanSideIpAddress** (*string*) –
 - * **State** (*string*) –
 - * **TagSet** (*list*) –
 - *(dict)* –
 - **Key** (*string*) –
 - **Value** (*string*) –
 - * **Type** (*string*) –
 - **RequestId** (*string*) –

create_dhcp_options (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.create_dhcp_options(
    DhcpConfiguration=[
        {
            'Key': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ]
)

```

Parameters DhcpConfiguration (*list*) –

- *(dict)* –
 - **Key** (*string*) –

- **RequestValue** (*list*) –

- * (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'DhcpOptions': {
    'DhcpConfigurationSetType': [
      {
        'Key': 'string',
        'ValueSet': [
          {
            'Value': 'string'
          }
        ]
      }
    ],
    'DhcpOptionsId': 'string'
  },
  'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **DhcpOptions** (*dict*) –
 - * **DhcpConfigurationSetType** (*list*) –
 - (*dict*) –
 - **Key** (*string*) –
 - **ValueSet** (*list*) –
 - (*dict*) –
 - **Value** (*string*) –
 - * **DhcpOptionsId** (*string*) –
 - **RequestId** (*string*) –

create_image (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_image(
    Description='string',
    InstanceId='string',
    LeftInstance=True|False,
    Name='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    }
)
```

Parameters

- **Description** (*string*) –

- **InstanceId** (*string*) –
- **LeftInstance** (*boolean*) –
- **Name** (*string*) –
- **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'ImageId': 'string',
    'ImageState': 'string',
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **ImageId** (*string*) –
 - **ImageState** (*string*) –
 - **RequestId** (*string*) –

create_key_pair (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_key_pair(
    Description='string',
    KeyName='string',
    Password='string'
)
```

Parameters

- **Description** (*string*) –
- **KeyName** (*string*) –
- **Password** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'KeyFingerprint': 'string',
    'KeyMaterial': 'string',
    'KeyName': 'string',
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **KeyFingerprint** (*string*) –
 - **KeyMaterial** (*string*) –
 - **KeyName** (*string*) –
 - **RequestId** (*string*) –

create_load_balancer (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.create_load_balancer(
    AccountingType='string',
    AvailabilityZones=[
        'string',
    ],
    IpVersion='string',
    Listeners=[
        {
            'BalancingType': 'string',
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'string',
            'RequestHealthCheckStruct': {
                'Interval': 123,
                'Target': 'string',
                'UnhealthyThreshold': 123
            },
            'RequestInstances': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'RequestSessionStruct': {
                'RequestStickinessPolicyStruct': {
                    'Enable': True|False,
                    'ExpirationPeriod': 123,
                    'Method': 'string'
                }
            },
            'RequestSorryPageStruct': {
                'Enable': True|False,
                'RedirectUrl': 'string'
            },
            'SSLCertificateId': 'string'
        },
    ],
    LoadBalancerName='string',
    NetworkVolume=123
)

```

Parameters

- **AccountingType** (*string*) –
- **AvailabilityZones** (*list*) –
 - (*string*) –
- **IpVersion** (*string*) –
- **Listeners** (*list*) –
 - (*dict*) –
 - * **BalancingType** (*string*) –
 - * **Description** (*string*) –
 - * **ElasticLoadBalancerPort** (*integer*) –
 - * **InstancePort** (*integer*) –
 - * **LoadBalancerPort** (*integer*) –
 - * **Protocol** (*string*) –

- * **RequestHealthCheckStruct** (*dict*) –
 - **Interval** (*integer*) –
 - **Target** (*string*) –
 - **UnhealthyThreshold** (*integer*) –
- * **RequestInstances** (*list*) –
 - (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
- * **RequestSessionStruct** (*dict*) –
 - **RequestStickinessPolicyStruct** (*dict*) –
 - **Enable** (*boolean*) –
 - **ExpirationPeriod** (*integer*) –
 - **Method** (*string*) –
- * **RequestSorryPageStruct** (*dict*) –
 - **Enable** (*boolean*) –
 - **RedirectUrl** (*string*) –
- * **SSLCertificateId** (*string*) –
- **LoadBalancerName** (*string*) –
- **NetworkVolume** (*integer*) –

Return type `dict`

Returns

Response Syntax

```
{
  'CreateLoadBalancerResult': {'... recursive ...'},
  'DNSName': 'string',
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **CreateLoadBalancerResult** (*dict*) –
 - **DNSName** (*string*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

create_network_interface (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_network_interface(
    Description='string',
    IpAddress='string',
    NiftyNetworkId='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    }
)
```

Parameters

- **Description** (*string*) –
- **IpAddress** (*string*) –

- **NiftyNetworkId** (*string*)–
- **Placement** (*dict*)–
 - **AvailabilityZone** (*string*)–
 - **RegionName** (*string*)–

Return type dict

Returns

Response Syntax

```
{
  'NetworkInterface': {
    'Association': {
      'AllocationId': 'string',
      'AssociationId': 'string',
      'IpOwnerId': 'string',
      'PublicDnsName': 'string',
      'PublicIp': 'string',
      'PublicIpV6': 'string'
    },
    'Attachment': {
      'AttachTime': datetime(2015, 1, 1),
      'AttachmentID': 'string',
      'AttachmentId': 'string',
      'DeleteOnTermination': True|False,
      'DeviceIndex': 123,
      'InstanceId': 'string',
      'InstanceOwnerId': 'string',
      'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'Description': 'string',
    'GroupSet': [
      {
        'GroupId': 'string'
      }
    ],
    'InterfaceType': 'string',
    'Ipv6AddressesSet': [
      {
        'Ipv6Address': 'string'
      }
    ],
    'MacAddress': 'string',
    'NetworkInterfaceId': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressesSet': [
      {
        'Association': {
          'AllocationId': 'string',
          'AssociationId': 'string',
          'IpOwnerId': 'string',
          'PublicDnsName': 'string',
          'PublicIp': 'string',
          'PublicIpV6': 'string'
        }
      }
    ]
  }
}
```

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```

        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
'RequestId': 'string',
'Return': True|False
}

```

Response Structure

- *(dict)* –
 - **NetworkInterface** *(dict)* –
 - * **Association** *(dict)* –
 - **AllocationId** *(string)* –
 - **AssociationId** *(string)* –
 - **IpOwnerId** *(string)* –
 - **PublicDnsName** *(string)* –
 - **PublicIp** *(string)* –
 - **PublicIpV6** *(string)* –
 - * **Attachment** *(dict)* –
 - **AttachTime** *(datetime)* –
 - **AttachmentID** *(string)* –
 - **AttachmentId** *(string)* –
 - **DeleteOnTermination** *(boolean)* –
 - **DeviceIndex** *(integer)* –
 - **InstanceId** *(string)* –
 - **InstanceOwnerId** *(string)* –
 - **Status** *(string)* –
 - * **AvailabilityZone** *(string)* –
 - * **Description** *(string)* –
 - * **GroupSet** *(list)* –
 - *(dict)* –
 - **GroupId** *(string)* –
 - * **InterfaceType** *(string)* –
 - * **Ipv6AddressesSet** *(list)* –
 - *(dict)* –
 - **Ipv6Address** *(string)* –
 - * **MacAddress** *(string)* –
 - * **NetworkInterfaceId** *(string)* –
 - * **NiftyNetworkId** *(string)* –

- * **NiftyNetworkName** (*string*) –
- * **OwnerId** (*string*) –
- * **PrivateDnsName** (*string*) –
- * **PrivateIpAddress** (*string*) –
- * **PrivateIpAddressesSet** (*list*) –
 - (*dict*) –
 - **Association** (*dict*) –
 - **AllocationId** (*string*) –
 - **AssociationId** (*string*) –
 - **IpOwnerId** (*string*) –
 - **PublicDnsName** (*string*) –
 - **PublicIp** (*string*) –
 - **PublicIpV6** (*string*) –
 - **Primary** (*boolean*) –
 - **PrivateDnsName** (*string*) –
 - **PrivateIpAddress** (*string*) –
- * **RequesterId** (*string*) –
- * **RequesterManaged** (*string*) –
- * **SourceDestCheck** (*string*) –
- * **Status** (*string*) –
- * **SubnetId** (*string*) –
- * **TagSet** (*list*) –
 - (*dict*) –
 - **Key** (*string*) –
 - **Value** (*string*) –
- * **VpcId** (*string*) –
- **RequestId** (*string*) –
- **Return** (*boolean*) –

`create_route` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_route(  
    DestinationCidrBlock='string',  
    IpAddress='string',  
    NetworkId='string',  
    NetworkName='string',  
    RouteTableId='string'  
)
```

Parameters

- **DestinationCidrBlock** (*string*) –
- **IpAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouteTableId** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False
```

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}

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

create_route_table()See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.create_route_table()
```

Return type dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'RouteTable': {
    'RouteTableId': 'string',
    'TagSet': [
      {
        'Key': 'string',
        'Value': 'string'
      },
    ]
  }
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **RouteTable** (*dict*) –
 - * **RouteTableId** (*string*) –
 - * **TagSet** (*list*) –
 - (*dict*) –
 - **Key** (*string*) –
 - **Value** (*string*) –

create_security_group(kwargs)**See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.create_security_group(
    GroupDescription='string',
    GroupName='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    }
)
```

Parameters

- **GroupDescription** (*string*) –

- **GroupName** (*string*) –
- **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –

Return type `dict`

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

create_ssl_certificate (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_ssl_certificate(
    ApproverEmailAddress='string',
    CertAuthority=123,
    CertInfo={
        'LocationName': 'string',
        'OrganizationName': 'string',
        'OrganizationUnitName': 'string',
        'StateName': 'string'
    },
    Count=123,
    Fqdn='string',
    FqdnId='string',
    KeyLength=123,
    ValidityTerm=123
)
```

Parameters

- **ApproverEmailAddress** (*string*) –
- **CertAuthority** (*integer*) –
- **CertInfo** (*dict*) –
 - **LocationName** (*string*) –
 - **OrganizationName** (*string*) –
 - **OrganizationUnitName** (*string*) –
 - **StateName** (*string*) –
- **Count** (*integer*) –
- **Fqdn** (*string*) –
- **FqdnId** (*string*) –
- **KeyLength** (*integer*) –
- **ValidityTerm** (*integer*) –

Return type `dict`

Returns

Response Syntax

```
{
  'ApproverEmailAddress': 123,
  'CertAuthority': 'string',
  'CertState': 'string',
  'Fqdn': 'string',
  'FqdnId': 'string',
  'RequestId': 'string',
  'ValidityTerm': 123
}
```

Response Structure

- (*dict*) –
 - **ApproverEmailAddress** (*integer*) –
 - **CertAuthority** (*string*) –
 - **CertState** (*string*) –
 - **Fqdn** (*string*) –
 - **FqdnId** (*string*) –
 - **RequestId** (*string*) –
 - **ValidityTerm** (*integer*) –

`create_volume` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_volume(
    AccountingType='string',
    Description='string',
    DiskType='string',
    InstanceId='string',
    Size=123,
    VolumeId='string'
)
```

Parameters

- **AccountingType** (*string*) –
- **Description** (*string*) –
- **DiskType** (*string*) –
- **InstanceId** (*string*) –
- **Size** (*integer*) –
- **VolumeId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'AccountingType': 'string',
  'AvailabilityZone': 'string',
  'CreateTime': datetime(2015, 1, 1),
  'DiskType': 'string',
  'RequestId': 'string',
  'Size': 'string',
  'SnapshotId': 'string',
  'Status': 'string',
  'VolumeId': 'string'
}
```

Response Structure

- (*dict*) –
 - **AccountingType** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **CreateTime** (*datetime*) –
 - **DiskType** (*string*) –
 - **RequestId** (*string*) –
 - **Size** (*string*) –
 - **SnapshotId** (*string*) –
 - **Status** (*string*) –
 - **VolumeId** (*string*) –

create_vpn_connection (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.create_vpn_connection(
    Agreement=True|False,
    CustomerGatewayId='string',
    NiftyCustomerGatewayName='string',
    NiftyIPsecConfiguration={
        'EncryptionAlgorithm': 'string',
        'HashAlgorithm': 'string',
        'PreSharedKey': 'string'
    },
    NiftyIpsecConfiguration={
        'InternetKeyExchange': 'string'
    },
    NiftyTunnel={
        'DestinationPort': 'string',
        'Encapsulation': 'string',
        'Mode': 'string',
        'PeerSessionId': 'string',
        'PeerTunnelId': 'string',
        'SessionId': 'string',
        'SourcePort': 'string',
        'TunnelId': 'string',
        'Type': 'string'
    },
    NiftyVpnConnectionDescription='string',
    NiftyVpnConnectionMtu='string',
    NiftyVpnGatewayName='string',
    Type='string',
    VpnGatewayId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **CustomerGatewayId** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –
- **NiftyIPsecConfiguration** (*dict*) –
 - **EncryptionAlgorithm** (*string*) –
 - **HashAlgorithm** (*string*) –
 - **PreSharedKey** (*string*) –
- **NiftyIpsecConfiguration** (*dict*) –
 - **InternetKeyExchange** (*string*) –
- **NiftyTunnel** (*dict*) –

- **DestinationPort** (*string*) -
- **Encapsulation** (*string*) -
- **Mode** (*string*) -
- **PeerSessionId** (*string*) -
- **PeerTunnelId** (*string*) -
- **SessionId** (*string*) -
- **SourcePort** (*string*) -
- **TunnelId** (*string*) -
- **Type** (*string*) -
- **NiftyVpnConnectionDescription** (*string*) -
- **NiftyVpnConnectionMtu** (*string*) -
- **NiftyVpnGatewayName** (*string*) -
- **Type** (*string*) -
- **VpnGatewayId** (*string*) -

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'VpnConnection': {
    'CreatedTime': datetime(2015, 1, 1),
    'CustomerGatewayConfiguration': 'string',
    'CustomerGatewayId': 'string',
    'NiftyCustomerGatewayName': 'string',
    'NiftyIpsecConfiguration': {
      'EncryptionAlgorithm': 'string',
      'HashingAlgorithm': 'string',
      'InternetKeyExchange': 'string',
      'Mtu': 'string',
      'PreSharedKey': 'string'
    },
    'NiftyTunnel': {
      'DestinationPort': 'string',
      'Encapsulation': 'string',
      'Mode': 'string',
      'PeerSessionId': 'string',
      'PeerTunnelId': 'string',
      'SessionId': 'string',
      'SourcePort': 'string',
      'TunnelId': 'string',
      'Type': 'string'
    },
    'NiftyVpnConnectionDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'Options': {
      'StaticRoutesOnly': True|False
    },
    'Routes': {
      'DestinationCidrBlock': 'string',
      'Source': 'string',
      'State': 'string'
    },
    'State': 'string',
    'TagSet': [
      {
```

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```

        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'VgwTelemetry': [
    {
        'AcceptedRouteCount': 123,
        'LastStatusChange': datetime(2015, 1, 1),
        'OutsideIpAddress': 'string',
        'Status': 'string',
        'StatusMessage': 'string'
    },
],
'VpnConnectionId': 'string',
'VpnGatewayId': 'string'
}
}

```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **VpnConnection** (dict) –
 - * **CreatedTime** (datetime) –
 - * **CustomerGatewayConfiguration** (string) –
 - * **CustomerGatewayId** (string) –
 - * **NiftyCustomerGatewayName** (string) –
 - * **NiftyIpsecConfiguration** (dict) –
 - **EncryptionAlgorithm** (string) –
 - **HashingAlgorithm** (string) –
 - **InternetKeyExchange** (string) –
 - **Mtu** (string) –
 - **PreSharedKey** (string) –
 - * **NiftyTunnel** (dict) –
 - **DestinationPort** (string) –
 - **Encapsulation** (string) –
 - **Mode** (string) –
 - **PeerSessionId** (string) –
 - **PeerTunnelId** (string) –
 - **SessionId** (string) –
 - **SourcePort** (string) –
 - **TunnelId** (string) –
 - **Type** (string) –
 - * **NiftyVpnConnectionDescription** (string) –
 - * **NiftyVpnGatewayName** (string) –
 - * **Options** (dict) –
 - **StaticRoutesOnly** (boolean) –
 - * **Routes** (dict) –
 - **DestinationCidrBlock** (string) –
 - **Source** (string) –
 - **State** (string) –
 - * **State** (string) –
 - * **TagSet** (list) –
 - (dict) –

- **Key** (*string*) –
- **Value** (*string*) –
- * **Type** (*string*) –
- * **VgwTelemetry** (*list*) –
 - (*dict*) –
 - **AcceptedRouteCount** (*integer*) –
 - **LastStatusChange** (*datetime*) –
 - **OutsideIpAddress** (*string*) –
 - **Status** (*string*) –
 - **StatusMessage** (*string*) –
- * **VpnConnectionId** (*string*) –
- * **VpnGatewayId** (*string*) –

`create_vpn_gateway` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_vpn_gateway(
    AccountingType='string',
    NiftyNetwork={
        'IpAddress': 'string',
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    NiftyRedundancy=True|False,
    NiftyVpnGatewayDescription='string',
    NiftyVpnGatewayName='string',
    NiftyVpnGatewayType='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    SecurityGroup=[
        'string',
    ]
)
```

Parameters

- **AccountingType** (*string*) –
- **NiftyNetwork** (*dict*) –
 - **IpAddress** (*string*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –
- **SecurityGroup** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```

{
  'RequestId': 'string',
  'VpnGateway': {
    'AccountingType': 'string',
    'Attachments': [
      {
        'State': 'string',
        'VpcId': 'string'
      },
    ],
    'AvailabilityZone': 'string',
    'CreatedTime': datetime(2015, 1, 1),
    'GroupSet': [
      {
        'GroupId': 'string'
      },
    ],
  },
  'NetworkInterfaceSet': [
    {
      'Association': {
        'AllocationId': 'string',
        'AssociationId': 'string',
        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
      },
      'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
      },
      'AvailabilityZone': 'string',
      'CidrBlock': 'string',
      'Descriprion': 'string',
      'Description': 'string',
      'DeviceIndex': 123,
      'Dhcp': True|False,
      'DhcpOptionsId': 'string',
      'GroupSet': [
        {
          'GroupId': 'string'
        },
      ],
      'InterfaceType': 'string',
      'IpAddress': 'string',
      'Ipv6AddressesSet': [
        {
          'Ipv6Address': 'string'
        },
      ],
      'MacAddress': 'string',

```

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```

        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'VpnGatewayId': 'string'
}

```

Response Structure

- (*dict*)–

- **RequestId** (*string*) –
- **VpnGateway** (*dict*) –
 - * **AccountingType** (*string*) –
 - * **Attachments** (*list*) –
 - (*dict*) –
 - **State** (*string*) –
 - **VpcId** (*string*) –
 - * **AvailabilityZone** (*string*) –
 - * **CreatedTime** (*datetime*) –
 - * **GroupSet** (*list*) –
 - (*dict*) –
 - **GroupId** (*string*) –
 - * **NetworkInterfaceSet** (*list*) –
 - (*dict*) –
 - **Association** (*dict*) –
 - **AllocationId** (*string*) –
 - **AssociationId** (*string*) –
 - **IpOwnerId** (*string*) –
 - **PublicDnsName** (*string*) –
 - **PublicIp** (*string*) –
 - **PublicIpV6** (*string*) –
 - **Attachment** (*dict*) –
 - **AttachTime** (*datetime*) –
 - **AttachmentID** (*string*) –
 - **AttachmentId** (*string*) –
 - **DeleteOnTermination** (*boolean*) –
 - **DeviceIndex** (*integer*) –
 - **InstanceId** (*string*) –
 - **InstanceOwnerId** (*string*) –
 - **Status** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **CidrBlock** (*string*) –
 - **Descripriion** (*string*) –
 - **Description** (*string*) –
 - **DeviceIndex** (*integer*) –
 - **Dhcp** (*boolean*) –
 - **DhcpOptionsId** (*string*) –
 - **GroupSet** (*list*) –
 - (*dict*) –
 - **GroupId** (*string*) –
 - **InterfaceType** (*string*) –
 - **IpAddress** (*string*) –
 - **Ipv6AddressesSet** (*list*) –
 - (*dict*) –
 - **Ipv6Address** (*string*) –
 - **MacAddress** (*string*) –
 - **NetworkId** (*string*) –
 - **NetworkInterfaceId** (*string*) –
 - **NetworkName** (*string*) –
 - **NiftyNetworkId** (*string*) –
 - **NiftyNetworkName** (*string*) –
 - **OwnerId** (*string*) –
 - **PrivateDnsName** (*string*) –
 - **PrivateIpAddress** (*string*) –

- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- * **NextMonthAccountingType** (*string*) –
- * **NiftyRedundancy** (*boolean*) –
- * **NiftyVpnGatewayDescription** (*string*) –
- * **NiftyVpnGatewayName** (*string*) –
- * **NiftyVpnGatewayType** (*string*) –
- * **State** (*string*) –
- * **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- * **Type** (*string*) –
- * **VpnGatewayId** (*string*) –

`delete_customer_gateway` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_customer_gateway(
    CustomerGatewayId='string',
    NiftyCustomerGatewayName='string'
)
```

Parameters

- **CustomerGatewayId** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
```

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```

    'Return': True|False
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_dhcp_options (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.delete_dhcp_options(
    DhcpOptionsId='string'
)

```

Parameters **DhcpOptionsId** (*string*) –**Return type** *dict***Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_image (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.delete_image(
    ImageId='string'
)

```

Parameters **ImageId** (*string*) –**Return type** *dict***Returns****Response Syntax**

```

{
    'RequestId': 'string'
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –

delete_key_pair (***kwargs*)See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_key_pair(
    KeyName='string'
)
```

Parameters **KeyName** (*string*) –**Return type** dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_load_balancer (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.delete_load_balancer(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

Return type dict**Returns****Response Syntax**

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

delete_network_interface (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.delete_network_interface(  
    NetworkInterfaceId='string'  
)
```

Parameters `NetworkInterfaceId` (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_route (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_route(  
    DestinationCidrBlock='string',  
    RouteTableId='string'  
)
```

Parameters

- **DestinationCidrBlock** (*string*) –
- **RouteTableId** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_route_table (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_route_table(  
    RouteTableId='string'  
)
```

Parameters `RouteTableId` (*string*) –

Return type dict

Returns**Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_security_group(
    GroupName='string'
)
```

Parameters **GroupName** (*string*) –

Return type dict

Returns**Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_ssl_certificate (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_ssl_certificate(
    FqdnId='string'
)
```

Parameters **FqdnId** (*string*) –

Return type dict

Returns**Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_volume (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_volume(  
    VolumeId='string'  
)
```

Parameters **VolumeId** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_vpn_connection (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_vpn_connection(  
    Agreement=True|False,  
    VpnConnectionId='string'  
)
```

Parameters

- **Agreement** (*boolean*) –
- **VpnConnectionId** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

delete_vpn_gateway (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_vpn_gateway(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

deregister_instances_from_load_balancer (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.deregister_instances_from_load_balancer(
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) –
- **Instances** (*list*) –
 - (*dict*) –
 - * **InstanceId** (*string*) –
 - * **InstanceUniqueId** (*string*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'DeregisterInstancesFromLoadBalancerResult': {'...'},
    ↪recursive ...',
}
```

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```

'Instances': [
    {
        'InstanceId': 'string',
        'InstanceUniqueId': 'string'
    },
],
'ResponseMetadata': {
    'RequestId': 'string'
}
}

```

Response Structure

- *(dict)* –
 - **DeregisterInstancesFromLoadBalancerResult** (*dict*) –
 - **Instances** (*list*) –
 - * (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

deregister_instances_from_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.deregister_instances_from_security_group(
    GroupName='string',
    InstanceId=[
        'string',
    ]
)

```

Parameters

- **GroupName** (*string*) –
- **InstanceId** (*list*) –
 - (*string*) –

Return type dict

Returns**Response Syntax**

```

{
    'InstancesSet': [
        {
            'AccountingType': 'string',
            'Admin': 'string',
            'AmiLaunchIndex': 'string',
            'Architecture': 'string',
            'Autoscaling': {
                'AutoScalingGroupName': 'string',
                'ExpireTime': datetime(2015, 1, 1)
            },
            'BlockDeviceMapping': [
                {
                    'DeviceName': 'string',

```

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```

        'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',

```

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```

        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descripriion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',

```

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```

        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
],

```

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```

        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **InstancesSet** (list) –
 - * (dict) –
 - **AccountingType** (string) –
 - **Admin** (string) –
 - **AmiLaunchIndex** (string) –
 - **Architecture** (string) –
 - **Autoscaling** (dict) –
 - **AutoScalingGroupName** (string) –
 - **ExpireTime** (datetime) –
 - **BlockDeviceMapping** (list) –
 - (dict) –
 - **DeviceName** (string) –
 - **Ebs** (dict) –
 - **AttachTime** (datetime) –
 - **DeleteOnTermination** (boolean) –
 - **SnapshotId** (string) –
 - **Status** (string) –
 - **VolumeId** (string) –
 - **VolumeSize** (integer) –
 - **NoDevice** (string) –
 - **VirtualName** (string) –
 - **CopyInfo** (string) –
 - **CurrentState** (dict) –
 - **Code** (integer) –
 - **Name** (string) –
 - **Description** (string) –
 - **DeviceIndex** (integer) –
 - **DnsName** (string) –
 - **ExpireTime** (datetime) –
 - **HotAdd** (string) –
 - **ImageId** (string) –
 - **ImageName** (string) –
 - **InstanceId** (string) –
 - **InstanceLifecycle** (string) –
 - **InstanceState** (dict) –
 - **Code** (integer) –
 - **Name** (string) –
 - **InstanceType** (string) –
 - **InstanceUniqueId** (string) –
 - **IpAddress** (string) –
 - **IpAddressV6** (string) –
 - **IpType** (string) –
 - **KernelId** (string) –

- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –

- *(dict)* –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- *(dict)* –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- *(dict)* –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- *(dict)* –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- *(dict)* –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –

- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **RequestId** (*string*) –

describe_addresses (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_addresses(
    PrivateIpAddress=[
        'string',
    ],
    PublicIp=[
        'string',
    ]
)
```

Parameters

- **PrivateIpAddress** (*list*) –
 - (*string*) –
- **PublicIp** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AddressesSet': [
        {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'AvailabilityZone': 'string',
            'Description': 'string',
            'Domain': 'string',
            'InstanceId': 'string',
            'InstanceUniqueId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkInterfaceOwnerId': 'string',
            'PrivateIpAddress': 'string',
            'PublicIp': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **AddressesSet** (*list*) –
 - * (*dict*) –
 - **AllocationId** (*string*) –
 - **AssociationId** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **Description** (*string*) –

- **Domain** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **NetworkInterfaceId** (*string*) –
 - **NetworkInterfaceOwnerId** (*string*) –
 - **PrivateIpAddress** (*string*) –
 - **PublicIp** (*string*) –
- **RequestId** (*string*) –

describe_associated_users (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_associated_users(  
    FunctionName='string'  
)
```

Parameters **FunctionName** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'DescribeAssociatedUsersResult': {'... recursive ...'},  
    'ResponseMetadata': {  
        'RequestId': 'string'  
    },  
    'Users': [  
        {  
            'UserId': 'string'  
        },  
    ]  
}
```

Response Structure

- (*dict*) –
 - **DescribeAssociatedUsersResult** (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –
 - **Users** (*list*) –
 - * (*dict*) –
 - **UserId** (*string*) –

describe_availability_zones (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_availability_zones(  
    ZoneName=[  
        'string',  
    ]  
)
```

Parameters **ZoneName** (*list*) –

- (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'AvailabilityZoneInfo': [
    {
      'MessageSet': [
        {
          'Message': 'string'
        },
      ],
      'RegionName': 'string',
      'ZoneName': 'string',
      'ZoneState': 'string'
    },
  ],
  'RequestId': 'string'
}
```

Response Structure

- *(dict)* –
 - **AvailabilityZoneInfo** (*list*) –
 - * *(dict)* –
 - **MessageSet** (*list*) –
 - *(dict)* –
 - **Message** (*string*) –
 - **RegionName** (*string*) –
 - **ZoneName** (*string*) –
 - **ZoneState** (*string*) –
 - **RequestId** (*string*) –

describe_customer_gateways (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_customer_gateways(
    CustomerGatewayId=[
        'string',
    ],
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    NiftyCustomerGatewayName=[
        'string',
    ]
)
```

Parameters

- **CustomerGatewayId** (*list*) –
 - (*string*) –
- **Filter** (*list*) –

- (dict) -
 - * **Name** (string) -
 - * **RequestValue** (list) -
 - (string) -
- **NiftyCustomerGatewayName** (list) -
 - (string) -

Return type dict

Returns

Response Syntax

```
{
  'CustomerGatewaySet': [
    {
      'BgpAsn': 'string',
      'CreatedTime': datetime(2015, 1, 1),
      'CustomerGatewayId': 'string',
      'IpAddress': 'string',
      'NiftyCustomerGatewayDescription': 'string',
      'NiftyCustomerGatewayName': 'string',
      'NiftyLanSideCidrBlock': 'string',
      'NiftyLanSideIpAddress': 'string',
      'State': 'string',
      'TagSet': [
        {
          'Key': 'string',
          'Value': 'string'
        },
      ],
      'Type': 'string'
    },
  ],
  'RequestId': 'string'
}
```

Response Structure

- (dict) -
 - **CustomerGatewaySet** (list) -
 - * (dict) -
 - **BgpAsn** (string) -
 - **CreatedTime** (datetime) -
 - **CustomerGatewayId** (string) -
 - **IpAddress** (string) -
 - **NiftyCustomerGatewayDescription** (string) -
 - **NiftyCustomerGatewayName** (string) -
 - **NiftyLanSideCidrBlock** (string) -
 - **NiftyLanSideIpAddress** (string) -
 - **State** (string) -
 - **TagSet** (list) -
 - (dict) -
 - **Key** (string) -
 - **Value** (string) -
 - **Type** (string) -
 - **RequestId** (string) -

`describe_dhcp_options` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.describe_dhcp_options(
    DhcpOptionsId=[
        'string',
    ],
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ]
)

```

Parameters

- **DhcpOptionsId** (*list*) –
 - (*string*) –
- **Filter** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```

{
    'DhcpOptionsSet': {
        'DhcpConfigurationSet': [
            {
                'Key': 'string',
                'ValueSet': [
                    {
                        'Value': 'string'
                    },
                ]
            },
        ],
        'DhcpOptionsId': 'string'
    },
    'RequestId': 'string'
}

```

Response Structure

- (*dict*) –
 - **DhcpOptionsSet** (*dict*) –
 - * **DhcpConfigurationSet** (*list*) –
 - (*dict*) –
 - **Key** (*string*) –
 - **ValueSet** (*list*) –
 - (*dict*) –
 - **Value** (*string*) –
 - * **DhcpOptionsId** (*string*) –
 - **RequestId** (*string*) –

describe_images (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.describe_images(  
    ImageId=[  
        'string',  
    ],  
    ImageName=[  
        'string',  
    ],  
    Owner=[  
        'string',  
    ]  
)
```

Parameters

- **ImageId** (*list*) –
– (*string*) –
- **ImageName** (*list*) –
– (*string*) –
- **Owner** (*list*) –
– (*string*) –

Return type dict**Returns****Response Syntax**

```
{  
    'ImagesSet': [  
        {  
            'Architecture': 'string',  
            'BlockDeviceMapping': [  
                {  
                    'DeviceName': 'string',  
                    'Ebs': {  
                        'AttachTime': datetime(2015, 1, 1),  
                        'DeleteOnTermination': True|False,  
                        'SnapshotId': 'string',  
                        'Status': 'string',  
                        'VolumeId': 'string',  
                        'VolumeSize': 123  
                    },  
                    'NoDevice': 'string',  
                    'VirtualName': 'string'  
                },  
            ],  
            'Description': 'string',  
            'DetailDescription': 'string',  
            'ImageId': 'string',  
            'ImageLocation': 'string',  
            'ImageOwnerAlias': 'string',  
            'ImageOwnerId': 'string',  
            'ImageState': 'string',  
            'ImageType': 'string',  
            'IsPublic': True|False,  
            'KernelId': 'string',
```

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```

'LaunchTime': datetime(2015, 1, 1),
'Name': 'string',
'NiftyContactUrl': 'string',
'NiftyDistributionIds': [
    {
        'DistributionId': 'string'
    },
],
'NiftyImageSize': 123,
'NiftyIsAllowedDistribution': True|False,
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Redistributable': True|False,
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
}
},
],
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **ImagesSet** (list) –
 - * (dict) –
 - **Architecture** (string) –
 - **BlockDeviceMapping** (list) –
 - (dict) –
 - **DeviceName** (string) –
 - **Ebs** (dict) –
 - **AttachTime** (datetime) –
 - **DeleteOnTermination** (boolean) –
 - **SnapshotId** (string) –
 - **Status** (string) –
 - **VolumeId** (string) –
 - **VolumeSize** (integer) –
 - **NoDevice** (string) –
 - **VirtualName** (string) –
 - **Description** (string) –
 - **DetailDescription** (string) –
 - **ImageId** (string) –
 - **ImageLocation** (string) –
 - **ImageOwnerAlias** (string) –

- **ImageOwnerId** (*string*) –
 - **ImageState** (*string*) –
 - **ImageType** (*string*) –
 - **IsPublic** (*boolean*) –
 - **KernelId** (*string*) –
 - **LaunchTime** (*datetime*) –
 - **Name** (*string*) –
 - **NiftyContactUrl** (*string*) –
 - **NiftyDistributionIds** (*list*) –
 - (*dict*) –
 - **DistributionId** (*string*) –
 - **NiftyImageSize** (*integer*) –
 - **NiftyIsAllowedDistribution** (*boolean*) –
 - **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –
 - **Platform** (*string*) –
 - **ProductCodes** (*list*) –
 - (*dict*) –
 - **ProductCode** (*string*) –
 - **RamdiskId** (*string*) –
 - **Redistributable** (*boolean*) –
 - **RootDeviceName** (*string*) –
 - **RootDeviceType** (*string*) –
 - **StateReason** (*dict*) –
 - **Code** (*integer*) –
 - **Message** (*string*) –
- **RequestId** (*string*) –

`describe_instance_attribute` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_instance_attribute(
    Attribute='string',
    InstanceId='string'
)
```

Parameters

- **Attribute** (*string*) –
- **InstanceId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'AccountingType': {
    'Value': 'string'
  },
  'Autoscaling': {
    'AutoScalingGroupName': 'string',
    'ExpireTime': datetime(2015, 1, 1)
  },
  'BlockDeviceMapping': [
```

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```

    {
        'DeviceName': 'string',
        'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': {
    'InstanceCopy': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'Value': 'string'
},
'DescriptionValue': {
    'Value': 'string'
},
'DisableApiTermination': {
    'Value': 'string'
},
'GroupIdValue': {
    'Value': 'string'
},
'InstanceId': 'string',
'InstanceInitiatedShutdownBehavior': {
    'Value': 'string'
},
'InstanceType': {
    'Value': 'string'
},
'InstanceUniqueId': 'string',
'IpType': {
    'Value': 'string'
},
'Kernel': {
    'Value': 'string'
},
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'NetworkInterfaceSet': [
    {
        'Association': {

```

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```

        'AllocationId': 'string',
        'AssociationId': 'string',
        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,

```

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```

        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': {
    'Value': 'string'
},
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    }
],
],
'NiftyPrivateIpType': {
    'Value': 'string'
},
'Ramdisk': {
    'Value': 'string'
},
'RequestId': 'string',
'RootDeviceName': {
    'Value': 'string'
},
},
'UserData': {
    'Value': 'string'
}
}

```

Response Structure

- *(dict)* –
 - **AccountingType** *(dict)* –
 - * **Value** *(string)* –
 - **Autoscaling** *(dict)* –
 - * **AutoScalingGroupName** *(string)* –
 - * **ExpireTime** *(datetime)* –
 - **BlockDeviceMapping** *(list)* –
 - * *(dict)* –
 - **DeviceName** *(string)* –
 - **Ebs** *(dict)* –

- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*dict*) –
 - * **InstanceCopy** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **Value** (*string*) –
- **DescriptionValue** (*dict*) –
 - * **Value** (*string*) –
- **DisableApiTermination** (*dict*) –
 - * **Value** (*string*) –
- **GroupIdValue** (*dict*) –
 - * **Value** (*string*) –
- **InstanceId** (*string*) –
- **InstanceInitiatedShutdownBehavior** (*dict*) –
 - * **Value** (*string*) –
- **InstanceType** (*dict*) –
 - * **Value** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpType** (*dict*) –
 - * **Value** (*string*) –
- **Kernel** (*dict*) –
 - * **Value** (*string*) –
- **Loadbalancing** (*list*) –
 - * (*dict*) –
 - **InstancePort** (*integer*) –
 - **LoadBalancerName** (*string*) –
 - **LoadBalancerPort** (*integer*) –
 - **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
 - * (*dict*) –
 - **Association** (*dict*) –
 - **AllocationId** (*string*) –
 - **AssociationId** (*string*) –
 - **IpOwnerId** (*string*) –
 - **PublicDnsName** (*string*) –
 - **PublicIp** (*string*) –
 - **PublicIPv6** (*string*) –
 - **Attachment** (*dict*) –
 - **AttachTime** (*datetime*) –
 - **AttachmentID** (*string*) –
 - **AttachmentId** (*string*) –
 - **DeleteOnTermination** (*boolean*) –
 - **DeviceIndex** (*integer*) –
 - **InstanceId** (*string*) –
 - **InstanceOwnerId** (*string*) –

- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*dict*) –
 - * **Value** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
 - * (*dict*) –
 - **ElasticLoadBalancerId** (*string*) –
 - **ElasticLoadBalancerName** (*string*) –

- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*dict*) –
 - * **Value** (*string*) –
- **Ramdisk** (*dict*) –
 - * **Value** (*string*) –
- **RequestId** (*string*) –
- **RootDeviceName** (*dict*) –
 - * **Value** (*string*) –
- **UserData** (*dict*) –
 - * **Value** (*string*) –

describe_instance_health (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_instance_health(  
    InstancePort=123,  
    Instances=[  
        {  
            'InstanceId': 'string',  
            'InstanceUniqueId': 'string'  
        },  
    ],  
    LoadBalancerName='string',  
    LoadBalancerPort=123  
)
```

Parameters

- **InstancePort** (*integer*) –
- **Instances** (*list*) –
 - (*dict*) –
 - * **InstanceId** (*string*) –
 - * **InstanceUniqueId** (*string*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

Return type dict

Returns

Response Syntax

```
{  
    'DescribeInstanceHealthResult': {'... recursive ...'},  
    'InstanceStates': [  
        {  
            'Description': 'string',  
            'InstanceId': 'string',  
            'InstanceUniqueId': 'string',  
            'ReasonCode': 'string',  
            'State': 'string'  
        },  
    ],  
    'ResponseMetadata': {  
        'RequestId': 'string'  
    }  
}
```

Response Structure

- *(dict)* –
 - **DescribeInstanceHealthResult** (*dict*) –
 - **InstanceStates** (*list*) –
 - * (*dict*) –
 - **Description** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **ReasonCode** (*string*) –
 - **State** (*string*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

describe_instances (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_instances(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ]
)
```

Parameters

- **InstanceId** (*list*) –
 - (*string*) –
- **Tenancy** (*list*) –
 - (*string*) –

Return type dict

Returns**Response Syntax**

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmCondition': 'string',
            'AlarmDateHistorySet': [
                {
                    'AlarmEventHistorySet': [
                        {
                            'AlarmEvent': 'string',
                            'AlarmEventDatetime': ↵
↵datetime(2015, 1, 1)
                        },
                    ],
                    'Date': 'string'
                },
            ],
            'AlarmRulesActivitiesSet': [
                {
                    'AlarmRulesActivitiesDateSet': [
```

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```

        {
            'AlarmRulesActivitiesEventSet': [
                {
                    'AlarmRulesActivitiesEvent
↪': 'string',
↪ 'AlarmRulesActivitiesEventDatetime': datetime(2015, 1, 1),
                    'ResourceName': 'string',
                    'Value': 'string'
                },
            ],
            'Date': 'string'
        },
    ],
    'DataType': 'string'
],
'AlarmState': 'string',
'AlarmTargetsSet': [
    {
        'ResourceName': 'string'
    },
],
'CreatedTime': datetime(2015, 1, 1),
'Description': 'string',
'EmailAddressSet': [
    {
        'EmailAddress': 'string'
    },
],
'FunctionName': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'DeleteOnTermination': ↪
↪ True|False,
                    'SnapshotId': 'string',
                    'Status': 'string',
                    'VolumeId': 'string',

```

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```

        'VolumeSize': 123
    },
    'NoDevice': 'string',
    'VirtualName': 'string'
},
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'AttachmentID': 'string',

```

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```

        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        }
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId':
                    'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
                    'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'RequesterId': 'string',

```

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```

        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},

```

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```

        },
        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'OwnerId': 'string',
'ReservationId': 'string',
'RuleName': 'string',
'RuleSet': [
    {
        'BreachDuration': 123,
        'DataType': 'string',
        'Threshold': 123.0,
        'UpperLowerCondition': 'string'
    },
],
'Zone': 'string'
}
]
}

```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **ReservationSet** (*list*) –
 - * *(dict)* –
 - **AlarmCondition** (*string*) –
 - **AlarmDateHistorySet** (*list*) –
 - *(dict)* –
 - **AlarmEventHistorySet** (*list*) –
 - *(dict)* –
 - **AlarmEvent** (*string*) –
 - **AlarmEventDatetime** (*datetime*) –
 - **Date** (*string*) –
 - **AlarmRulesActivitiesSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesDateSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesEventSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesEvent** (*string*) –
 - **AlarmRulesActivitiesEventDatetime** (*datetime*) –
 - **ResourceName** (*string*) –
 - **Value** (*string*) –
 - **Date** (*string*) –
 - **DataType** (*string*) –
 - **AlarmState** (*string*) –
 - **AlarmTargetsSet** (*list*) –
 - *(dict)* –
 - **ResourceName** (*string*) –
 - **CreatedTime** (*datetime*) –
 - **Description** (*string*) –
 - **EmailAddressSet** (*list*) –

- *(dict)* –
- **EmailAddress** (*string*) –
- **FunctionName** (*string*) –
- **GroupSet** (*list*) –
- *(dict)* –
- **GroupId** (*string*) –
- **InstancesSet** (*list*) –
- *(dict)* –
- **AccountingType** (*string*) –
- **Admin** (*string*) –
- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- *(dict)* –
- **DeviceName** (*string*) –
- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- *(dict)* –
- **InstancePort** (*integer*) –

- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –

- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –

- **OwnerId** (*string*) –
- **ReservationId** (*string*) –
- **RuleName** (*string*) –
- **RuleSet** (*list*) –
- (*dict*) –
- **BreachDuration** (*integer*) –
- **DataType** (*string*) –
- **Threshold** (*float*) –
- **UpperLowerCondition** (*string*) –
- **Zone** (*string*) –

describe_key_pairs (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_key_pairs(
    KeyName=[
        'string',
    ]
)
```

Parameters **KeyName** (*list*) –

- (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'KeySet': [
        {
            'Description': 'string',
            'InstancesSet': [
                {
                    'AccountingType': 'string',
                    'Admin': 'string',
                    'AmiLaunchIndex': 'string',
                    'Architecture': 'string',
                    'Autoscaling': {
                        'AutoScalingGroupName': 'string',
                        'ExpireTime': datetime(2015, 1, 1)
                    },
                    'BlockDeviceMapping': [
                        {
                            'DeviceName': 'string',
                            'Ebs': {
                                'AttachTime': datetime(2015, 1,
↪ 1),
                                'DeleteOnTermination': ↵
↪ True|False,
                                'SnapshotId': 'string',
                                'Status': 'string',
                                'VolumeId': 'string',
                                'VolumeSize': 123
                            },
                            'NoDevice': 'string',
                            'VirtualName': 'string'
```

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```

    },
    ],
    'CopyInfo': 'string',
    'CurrentState': {
        'Code': 123,
        'Name': 'string'
    },
    'Description': 'string',
    'DeviceIndex': 123,
    'DnsName': 'string',
    'ExpireTime': datetime(2015, 1, 1),
    'HotAdd': 'string',
    'ImageId': 'string',
    'ImageName': 'string',
    'InstanceId': 'string',
    'InstanceLifecycle': 'string',
    'InstanceState': {
        'Code': 123,
        'Name': 'string'
    },
    'InstanceType': 'string',
    'InstanceUniqueId': 'string',
    'IpAddress': 'string',
    'IpAddressV6': 'string',
    'IpType': 'string',
    'KernelId': 'string',
    'KeyName': 'string',
    'LaunchTime': datetime(2015, 1, 1),
    'Loadbalancing': [
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'State': 'string'
        }
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': ↵
↪ True|False,
                'DeviceIndex': 123,

```

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```

        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪ ',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string
↪ '
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',

```

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```

        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string

→ ',

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',
'VpcId': 'string'

```

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```

        },
    ],
    'KeyFingerprint': 'string',
    'KeyName': 'string'
},
],
'RequestId': 'string'
}

```

Response Structure

- (*dict*) –
 - **KeySet** (*list*) –
 - * (*dict*) –
 - **Description** (*string*) –
 - **InstancesSet** (*list*) –
 - (*dict*) –
 - **AccountingType** (*string*) –
 - **Admin** (*string*) –
 - **AmiLaunchIndex** (*string*) –
 - **Architecture** (*string*) –
 - **Autoscaling** (*dict*) –
 - **AutoScalingGroupName** (*string*) –
 - **ExpireTime** (*datetime*) –
 - **BlockDeviceMapping** (*list*) –
 - (*dict*) –
 - **DeviceName** (*string*) –
 - **Ebs** (*dict*) –
 - **AttachTime** (*datetime*) –
 - **DeleteOnTermination** (*boolean*) –
 - **SnapshotId** (*string*) –
 - **Status** (*string*) –
 - **VolumeId** (*string*) –
 - **VolumeSize** (*integer*) –
 - **NoDevice** (*string*) –
 - **VirtualName** (*string*) –
 - **CopyInfo** (*string*) –
 - **CurrentState** (*dict*) –
 - **Code** (*integer*) –
 - **Name** (*string*) –
 - **Description** (*string*) –
 - **DeviceIndex** (*integer*) –
 - **DnsName** (*string*) –
 - **ExpireTime** (*datetime*) –
 - **HotAdd** (*string*) –
 - **ImageId** (*string*) –
 - **ImageName** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceLifecycle** (*string*) –
 - **InstanceState** (*dict*) –
 - **Code** (*integer*) –
 - **Name** (*string*) –
 - **InstanceType** (*string*) –
 - **InstanceUniqueId** (*string*) –

- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –

- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –

- **RootDeviceName** (*string*) –
 - **RootDeviceType** (*string*) –
 - **SpotInstanceRequestId** (*string*) –
 - **StateReason** (*dict*) –
 - **Code** (*integer*) –
 - **Message** (*string*) –
 - **SubnetId** (*string*) –
 - **Tenancy** (*string*) –
 - **VpcId** (*string*) –
 - **KeyFingerprint** (*string*) –
 - **KeyName** (*string*) –
- **RequestId** (*string*) –

describe_load_balancers (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_load_balancers(
    LoadBalancerNames=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123
        },
    ]
)
```

Parameters **LoadBalancerNames** (*list*) –

- (*dict*) –
 - **InstancePort** (*integer*) –
 - **LoadBalancerName** (*string*) –
 - **LoadBalancerPort** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'DescribeLoadBalancersResult': {'... recursive ...'},
    'LoadBalancerDescriptions': [
        {
            'AccountingType': 'string',
            'AvailabilityZones': [
                'string',
            ],
            'CreatedTime': datetime(2015, 1, 1),
            'DNSName': 'string',
            'Description': 'string',
            'Filter': {
                'FilterType': 'string',
                'IPAddresses': [
                    {
                        'IPAddress': 'string'
                    },
                ]
            },
        },
    ],
}
```

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```

'HealthCheck': {
    'HealthyThreshold': 123,
    'InstanceStates': [
        {
            'Description': 'string',
            'InstanceId': 'string',
            'InstanceUniqueId': 'string',
            'ReasonCode': 'string',
            'State': 'string'
        },
    ],
    'Interval': 123,
    'Target': 'string',
    'Timeout': 123,
    'UnhealthyThreshold': 123
},
'Instances': [
    {
        'InstanceId': 'string',
        'InstanceUniqueId': 'string'
    },
],
'ListenerDescriptions': [
    {
        'Listener': {
            'BalancingType': 123,
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'HealthCheck': {
                'HealthyThreshold': 123,
                'InstanceStates': [
                    {
                        'Description': 'string',
                        'InstanceId': 'string',
                        'InstanceUniqueId': 'string
                        'ReasonCode': 'string',
                        'State': 'string'
                    },
                ],
                'Interval': 123,
                'Target': 'string',
                'Timeout': 123,
                'UnhealthyThreshold': 123
            },
            'InstancePort': 123,
            'Instances': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'LoadBalancerPort': 123,
            'Protocol': 'string',
            'SSLCertificateId': 'string',
            'SessionStickinessPolicy': {
                'Enabled': True|False,

```

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```

        'ExpirationPeriod': 123,
        'Method': 123
    },
    'SorryPage': {
        'Enabled': True|False,
        'RedirectUrl': 'string',
        'StatusCode': 123
    }
},
'PolicyNames': [
    'string',
]
},
],
'LoadBalancerName': 'string',
'NetworkVolume': 123,
'NextMonthAccountingType': 'string',
'Option': {
    'MobileFilter': {
        'Enabled': True|False
    },
    'NameServer': 'string',
    'SessionStickinessPolicy': {
        'Enabled': True|False,
        'ExpirationPeriod': 123,
        'Method': 123
    },
    'SorryPage': {
        'Enabled': True|False,
        'RedirectUrl': 'string',
        'StatusCode': 123
    }
},
'Policies': {
    'AppCookieStickinessPolicies': [
        {
            'CookieName': 'string',
            'PolicyName': 'string'
        },
    ],
    'LBCookieStickinessPolicies': [
        {
            'CookieExpirationPeriod': 'string',
            'PolicyName': 'string'
        },
    ],
}
},
],
'ResponseMetadata': {
    'RequestId': 'string'
}
}

```

Response Structure

- (dict) –
- DescribeLoadBalancersResult (dict) –

- **LoadBalancerDescriptions** (*list*) -
 - * (*dict*) -
 - **AccountingType** (*string*) -
 - **AvailabilityZones** (*list*) -
 - (*string*) -
 - **CreatedTime** (*datetime*) -
 - **DNSName** (*string*) -
 - **Description** (*string*) -
 - **Filter** (*dict*) -
 - **FilterType** (*string*) -
 - **IPAddresses** (*list*) -
 - (*dict*) -
 - **IPAddress** (*string*) -
 - **HealthCheck** (*dict*) -
 - **HealthyThreshold** (*integer*) -
 - **InstanceStates** (*list*) -
 - (*dict*) -
 - **Description** (*string*) -
 - **InstanceId** (*string*) -
 - **InstanceUniqueId** (*string*) -
 - **ReasonCode** (*string*) -
 - **State** (*string*) -
 - **Interval** (*integer*) -
 - **Target** (*string*) -
 - **Timeout** (*integer*) -
 - **UnhealthyThreshold** (*integer*) -
 - **Instances** (*list*) -
 - (*dict*) -
 - **InstanceId** (*string*) -
 - **InstanceUniqueId** (*string*) -
 - **ListenerDescriptions** (*list*) -
 - (*dict*) -
 - **Listener** (*dict*) -
 - **BalancingType** (*integer*) -
 - **Description** (*string*) -
 - **ElasticLoadBalancerPort** (*integer*) -
 - **HealthCheck** (*dict*) -
 - **HealthyThreshold** (*integer*) -
 - **InstanceStates** (*list*) -
 - (*dict*) -
 - **Description** (*string*) -
 - **InstanceId** (*string*) -
 - **InstanceUniqueId** (*string*) -
 - **ReasonCode** (*string*) -
 - **State** (*string*) -
 - **Interval** (*integer*) -
 - **Target** (*string*) -
 - **Timeout** (*integer*) -
 - **UnhealthyThreshold** (*integer*) -
 - **InstancePort** (*integer*) -
 - **Instances** (*list*) -
 - (*dict*) -
 - **InstanceId** (*string*) -
 - **InstanceUniqueId** (*string*) -

- **LoadBalancerPort** (*integer*) –
- **Protocol** (*string*) –
- **SSLCertificateId** (*string*) –
- **SessionStickinessPolicy** (*dict*) –
- **Enabled** (*boolean*) –
- **ExpirationPeriod** (*integer*) –
- **Method** (*integer*) –
- **SorryPage** (*dict*) –
- **Enabled** (*boolean*) –
- **RedirectUrl** (*string*) –
- **StatusCode** (*integer*) –
- **PolicyNames** (*list*) –
- (*string*) –
- **LoadBalancerName** (*string*) –
- **NetworkVolume** (*integer*) –
- **NextMonthAccountingType** (*string*) –
- **Option** (*dict*) –
- **MobileFilter** (*dict*) –
- **Enabled** (*boolean*) –
- **NameServer** (*string*) –
- **SessionStickinessPolicy** (*dict*) –
- **Enabled** (*boolean*) –
- **ExpirationPeriod** (*integer*) –
- **Method** (*integer*) –
- **SorryPage** (*dict*) –
- **Enabled** (*boolean*) –
- **RedirectUrl** (*string*) –
- **StatusCode** (*integer*) –
- **Policies** (*dict*) –
- **AppCookieStickinessPolicies** (*list*) –
- (*dict*) –
- **CookieName** (*string*) –
- **PolicyName** (*string*) –
- **LBCookieStickinessPolicies** (*list*) –
- (*dict*) –
- **CookieExpirationPeriod** (*string*) –
- **PolicyName** (*string*) –
- **ResponseMetadata** (*dict*) –
- * **RequestId** (*string*) –

describe_network_interfaces (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_network_interfaces(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    NetworkInterfaceId=[
```

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```

        'string',
    ]
)

```

Parameters

- **Filter** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –
- **NetworkInterfaceId** (*list*) –
 - (*string*) –

Return type dict**Returns****Response Syntax**

```

{
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Description': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                }
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [
                {
                    'Ipv6Address': 'string'
                }
            ],

```

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```

    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'
},
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **NetworkInterfaceSet** (list) –
 - * (dict) –
 - **Association** (dict) –
 - **AllocationId** (string) –
 - **AssociationId** (string) –
 - **IpOwnerId** (string) –
 - **PublicDnsName** (string) –
 - **PublicIp** (string) –
 - **PublicIpV6** (string) –
 - **Attachment** (dict) –
 - **AttachTime** (datetime) –

- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –

– **RequestId** (*string*) –

describe_regions (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_regions(
    RegionName=[
        'string',
    ]
)
```

Parameters **RegionName** (*list*) –

- (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RegionInfo': [
        {
            'IsDefault': True|False,
            'MessageSet': [
                {
                    'Message': 'string'
                },
            ],
            'RegionEndpoint': 'string',
            'RegionName': 'string'
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **RegionInfo** (*list*) –
 - * (*dict*) –
 - **IsDefault** (*boolean*) –
 - **MessageSet** (*list*) –
 - (*dict*) –
 - **Message** (*string*) –
 - **RegionEndpoint** (*string*) –
 - **RegionName** (*string*) –
 - **RequestId** (*string*) –

describe_resources ()

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_resources()
```

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'ResourceInfo': {
    'AddDiskCount': 123,
    'AddDiskTotalSize': 123,
    'AutoScaleCount': 123,
    'CustomizeImageCount': 123,
    'DynamicIpCount': 123,
    'ElasticIpItemSet': [
      {
        'Count': 123,
        'Type': 'string'
      },
    ],
    'ElasticLoadBalancerCount': 123,
    'InstanceItemSet': [
      {
        'Count': 123,
        'Type': 'string'
      },
    ],
    'LoadBalancerCount': 123,
    'MonitoringRuleCount': 123,
    'NetworkFlowAmount': 123,
    'PremiumSupportSet': [
      {
        'Charge': 123,
        'SupportName': 'string',
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ],
    'PrivateLanClassicCount': 123,
    'PrivateLanCount': 123,
    'RouterItemSet': [
      {
        'Count': 123,
        'Type': 'string'
      },
    ],
    'SecurityGroupCount': 123,
    'SslCertCount': 123,
    'VpnGatewayItemSet': [
      {
        'Count': 123,
        'Type': 'string'
      },
    ],
  ]
}
```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **ResourceInfo** (dict) –
 - * **AddDiskCount** (integer) –
 - * **AddDiskTotalSize** (integer) –

- * **AutoScaleCount** (*integer*) –
- * **CustomizeImageCount** (*integer*) –
- * **DynamicIpCount** (*integer*) –
- * **ElasticIpItemSet** (*list*) –
 - (*dict*) –
 - **Count** (*integer*) –
 - **Type** (*string*) –
- * **ElasticLoadBalancerCount** (*integer*) –
- * **InstanceItemSet** (*list*) –
 - (*dict*) –
 - **Count** (*integer*) –
 - **Type** (*string*) –
- * **LoadBalancerCount** (*integer*) –
- * **MonitoringRuleCount** (*integer*) –
- * **NetworkFlowAmount** (*integer*) –
- * **PremiumSupportSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
 - **SupportName** (*string*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
- * **PrivateLanClassicCount** (*integer*) –
- * **PrivateLanCount** (*integer*) –
- * **RouterItemSet** (*list*) –
 - (*dict*) –
 - **Count** (*integer*) –
 - **Type** (*string*) –
- * **SecurityGroupCount** (*integer*) –
- * **SslCertCount** (*integer*) –
- * **VpnGatewayItemSet** (*list*) –
 - (*dict*) –
 - **Count** (*integer*) –
 - **Type** (*string*) –

describe_route_tables (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_route_tables(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    RouteTableId=[
        'string',
    ]
)
```

Parameters

- **Filter** (*list*) –

- (dict)-
 - * **Name** (string)-
 - * **RequestValue** (list)-
 - (string)-
- **RouteTableId** (list)-
 - (string)-

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'RouteTableSet': [
    {
      'AssociationSet': [
        {
          'AssociationId': 'string',
          'Main': True|False,
          'NatTableId': 'string',
          'RouteTableAssociationId': 'string',
          'RouteTableId': 'string',
          'RouterId': 'string',
          'RouterName': 'string',
          'SubnetId': 'string'
        },
      ],
      'PropagatingVgwSet': [
        {
          'GatewayId': 'string',
          'NiftyGatewayName': 'string',
          'RouteTableAssociationId': 'string'
        },
      ],
      'RouteSet': [
        {
          'DestinationCidrBlock': 'string',
          'GatewayId': 'string',
          'InstanceId': 'string',
          'InstanceOwnerId': 'string',
          'IpAddress': 'string',
          'NetworkId': 'string',
          'NetworkInterfaceId': 'string',
          'NetworkName': 'string',
          'State': 'string'
        },
      ],
      'RouteTableId': 'string',
      'TagSet': [
        {
          'Key': 'string',
          'Value': 'string'
        },
      ],
      'VpcId': 'string'
    },
  ]
}
```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **RouteTableSet** (*list*) –
 - * *(dict)* –
 - **AssociationSet** (*list*) –
 - *(dict)* –
 - **AssociationId** (*string*) –
 - **Main** (*boolean*) –
 - **NatTableId** (*string*) –
 - **RouteTableAssociationId** (*string*) –
 - **RouteTableId** (*string*) –
 - **RouterId** (*string*) –
 - **RouterName** (*string*) –
 - **SubnetId** (*string*) –
 - **PropagatingVgwSet** (*list*) –
 - *(dict)* –
 - **GatewayId** (*string*) –
 - **NiftyGatewayName** (*string*) –
 - **RouteTableAssociationId** (*string*) –
 - **RouteSet** (*list*) –
 - *(dict)* –
 - **DestinationCidrBlock** (*string*) –
 - **GatewayId** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceOwnerId** (*string*) –
 - **IpAddress** (*string*) –
 - **NetworkId** (*string*) –
 - **NetworkInterfaceId** (*string*) –
 - **NetworkName** (*string*) –
 - **State** (*string*) –
 - **RouteTableId** (*string*) –
 - **TagSet** (*list*) –
 - *(dict)* –
 - **Key** (*string*) –
 - **Value** (*string*) –
 - **VpcId** (*string*) –

describe_security_activities (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_security_activities(
    ActivityDate='string',
    GroupName='string',
    Range={
        'All': True|False,
        'EndNumber': 123,
        'StartNumber': 123
    }
)
```

Parameters

- **ActivityDate** (*string*) –
- **GroupName** (*string*) –

- **Range** (*dict*) –
 - **All** (*boolean*) –
 - **EndNumber** (*integer*) –
 - **StartNumber** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'GroupName': 'string',
    'Log': 'string',
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **GroupName** (*string*) –
 - **Log** (*string*) –
 - **RequestId** (*string*) –

describe_security_group_option ()

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_security_group_option()
```

Return type dict

Returns

Response Syntax

```
{
    'Course': 'string',
    'RequestId': 'string',
    'SecurityGroupLimit': 123
}
```

Response Structure

- (*dict*) –
 - **Course** (*string*) –
 - **RequestId** (*string*) –
 - **SecurityGroupLimit** (*integer*) –

describe_security_groups (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_security_groups(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
```

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```

GroupName=[
    'string',
]
)

```

Parameters

- **Filter** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –
- **GroupName** (*list*) –
 - (*string*) –

Return type dict**Returns****Response Syntax**

```

{
  'RequestId': 'string',
  'SecurityGroupInfo': [
    {
      'AvailabilityZone': 'string',
      'Description': 'string',
      'GroupDescription': 'string',
      'GroupLogFilterBroadcast': True|False,
      'GroupLogFilterNetBios': True|False,
      'GroupLogLimit': 123,
      'GroupName': 'string',
      'GroupRuleLimit': 123,
      'GroupStatus': 'string',
      'InstanceUniqueIdsSet': [
        {
          'InstanceUniqueId': 'string'
        },
      ],
      'InstancesNetworkInterfaceSet': [
        {
          'DeviceIndex': 123,
          'InstanceId': 'string',
          'InstanceUniqueId': 'string',
          'IpAddress': 'string',
          'NetworkId': 'string'
        },
      ],
      'InstancesSet': [
        {
          'AccountingType': 'string',
          'Admin': 'string',
          'AmiLaunchIndex': 'string',
          'Architecture': 'string',
          'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
          },
          'BlockDeviceMapping': [

```

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```

        {
            'DeviceName': 'string',
            'Ebs': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'DeleteOnTermination': ↪
↪ True|False,
                'SnapshotId': 'string',
                'Status': 'string',
                'VolumeId': 'string',
                'VolumeSize': 123
            },
            'NoDevice': 'string',
            'VirtualName': 'string'
        },
    ],
    'CopyInfo': 'string',
    'CurrentState': {
        'Code': 123,
        'Name': 'string'
    },
    'Description': 'string',
    'DeviceIndex': 123,
    'DnsName': 'string',
    'ExpireTime': datetime(2015, 1, 1),
    'HotAdd': 'string',
    'ImageId': 'string',
    'ImageName': 'string',
    'InstanceId': 'string',
    'InstanceLifecycle': 'string',
    'InstanceState': {
        'Code': 123,
        'Name': 'string'
    },
    'InstanceType': 'string',
    'InstanceUniqueId': 'string',
    'IpAddress': 'string',
    'IpAddressV6': 'string',
    'IpType': 'string',
    'KernelId': 'string',
    'KeyName': 'string',
    'LaunchTime': datetime(2015, 1, 1),
    'Loadbalancing': [
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'State': 'string'
        },
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',

```

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```

        'AssociationId': 'string',
        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1,
↪ 1),

        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': ↪
↪ True|False,

        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪ ',

                'AssociationId':
↪ 'string',

                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',

```

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```

        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Primary': True|False,
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string'
},
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    }
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    }
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    }
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    }
],

```

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```

    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'IpPermissions': [
    {
        'AddDatetime': datetime(2015, 1, 1),
        'Description': 'string',
        'FromPort': 123,
        'Groups': [
            {
                'GroupName': 'string',
                'UserId': 'string'
            },
        ],
        'InOut': 'string',
        'IpProtocol': 'string',
        'IpRanges': [
            {
                'CidrIp': 'string'
            },
        ],
        'ToPort': 123
    },
],
'OwnerId': 'string',
'RouterNetworkInterfaceSet': [
    {
        'DeviceIndex': 123,
        'IpAddress': 'string',
        'NetworkId': 'string',
        'RouterId': 'string',
        'RouterName': 'string'
    },
],
'RouterSet': [
    {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'CreatedTime': datetime(2015, 1, 1),
        'Description': 'string',
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ]
    }
]

```

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```

    },
    ],
    'IpAddress': 'string',
    'NatTableAssociationId': 'string',
    'NatTableId': 'string',
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': ↪
↪ True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Descriprion': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [
                {
                    'Ipv6Address': 'string'
                },
            ],
            'MacAddress': 'string',
            'NetworkId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkName': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'PrivateIpAddressesSet': [

```

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```

        {
            'Association': {
                'AllocationId': 'string'
↪ ',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
↪ '
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string'
},
],
'VpnGatewayNetworkInterfaceSet': [
    {
        'DeviceIndex': 123,
        'IpAddress': 'string',
        'NetworkId': 'string',
        'NiftyVpnGatewayName': 'string',
        'VpnGatewayId': 'string'
    },
],
'VpnGatewaySet': [

```

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```

{
    'AccountingType': 'string',
    'Attachments': [
        {
            'State': 'string',
            'VpcId': 'string'
        },
    ],
    'AvailabilityZone': 'string',
    'BackupInformation': {
        'ExpirationDate': datetime(2015, 1, 1),
        'IsBackup': True|False
    },
    'CreatedTime': datetime(2015, 1, 1),
    'DeviceIndex': 123,
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'IpAddress': 'string',
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Description': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',

```

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```

        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId':
                    'IpOwnerId': 'string',
                    'PublicDnsName':
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'State': 'string',
'TagSet': [
    {

```

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```

        'Key': 'string',
        'Value': 'string'
    },
    ],
    'Type': 'string',
    'VersionInformation': {
        'IsLatest': True|False,
        'Version': 'string'
    },
    'VpnGatewayId': 'string'
},
]
},
]
}

```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **SecurityGroupInfo** (list) –
 - * (dict) –
 - **AvailabilityZone** (string) –
 - **Description** (string) –
 - **GroupDescription** (string) –
 - **GroupLogFilterBroadcast** (boolean) –
 - **GroupLogFilterNetBios** (boolean) –
 - **GroupLogLimit** (integer) –
 - **GroupName** (string) –
 - **GroupRuleLimit** (integer) –
 - **GroupStatus** (string) –
 - **InstanceUniqueIdsSet** (list) –
 - (dict) –
 - **InstanceUniqueId** (string) –
 - **InstancesNetworkInterfaceSet** (list) –
 - (dict) –
 - **DeviceIndex** (integer) –
 - **InstanceId** (string) –
 - **InstanceUniqueId** (string) –
 - **IpAddress** (string) –
 - **NetworkId** (string) –
 - **InstancesSet** (list) –
 - (dict) –
 - **AccountingType** (string) –
 - **Admin** (string) –
 - **AmiLaunchIndex** (string) –
 - **Architecture** (string) –
 - **Autoscaling** (dict) –
 - **AutoScalingGroupName** (string) –
 - **ExpireTime** (datetime) –
 - **BlockDeviceMapping** (list) –
 - (dict) –
 - **DeviceName** (string) –
 - **Ebs** (dict) –
 - **AttachTime** (datetime) –

- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –

- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –

- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **IpPermissions** (*list*) –
- (*dict*) –
- **AddDatetime** (*datetime*) –
- **Description** (*string*) –
- **FromPort** (*integer*) –
- **Groups** (*list*) –
- (*dict*) –
- **GroupName** (*string*) –
- **UserId** (*string*) –
- **InOut** (*string*) –
- **IpProtocol** (*string*) –
- **IpRanges** (*list*) –
- (*dict*) –
- **CidrIp** (*string*) –
- **ToPort** (*integer*) –
- **OwnerId** (*string*) –
- **RouterNetworkInterfaceSet** (*list*) –
- (*dict*) –
- **DeviceIndex** (*integer*) –
- **IpAddress** (*string*) –

- **NetworkId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **RouterSet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NatTableAssociationId** (*string*) –
- **NatTableId** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –

- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VpnGatewayNetworkInterfaceSet** (*list*) –
- (*dict*) –
- **DeviceIndex** (*integer*) –
- **IpAddress** (*string*) –
- **NetworkId** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –
- **VpnGatewaySet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **Attachments** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **VpcId** (*string*) –
- **AvailabilityZone** (*string*) –
- **BackupInformation** (*dict*) –

- **ExpirationDate** (*datetime*) –
- **IsBackup** (*boolean*) –
- **CreatedTime** (*datetime*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –

- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –

`describe_service_status` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_service_status(
    FromDate='string',
    ToDate='string'
)
```

Parameters

- **FromDate** (*string*) –
- **ToDate** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
```

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```

'ServiceStatusSet': [
  {
    'ControlPanelStatus': 'string',
    'Date': 'string',
    'DiskStatus': 'string',
    'InstanceStatus': 'string',
    'NetworkStatus': 'string',
    'StorageStatus': 'string'
  },
]
}

```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **ServiceStatusSet** (*list*) –
 - * *(dict)* –
 - **ControlPanelStatus** (*string*) –
 - **Date** (*string*) –
 - **DiskStatus** (*string*) –
 - **InstanceStatus** (*string*) –
 - **NetworkStatus** (*string*) –
 - **StorageStatus** (*string*) –

describe_ssl_certificate_attribute (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.describe_ssl_certificate_attribute(
    Attribute='string',
    FqdnId='string'
)

```

Parameters

- **Attribute** (*string*) –
- **FqdnId** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
  'CaState': {
    'Value': 'string'
  },
  'CertAuthority': {
    'Value': 'string'
  },
  'CertInfo': {
    'CountryName': 'string',
    'EmailAddress': 'string',
    'LocationName': 'string',
    'OrganizationName': 'string',
    'OrganizationUnitName': 'string',
    'StateName': 'string'
  }
}

```

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```

    },
    'CertState': {
        'Value': 'string'
    },
    },
    'Count': {
        'Value': 'string'
    },
    },
    'DescriptionValue': {
        'Value': 'string'
    },
    },
    'Fqdn': 'string',
    'FqdnId': 'string',
    'KeyLength': {
        'Value': 'string'
    },
    },
    'Period': {
        'EndDate': datetime(2015, 1, 1),
        'StartDate': datetime(2015, 1, 1),
        'ValidityTerm': 123
    },
    },
    'RequestId': 'string',
    'UploadState': {
        'Value': 'string'
    }
}

```

Response Structure

- *(dict)* –
 - **CaState** (*dict*) –
 - * **Value** (*string*) –
 - **CertAuthority** (*dict*) –
 - * **Value** (*string*) –
 - **CertInfo** (*dict*) –
 - * **CountryName** (*string*) –
 - * **EmailAddress** (*string*) –
 - * **LocationName** (*string*) –
 - * **OrganizationName** (*string*) –
 - * **OrganizationUnitName** (*string*) –
 - * **StateName** (*string*) –
 - **CertState** (*dict*) –
 - * **Value** (*string*) –
 - **Count** (*dict*) –
 - * **Value** (*string*) –
 - **DescriptionValue** (*dict*) –
 - * **Value** (*string*) –
 - **Fqdn** (*string*) –
 - **FqdnId** (*string*) –
 - **KeyLength** (*dict*) –
 - * **Value** (*string*) –
 - **Period** (*dict*) –
 - * **EndDate** (*datetime*) –
 - * **StartDate** (*datetime*) –
 - * **ValidityTerm** (*integer*) –
 - **RequestId** (*string*) –
 - **UploadState** (*dict*) –

* **Value** (*string*) –

describe_ssl_certificates (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_ssl_certificates(
    Fqdn=[
        'string',
    ],
    FqdnId=[
        'string',
    ]
)
```

Parameters

- **Fqdn** (*list*) –
– (*string*) –
- **FqdnId** (*list*) –
– (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'CertsSet': [
        {
            'CaState': True|False,
            'CertAuthority': 'string',
            'CertInfo': {
                'CountryName': 'string',
                'EmailAddress': 'string',
                'LocationName': 'string',
                'OrganizationName': 'string',
                'OrganizationUnitName': 'string',
                'StateName': 'string'
            },
            'CertState': 'string',
            'Count': 123,
            'Description': 'string',
            'Fqdn': 'string',
            'FqdnId': 'string',
            'KeyLength': 123,
            'Period': {
                'EndDate': datetime(2015, 1, 1),
                'StartDate': datetime(2015, 1, 1),
                'ValidityTerm': 123
            },
            'UploadState': True|False
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
– **CertsSet** (*list*) –

- * (*dict*) –
 - **CaState** (*boolean*) –
 - **CertAuthority** (*string*) –
 - **CertInfo** (*dict*) –
 - **CountryName** (*string*) –
 - **EmailAddress** (*string*) –
 - **LocationName** (*string*) –
 - **OrganizationName** (*string*) –
 - **OrganizationUnitName** (*string*) –
 - **StateName** (*string*) –
 - **CertState** (*string*) –
 - **Count** (*integer*) –
 - **Description** (*string*) –
 - **Fqdn** (*string*) –
 - **FqdnId** (*string*) –
 - **KeyLength** (*integer*) –
 - **Period** (*dict*) –
 - **EndDate** (*datetime*) –
 - **StartDate** (*datetime*) –
 - **ValidityTerm** (*integer*) –
 - **UploadState** (*boolean*) –
- **RequestId** (*string*) –

describe_uploads (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_uploads(
    ConversionTaskId=[
        'string',
    ]
)
```

Parameters **ConversionTaskId** (*list*) –

- (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'Uploads': [
        {
            'ConversionTaskId': 123,
            'ExpirationTime': 'string',
            'ImportInstance': {
                'AvailabilityZone': 'string',
                'Description': 'string',
                'Image': {
                    'Checksum': 123,
                    'Format': 'string',
                    'ImportManifestUrl': 'string',
                    'Size': 123
                },
                'InstanceId': 'string',
                'InstanceUniqueId': 'string',
```

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```

        'Platform': 'string',
        'Volumes': [
            {
                'AvailabilityZone': 'string',
                'BytesConverted': 123,
                'Description': 'string',
                'Image': {
                    'Checksum': 123,
                    'Format': 'string',
                    'ImportManifestUrl': 'string',
                    'Size': 123
                },
                'Status': 'string',
                'StatusMessage': 'string',
                'Volume': {
                    'Id': 'string',
                    'Size': 123
                }
            },
        ],
    },
]
}

```

Response Structure

- (dict) –
 - Uploads (list) –
 - * (dict) –
 - ConversionTaskId (integer) –
 - ExpirationTime (string) –
 - ImportInstance (dict) –
 - AvailabilityZone (string) –
 - Description (string) –
 - Image (dict) –
 - Checksum (integer) –
 - Format (string) –
 - ImportManifestUrl (string) –
 - Size (integer) –
 - InstanceId (string) –
 - InstanceUniqueId (string) –
 - Platform (string) –
 - Volumes (list) –
 - (dict) –
 - AvailabilityZone (string) –
 - BytesConverted (integer) –
 - Description (string) –
 - Image (dict) –
 - Checksum (integer) –
 - Format (string) –
 - ImportManifestUrl (string) –
 - Size (integer) –
 - Status (string) –
 - StatusMessage (string) –
 - Volume (dict) –

- **Id** (*string*) –
- **Size** (*integer*) –

describe_usage (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_usage(
    IsCharge=True|False,
    Region='string',
    YearMonth='string'
)
```

Parameters

- **IsCharge** (*boolean*) –
- **Region** (*string*) –
- **YearMonth** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'AutoScaleInfo': {
    'AutoScaleCount': {
      'Charge': 123,
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
    'RunningScaleOutInstanceSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ],
    'RunningScaleOutOsSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ],
    'StoppedScaleOutInstanceSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ],
    'StoppedScaleOutOsSet': [
      {
        'Charge': 123,
```

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```
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
]
},
'ChargeDetailInfo': {
    'ChargeDetail': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'CopyInfo': {
    'InstanceCopy': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'Value': 'string'
},
'ElasticIpInfo': {
    'ElasticIpSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'ElasticLoadBalancerInfo': {
    'Vip': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'VipMeasuredRate': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
},
'ExtraChargeInfo': {
    'ExtraChargeMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
```

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```

        'Value': 123
    },
]
},
'ImageInfo': {
    'CreateImage': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'KeepImageSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'InstanceInfo': {
    'DynamicIpMeasuredRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'DynamicIpMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'InstanceMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'MultiIpMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'OsMeasuredRate': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'OsMonthlyRate': [
        {

```

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```
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
],
'RunningInstanceMeasuredRateSet': [
    {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
],
'StoppedInstanceMeasuredRateSet': [
    {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
]
},
'InternetVpnInfo': {
    'InternetVpnInitial': {
        'Charge': 123,
        'Value': 123
    },
    'InternetVpnMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'LicenseInfo': {
    'LicenseMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'LoadBalancerInfo': {
    'OptionSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'VipMeasuredRateSet': [
```

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```
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'VipSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'MailSendInfo': {
    'MailSendInitial': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'MailSendMeasuredRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'MailSendMonthlyExceedRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'MailSendMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'OptionSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'MultiAccountInfo': {
    'MultiAccount': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
}
```

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```
},
'NetworkInfo': {
  'NetworkFlowSet': [
    {
      'Charge': 123,
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
  ]
},
'OptionCommonInfo': [
  {
    'OptionName': 'string',
    'OptionSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ]
  },
],
'OptionInfo': [
  {
    'OptionName': 'string',
    'OptionSet': [
      {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
      },
    ]
  },
],
'OsOptionChargeInfo': {
  'OsOptionChargeMonthlyRateSet': [
    {
      'Charge': 123,
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
  ]
},
'PatternAuthInfo': {
  'PatternAuthSet': [
    {
      'Charge': 123,
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
  ]
},
},
```

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```

'PremiumSupportInfo': {
  'PremiumSupportSet': [
    {
      'Charge': 123,
      'SupportName': 'string',
      'Type': 'string',
      'Unit': 'string',
      'Value': 123
    },
  ]
},
'PrivateLanInfo': {
  'PrivateLan': {
    'AccountingType': 'string',
    'AvailabilityZone': 'string',
    'Charge': 123,
    'CidrBlock': 'string',
    'CreatedTime': datetime(2015, 1, 1),
    'Description': 'string',
    'InstancesSet': [
      {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
          'AutoScalingGroupName': 'string',
          'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
          {
            'DeviceName': 'string',
            'Ebs': {
              'AttachTime': datetime(2015, 1,
↵ 1),
              'DeleteOnTermination': ↵
↵ True|False,
              'SnapshotId': 'string',
              'Status': 'string',
              'VolumeId': 'string',
              'VolumeSize': 123
            },
            'NoDevice': 'string',
            'VirtualName': 'string'
          },
        ],
        'CopyInfo': 'string',
        'CurrentState': {
          'Code': 123,
          'Name': 'string'
        },
        'Description': 'string',
        'DeviceIndex': 123,
        'DnsName': 'string',
        'ExpireTime': datetime(2015, 1, 1),
        'HotAdd': 'string',
        'ImageId': 'string',

```

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```

'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),

            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↪

↪ True|False,

            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {

```

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```

        'GroupId': 'string'
    },
],
'InterfaceType': 'string',
'IpAddress': 'string',
'Ipv6AddressesSet': [
    {
        'Ipv6Address': 'string'
    }
],
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
    {
        'Association': {
            'AllocationId': 'string
↳ ',
            'AssociationId':
↳ 'string',
            'IpOwnerId': 'string',
            'PublicDnsName':
↳ 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string
↳ '
    }
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    }
],
'VpcId': 'string'
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',

```

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```

        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',
'VpcId': 'string'
},
],
'PrivateLanId': 'string',
'PrivateLanName': 'string',
'RouterSet': [
    {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'CreatedTime': datetime(2015, 1, 1),
        'Description': 'string',
        'DeviceIndex': 123,
        'GroupSet': [
            {

```

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```

        'GroupId': 'string'
    },
],
'IpAddress': 'string',
'NatTableAssociationId': 'string',
'NatTableId': 'string',
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),

            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↵

            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Descriprion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',

```

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```

        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string'
                    ↪ ',
                    ↪ 'string',
                    ↪ 'string',
                    'AssociationId':
                    'IpOwnerId': 'string',
                    'PublicDnsName':
                    'PublicIp': 'string',
                    'PublicIPv6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            ↪ '
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string'
},
],
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'Unit': 'string',

```

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```

'Value': 123,
'VpnGatewaySet': [
    {
        'AccountingType': 'string',
        'Attachments': [
            {
                'State': 'string',
                'VpcId': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'BackupInformation': {
            'ExpirationDate': datetime(2015, 1, 1),
            'IsBackup': True|False
        },
        'CreatedTime': datetime(2015, 1, 1),
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'NetworkInterfaceSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'AttachmentID': 'string',
                    'AttachmentId': 'string',
                    'DeleteOnTermination': ↪
↪ True|False,
                    'DeviceIndex': 123,
                    'InstanceId': 'string',
                    'InstanceOwnerId': 'string',
                    'Status': 'string'
                },
                'AvailabilityZone': 'string',
                'CidrBlock': 'string',
                'Descriprion': 'string',
                'Description': 'string',
                'DeviceIndex': 123,
                'Dhcp': True|False,
                'DhcpOptionsId': 'string',
                'GroupSet': [
                    {
                        'GroupId': 'string'
                    },
                ],
            },
        ],
    },
]

```

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```

        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string
↪',
                    'AssociationId':
↪ 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName':
↪ 'string',
                    'PublicIp': 'string',
                    'PublicIPv6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string
↪',
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    ],
    'NiftyRedundancy': True|False,
    'NiftyVpnGatewayDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'NiftyVpnGatewayType': 'string',
    'RouteTableAssociationId': 'string',
    'RouteTableId': 'string',
    'State': 'string',

```

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```

        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string',
        'VersionInformation': {
            'IsLatest': True|False,
            'Version': 'string'
        },
        'VpnGatewayId': 'string'
    },
]
}
},
'PrivateNetworkInfo': {
    'PrivateNetworkMeasuredRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'PrivateNetworkMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'RequestId': 'string',
'RouterInfo': {
    'RouterMeasuredRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'RouterMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
},
'SecureNetInfo': {
    'SecureNetMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'VpnConnectMeasuredRateSet': [

```

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```
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
},
'SecurityGroupInfo': {
    'OptionSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
    'SecurityGroupApplyTime': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'SnapshotInfo': {
    'Snapshot': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'SslCertInfo': {
    'CreateSslCertSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
},
'StorageInfo': {
    'StorageMeasuredRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'StorageMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'VolumeInfo': {
```

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```

'ImportInstanceDiskMeasuredRate': {
    'Charge': 123,
    'Type': 'string',
    'Unit': 'string',
    'Value': 123
},
'ImportInstanceDiskMonthlyRate': {
    'Charge': 123,
    'Type': 'string',
    'Unit': 'string',
    'Value': 123
},
'VolumeMeasuredRateSet': [
    {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
],
'VolumeSet': [
    {
        'AccountingType': 'string',
        'AttachmentSet': [
            {
                'AttachTime': datetime(2015, 1, 1),
                'DeleteOnTermination': True|False,
                'Device': 'string',
                'InstanceId': 'string',
                'InstanceUniqueId': 'string',
                'Status': 'string',
                'VolumeId': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'Charge': 123,
        'CreateTime': datetime(2015, 1, 1),
        'DiskType': 'string',
        'NextMonthAccountingType': 'string',
        'Size': 'string',
        'SnapshotId': 'string',
        'Status': 'string',
        'Type': 'string',
        'Unit': 'string',
        'Value': 123,
        'VolumeId': 'string'
    },
]
},
'VpnGatewayInfo': {
    'VpnGatewayMeasuredRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ],
}

```

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```

    ],
    'VpnGatewayMonthlyRateSet': [
        {
            'Charge': 123,
            'Type': 'string',
            'Unit': 'string',
            'Value': 123
        },
    ]
},
'YearMonth': 'string'
}

```

Response Structure

- *(dict)* –
 - **AutoScaleInfo** (*dict*) –
 - * **AutoScaleCount** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **RunningScaleOutInstanceSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **RunningScaleOutOsSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **StoppedScaleOutInstanceSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
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 - **Unit** (*string*) –
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 - **Charge** (*integer*) –
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 - **Charge** (*integer*) –
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 - **Unit** (*string*) –
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 - **Value** (*integer*) –
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 - **Value** (*integer*) –
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 - **Unit** (*string*) –
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 - * **NetworkFlowSet** (*list*) –
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- **Value** (*integer*) –
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 - **Unit** (*string*) –
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 - (*dict*) –
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 - **SupportName** (*string*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
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 - * **PrivateLan** (*dict*) –
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 - **AvailabilityZone** (*string*) –
 - **Charge** (*integer*) –
 - **CidrBlock** (*string*) –
 - **CreatedTime** (*datetime*) –
 - **Description** (*string*) –
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 - **AccountingType** (*string*) –

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- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- (*dict*) –
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- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
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- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
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- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
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- **ExpireTime** (*datetime*) –
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- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
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- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
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- **KeyName** (*string*) –
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- (*dict*) –
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- **LoadBalancerPort** (*integer*) –
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- **State** (*string*) –
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- **Association** (*dict*) –
- **AllocationId** (*string*) –

- **AssociationId** (*string*) –
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- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
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- **AttachmentId** (*string*) –
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- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
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- **Description** (*string*) –
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- (*dict*) –
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- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
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- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
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- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
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- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
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- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
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- **PrivateIpAddress** (*string*) –
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- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –

- **Status** (*string*) –
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- **TagSet** (*list*) –
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- **Value** (*string*) –
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- **ElasticLoadBalancerPort** (*integer*) –
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- **Platform** (*string*) –
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- **RootDeviceType** (*string*) –
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- **PublicIp** (*string*) –
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- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
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- **PrivateIpAddressesSet** (*list*) –
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- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
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- **Value** (*string*) –
- **Type** (*string*) –
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- **Value** (*string*) –
- **Type** (*string*) –
- **Unit** (*string*) –
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- **AvailabilityZone** (*string*) –
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- **NetworkInterfaceSet** (*list*) –

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- **AssociationId** (*string*) –
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- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
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- **AttachmentID** (*string*) –
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- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
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- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
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- **DhcpOptionsId** (*string*) –
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- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
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- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
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- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- *(dict)* –
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- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –

- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
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- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
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- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
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- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –
- **PrivateNetworkInfo** (*dict*) –
 - * **PrivateNetworkMeasuredRate** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **PrivateNetworkMonthlyRate** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
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- **RouterInfo** (*dict*) –
 - * **RouterMeasuredRateSet** (*list*) –
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 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **RouterMonthlyRateSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
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 - **Unit** (*string*) –
 - **Value** (*integer*) –
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 - * **SecureNetMonthlyRate** (*dict*) –
 - **Charge** (*integer*) –

- **Type** (*string*) –
- **Unit** (*string*) –
- **Value** (*integer*) –
- * **VpnConnectMeasuredRateSet** (*list*) –
 - (*dict*) –
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 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
- **SecurityGroupInfo** (*dict*) –
 - * **OptionSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **SecurityGroupApplyTime** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
- **SnapshotInfo** (*dict*) –
 - * **Snapshot** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
- **SslCertInfo** (*dict*) –
 - * **CreateSslCertSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
- **StorageInfo** (*dict*) –
 - * **StorageMeasuredRate** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **StorageMonthlyRate** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
- **VolumeInfo** (*dict*) –
 - * **ImportInstanceDiskMeasuredRate** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **ImportInstanceDiskMonthlyRate** (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –

- **Unit** (*string*) –
- **Value** (*integer*) –
- * **VolumeMeasuredRateSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
- * **VolumeSet** (*list*) –
 - (*dict*) –
 - **AccountingType** (*string*) –
 - **AttachmentSet** (*list*) –
 - (*dict*) –
 - **AttachTime** (*datetime*) –
 - **DeleteOnTermination** (*boolean*) –
 - **Device** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **Status** (*string*) –
 - **VolumeId** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **Charge** (*integer*) –
 - **CreateTime** (*datetime*) –
 - **DiskType** (*string*) –
 - **NextMonthAccountingType** (*string*) –
 - **Size** (*string*) –
 - **SnapshotId** (*string*) –
 - **Status** (*string*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - **VolumeId** (*string*) –
- **VpnGatewayInfo** (*dict*) –
 - * **VpnGatewayMeasuredRateSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
 - * **VpnGatewayMonthlyRateSet** (*list*) –
 - (*dict*) –
 - **Charge** (*integer*) –
 - **Type** (*string*) –
 - **Unit** (*string*) –
 - **Value** (*integer*) –
- **YearMonth** (*string*) –

describe_user_activities (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_user_activities(
    Range={
        'All': True|False,
```

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```

        'EndNumber': 123,
        'StartNumber': 123
    },
    YearMonth='string'
)

```

Parameters

- **Range** (*dict*) –
 - **All** (*boolean*) –
 - **EndNumber** (*integer*) –
 - **StartNumber** (*integer*) –
- **YearMonth** (*string*) –

Return type `dict`**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'UserActivitiesSet': [
        {
            'CategoryName': 'string',
            'DateTime': datetime(2015, 1, 1),
            'IpAddress': 'string',
            'Operation': 'string',
            'Operator': 'string',
            'Result': True|False
        },
    ],
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **UserActivitiesSet** (*list*) –
 - * (*dict*) –
 - **CategoryName** (*string*) –
 - **DateTime** (*datetime*) –
 - **IpAddress** (*string*) –
 - **Operation** (*string*) –
 - **Operator** (*string*) –
 - **Result** (*boolean*) –

describe_volumes (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.describe_volumes(
    VolumeId=[
        'string',
    ]
)

```

Parameters **VolumeId** (*list*) –

- (*string*) –

Return type `dict`

Returns

Response Syntax

```

{
  'RequestId': 'string',
  'VolumeSet': [
    {
      'AccountingType': 'string',
      'AttachmentSet': [
        {
          'AttachTime': datetime(2015, 1, 1),
          'DeleteOnTermination': True|False,
          'Device': 'string',
          'InstanceId': 'string',
          'InstanceUniqueId': 'string',
          'Status': 'string',
          'VolumeId': 'string'
        },
      ],
      'AvailabilityZone': 'string',
      'Charge': 123,
      'CreateTime': datetime(2015, 1, 1),
      'DiskType': 'string',
      'NextMonthAccountingType': 'string',
      'Size': 'string',
      'SnapshotId': 'string',
      'Status': 'string',
      'Type': 'string',
      'Unit': 'string',
      'Value': 123,
      'VolumeId': 'string'
    },
  ],
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **VolumeSet** (*list*) –
 - * (*dict*) –
 - **AccountingType** (*string*) –
 - **AttachmentSet** (*list*) –
 - (*dict*) –
 - **AttachTime** (*datetime*) –
 - **DeleteOnTermination** (*boolean*) –
 - **Device** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **Status** (*string*) –
 - **VolumeId** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **Charge** (*integer*) –
 - **CreateTime** (*datetime*) –
 - **DiskType** (*string*) –
 - **NextMonthAccountingType** (*string*) –
 - **Size** (*string*) –

- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **Type** (*string*) –
- **Unit** (*string*) –
- **Value** (*integer*) –
- **VolumeId** (*string*) –

describe_vpn_connections (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_vpn_connections(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    VpnConnectionId=[
        'string',
    ]
)
```

Parameters

- **Filter** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –
- **VpnConnectionId** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'VpnConnectionSet': [
    {
      'CreatedTime': datetime(2015, 1, 1),
      'CustomerGatewayConfiguration': 'string',
      'CustomerGatewayId': 'string',
      'NiftyCustomerGatewayName': 'string',
      'NiftyIpsecConfiguration': {
        'EncryptionAlgorithm': 'string',
        'HashingAlgorithm': 'string',
        'InternetKeyExchange': 'string',
        'MtU': 'string',
        'PreSharedKey': 'string'
      },
      'NiftyTunnel': {
        'DestinationPort': 'string',
        'Encapsulation': 'string',
        'Mode': 'string',

```

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```

        'PeerSessionId': 'string',
        'PeerTunnelId': 'string',
        'SessionId': 'string',
        'SourcePort': 'string',
        'TunnelId': 'string',
        'Type': 'string'
    },
    'NiftyVpnConnectionDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'Options': {
        'StaticRoutesOnly': True|False
    },
    'Routes': {
        'DestinationCidrBlock': 'string',
        'Source': 'string',
        'State': 'string'
    },
    'State': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'Type': 'string',
    'VgwTelemetry': [
        {
            'AcceptedRouteCount': 123,
            'LastStatusChange': datetime(2015, 1, 1),
            'OutsideIpAddress': 'string',
            'Status': 'string',
            'StatusMessage': 'string'
        },
    ],
    'VpnConnectionId': 'string',
    'VpnGatewayId': 'string'
},
]
}

```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **VpnConnectionSet** (*list*) –
 - * *(dict)* –
 - **CreatedTime** (*datetime*) –
 - **CustomerGatewayConfiguration** (*string*) –
 - **CustomerGatewayId** (*string*) –
 - **NiftyCustomerGatewayName** (*string*) –
 - **NiftyIpsecConfiguration** (*dict*) –
 - **EncryptionAlgorithm** (*string*) –
 - **HashingAlgorithm** (*string*) –
 - **InternetKeyExchange** (*string*) –
 - **Mtu** (*string*) –
 - **PreSharedKey** (*string*) –
 - **NiftyTunnel** (*dict*) –

- **DestinationPort** (*string*) –
- **Encapsulation** (*string*) –
- **Mode** (*string*) –
- **PeerSessionId** (*string*) –
- **PeerTunnelId** (*string*) –
- **SessionId** (*string*) –
- **SourcePort** (*string*) –
- **TunnelId** (*string*) –
- **Type** (*string*) –
- **NiftyVpnConnectionDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **Options** (*dict*) –
- **StaticRoutesOnly** (*boolean*) –
- **Routes** (*dict*) –
- **DestinationCidrBlock** (*string*) –
- **Source** (*string*) –
- **State** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VgwTelemetry** (*list*) –
- (*dict*) –
- **AcceptedRouteCount** (*integer*) –
- **LastStatusChange** (*datetime*) –
- **OutsideIpAddress** (*string*) –
- **Status** (*string*) –
- **StatusMessage** (*string*) –
- **VpnConnectionId** (*string*) –
- **VpnGatewayId** (*string*) –

describe_vpn_gateways (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_vpn_gateways(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    NiftyVpnGatewayName=[
        'string',
    ],
    VpnGatewayId=[
        'string',
    ]
)
```

Parameters

- **Filter** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –
- **NiftyVpnGatewayName** (*list*) –
 - (*string*) –
- **VpnGatewayId** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'VpnGatewaySet': [
    {
      'AccountingType': 'string',
      'Attachments': [
        {
          'State': 'string',
          'VpcId': 'string'
        },
      ],
      'AvailabilityZone': 'string',
      'BackupInformation': {
        'ExpirationDate': datetime(2015, 1, 1),
        'IsBackup': True|False
      },
      'CreatedTime': datetime(2015, 1, 1),
      'DeviceIndex': 123,
      'GroupSet': [
        {
          'GroupId': 'string'
        },
      ],
      'IpAddress': 'string',
      'NetworkInterfaceSet': [
        {
          'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
          },
          'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
          }
        }
      ]
    }
  ]
}
```

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```

    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'

```

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```

    },
    ],
    'NiftyRedundancy': True|False,
    'NiftyVpnGatewayDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'NiftyVpnGatewayType': 'string',
    'RouteTableAssociationId': 'string',
    'RouteTableId': 'string',
    'State': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    ],
    'Type': 'string',
    'VersionInformation': {
        'IsLatest': True|False,
        'Version': 'string'
    },
    },
    'VpnGatewayId': 'string'
},
]
}

```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **VpnGatewaySet** (list) –
 - * (dict) –
 - **AccountingType** (string) –
 - **Attachments** (list) –
 - (dict) –
 - **State** (string) –
 - **VpcId** (string) –
 - **AvailabilityZone** (string) –
 - **BackupInformation** (dict) –
 - **ExpirationDate** (datetime) –
 - **IsBackup** (boolean) –
 - **CreatedTime** (datetime) –
 - **DeviceIndex** (integer) –
 - **GroupSet** (list) –
 - (dict) –
 - **GroupId** (string) –
 - **IpAddress** (string) –
 - **NetworkInterfaceSet** (list) –
 - (dict) –
 - **Association** (dict) –
 - **AllocationId** (string) –
 - **AssociationId** (string) –
 - **IpOwnerId** (string) –
 - **PublicDnsName** (string) –
 - **PublicIp** (string) –
 - **PublicIpV6** (string) –
 - **Attachment** (dict) –

- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –

- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –

detach_network_interface (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.detach_network_interface(
    AttachmentId='string',
    NiftyReboot='string'
)
```

Parameters

- **AttachmentId** (*string*) –
- **NiftyReboot** (*string*) –

Return type: dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

detach_volume (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.detach_volume(
    Agreement=True|False,
    InstanceId='string',
    VolumeId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **InstanceId** (*string*) –
- **VolumeId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AttachTime': datetime(2015, 1, 1),
    'Device': 'string',
    'InstanceId': 'string',
    'InstanceUniqueId': 'string',
    'RequestId': 'string',
    'Status': 'string',
    'VolumeId': 'string'
}
```

Response Structure

- (*dict*) –
 - **AttachTime** (*datetime*) –
 - **Device** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **RequestId** (*string*) –
 - **Status** (*string*) –
 - **VolumeId** (*string*) –

disassociate_address (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.disassociate_address(
    NiftyReboot='string',
    PrivateIpAddress='string',
    PublicIp='string'
)
```

Parameters

- **NiftyReboot** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PublicIp** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

disassociate_route_table (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.disassociate_route_table(
    Agreement=True|False,
    AssociationId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

dissociate_users (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.dissociate_users(
    FunctionName='string',
    Users=[
        {
            'UserId': 'string'
        },
    ]
)
```

Parameters

- **FunctionName** (*string*) –
- **Users** (*list*) –
 - (*dict*) –
 - * **UserId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'DissociateUsersResult': {'... recursive ...'},
    'ResponseMetadata': {
        'RequestId': 'string'
    },
    'Users': [
```

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```

    {
        'UserId': 'string'
    },
]
}

```

Response Structure

- *(dict)* –
 - **DissociateUsersResult** (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –
 - **Users** (*list*) –
 - * (*dict*) –
 - **UserId** (*string*) –

download_ssl_certificate (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.download_ssl_certificate(
    FileType='string',
    FqdnId='string'
)

```

Parameters

- **FileType** (*string*) –
- **FqdnId** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
    'FileData': 'string',
    'Fqdn': 'string',
    'FqdnId': 'string',
    'RequestId': 'string'
}

```

Response Structure

- (*dict*) –
 - **FileData** (*string*) –
 - **Fqdn** (*string*) –
 - **FqdnId** (*string*) –
 - **RequestId** (*string*) –

generate_presigned_url (*ClientMethod*, *Params=None*, *ExpiresIn=3600*, *HttpMethod=None*)

Generate a presigned url given a client, its method, and arguments

Parameters

- **ClientMethod** (*string*) – The client method to presign for
- **Params** (*dict*) – The parameters normally passed to *ClientMethod*.
- **ExpiresIn** (*int*) – The number of seconds the presigned url is valid for. By default it expires in an hour (3600 seconds)
- **HttpMethod** (*string*) – The http method to use on the generated url. By default, the http method is whatever is used in the method's model.

Returns The presigned url

get_paginator (*operation_name*)

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

get_waiter (*waiter_name*)

Returns an object that can wait for some condition.

Parameters **waiter_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

import_instance (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.import_instance(
    AccountingType='string',
    Description='string',
    InstanceId='string',
    InstanceType='string',
    IpType='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        },
    ],
    Ovf='string',
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    PublicIp='string',
    SecurityGroup=[
        'string',
    ]
)
```

Parameters

- **AccountingType** (*string*) –
- **Description** (*string*) –
- **InstanceId** (*string*) –
- **InstanceType** (*string*) –
- **IpType** (*string*) –
- **NetworkInterface** (*list*) –
 - (*dict*) –
 - * **DeviceIndex** (*integer*) –
 - * **Dhcp** (*boolean*) –
 - * **DhcpConfigId** (*string*) –
 - * **DhcpOptionsId** (*string*) –
 - * **IpAddress** (*string*) –
 - * **IsVipNetwork** (*boolean*) –
 - * **NetworkId** (*string*) –
 - * **NetworkName** (*string*) –
 - * **RequestSecurityGroupId** (*list*) –
 - (*string*) –
- **Ovf** (*string*) –
- **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –
- **PublicIp** (*string*) –
- **SecurityGroup** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'ConversionTask': {
    'ConversionTaskId': 'string',
    'ExpirationTime': 'string',
    'ImportInstance': {
      'AvailabilityZone': 'string',
      'Description': 'string',
      'Image': {
        'Checksum': 123,
        'Format': 'string',
        'ImportManifestUrl': 'string',
        'Size': 123
      },
    },
    'InstanceId': 'string',
    'InstanceUniqueId': 'string',
    'Platform': 'string',
    'Volumes': [
      {
        'AvailabilityZone': 'string',
        'BytesConverted': 123,
        'Description': 'string',
        'Image': {
          'Checksum': 123,
          'Format': 'string',
          'ImportManifestUrl': 'string',
          'Size': 123
        },
      },
    ],
  },
}
```

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```

        'Status': 'string',
        'StatusMessage': 'string',
        'Volume': {
            'Id': 'string',
            'Size': 123
        }
    },
]
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            }
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',

```

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```

        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'State': 'string',
'StatusMessage': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
]
}
}

```

Response Structure

- *(dict)* –
 - **ConversionTask** (*dict*) –
 - * **ConversionTaskId** (*string*) –
 - * **ExpirationTime** (*string*) –
 - * **ImportInstance** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **Description** (*string*) –
 - **Image** (*dict*) –
 - **Checksum** (*integer*) –
 - **Format** (*string*) –
 - **ImportManifestUrl** (*string*) –
 - **Size** (*integer*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –

- **Platform** (*string*) –
- **Volumes** (*list*) –
- (*dict*) –
- **AvailabilityZone** (*string*) –
- **BytesConverted** (*integer*) –
- **Description** (*string*) –
- **Image** (*dict*) –
- **Checksum** (*integer*) –
- **Format** (*string*) –
- **ImportManifestUrl** (*string*) –
- **Size** (*integer*) –
- **Status** (*string*) –
- **StatusMessage** (*string*) –
- **Volume** (*dict*) –
- **Id** (*string*) –
- **Size** (*integer*) –
- * **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –

- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- * **State** (*string*) –
- * **StatusMessage** (*string*) –
- * **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –

```
import_key_pair (**kwargs)
```

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.import_key_pair(
    Description='string',
    KeyName='string',
    PublicKeyMaterial='string'
)
```

Parameters

- **Description** (*string*) –
- **KeyName** (*string*) –
- **PublicKeyMaterial** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'KeyFingerprint': 'string',
```

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```

    'KeyName': 'string',
    'RequestId': 'string'
}

```

Response Structure

- (*dict*) –
 - **KeyFingerprint** (*string*) –
 - **KeyName** (*string*) –
 - **RequestId** (*string*) –

modify_image_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.modify_image_attribute(
    Attribute='string',
    ImageId='string',
    Value='string'
)

```

Parameters

- **Attribute** (*string*) –
- **ImageId** (*string*) –
- **Value** (*string*) –

Return type dict

Returns**Response Syntax**

```

{
    'RequestId': 'string'
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –

modify_instance_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.modify_instance_attribute(
    Attribute='string',
    Force=True|False,
    InstanceId='string',
    NiftyReboot='string',
    Tenancy='string',
    Value='string'
)

```

Parameters

- **Attribute** (*string*) –
- **Force** (*boolean*) –
- **InstanceId** (*string*) –
- **NiftyReboot** (*string*) –

- **Tenancy** (*string*) –
- **Value** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

modify_network_interface_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.modify_network_interface_attribute(
    Description='string',
    IpAddress='string',
    NetworkInterfaceId='string'
)
```

Parameters

- **Description** (*string*) –
- **IpAddress** (*string*) –
- **NetworkInterfaceId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

modify_ssl_certificate_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.modify_ssl_certificate_attribute(
    Description={
        'Value': 'string'
    },
    FqdnId='string'
)
```

Parameters

- **Description** (*dict*) –
 - **Value** (*string*) –
- **FqdnId** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

modify_volume_attribute (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.modify_volume_attribute(
    Attribute='string',
    Value='string',
    VolumeId='string'
)
```

Parameters

- **Attribute** (*string*) –
- **Value** (*string*) –
- **VolumeId** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_associate_image (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_associate_image(
    DistributionId=[
        'string',
    ],
```

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```

ImageId='string',
IsPublic=True|False,
IsRedistribute=True|False
)

```

Parameters

- **DistributionId** (*list*) –
– (*string*) –
- **ImageId** (*string*) –
- **IsPublic** (*boolean*) –
- **IsRedistribute** (*boolean*) –

Return type dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

Response Structure

- (*dict*) –
– **RequestId** (*string*) –
– **Return** (*boolean*) –

nifty_associate_nat_table (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.nifty_associate_nat_table(
    Agreement=True|False,
    NatTableId='string',
    RouterId='string',
    RouterName='string'
)

```

Parameters

- **Agreement** (*boolean*) –
- **NatTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
    'AssociationId': 'string',
    'RequestId': 'string'
}

```

Response Structure

- (*dict*) –
– **AssociationId** (*string*) –
– **RequestId** (*string*) –

nifty_associate_route_table_with_vpn_gateway (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_associate_route_table_with_vpn_gateway(
    Agreement=True|False,
    NiftyVpnGatewayName='string',
    RouteTableId='string',
    VpnGatewayId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **NiftyVpnGatewayName** (*string*) –
- **RouteTableId** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **AssociationId** (*string*) –
 - **RequestId** (*string*) –

nifty_configure_elastic_load_balancer_health_check (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_configure_elastic_load_balancer_health_check(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    HealthCheck={
        'Interval': 123,
        'Target': 'string',
        'UnhealthyThreshold': 123
    },
    InstancePort=123,
    Protocol='string'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **HealthCheck** (*dict*) –
 - **Interval** (*integer*) –
 - **Target** (*string*) –
 - **UnhealthyThreshold** (*integer*) –

- **InstancePort** (*integer*) –
- **Protocol** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'HealthCheck': {
    'HealthyThreshold': 123,
    'InstanceStates': [
      {
        'Description': 'string',
        'InstanceId': 'string',
        'InstanceUniqueId': 'string',
        'ReasonCode': 'string',
        'State': 'string'
      },
    ],
    'Interval': 123,
    'Target': 'string',
    'Timeout': 123,
    'UnhealthyThreshold': 123
  },
  'NiftyConfigureElasticLoadBalancerHealthCheckResult': {'...
↪ recursive ...'},
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **HealthCheck** (*dict*) –
 - * **HealthyThreshold** (*integer*) –
 - * **InstanceStates** (*list*) –
 - (*dict*) –
 - **Description** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **ReasonCode** (*string*) –
 - **State** (*string*) –
 - * **Interval** (*integer*) –
 - * **Target** (*string*) –
 - * **Timeout** (*integer*) –
 - * **UnhealthyThreshold** (*integer*) –
 - **NiftyConfigureElasticLoadBalancerHealthCheckResult** (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

nifty_create_alarm (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_create_alarm(
    AlarmCondition='string',
```

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```

Description='string',
ElasticLoadBalancerName=[
    'string',
],
ElasticLoadBalancerPort=[
    123,
],
ElasticLoadBalancerProtocol=[
    'string',
],
EmailAddress=[
    'string',
],
FunctionName='string',
InstanceId=[
    'string',
],
LoadBalancerName=[
    'string',
],
LoadBalancerPort=[
    123,
],
Partition=[
    'string',
],
Rule=[
    {
        'BreachDuration': 123,
        'DataType': 'string',
        'FromDate': 'string',
        'FunctionName': 'string',
        'RuleName': 'string',
        'Threshold': 123.0,
        'ToDate': 'string',
        'UpperLowerCondition': 'string'
    },
],
RuleName='string',
Zone='string'
)

```

Parameters

- **AlarmCondition** (*string*) –
- **Description** (*string*) –
- **ElasticLoadBalancerName** (*list*) –
– (*string*) –
- **ElasticLoadBalancerPort** (*list*) –
– (*integer*) –
- **ElasticLoadBalancerProtocol** (*list*) –
– (*string*) –
- **EmailAddress** (*list*) –
– (*string*) –
- **FunctionName** (*string*) –
- **InstanceId** (*list*) –
– (*string*) –

- **LoadBalancerName** (*list*) –
– (*string*) –
- **LoadBalancerPort** (*list*) –
– (*integer*) –
- **Partition** (*list*) –
– (*string*) –
- **Rule** (*list*) –
– (*dict*) –
 - * **BreachDuration** (*integer*) –
 - * **DataType** (*string*) –
 - * **FromDate** (*string*) –
 - * **FunctionName** (*string*) –
 - * **RuleName** (*string*) –
 - * **Threshold** (*float*) –
 - * **ToDate** (*string*) –
 - * **UpperLowerCondition** (*string*) –
- **RuleName** (*string*) –
- **Zone** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_create_auto_scaling_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_create_auto_scaling_group(
    AutoScalingGroupName='string',
    ChangeInCapacity=123,
    DefaultCooldown=123,
    Description='string',
    ImageId='string',
    InstanceLifecycleLimit=123,
    InstanceType='string',
    LoadBalancers=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'Name': 'string'
        },
    ],
    MaxSize=123,
    MinSize=123,
    Scaleout=123,
```

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```

ScaleoutCondition='string',
ScalingSchedule=[
    {
        'RequestDDayStruct': {
            'EndingDDay': 'string',
            'StartingDDay': 'string'
        },
        'RequestDayStruct': {
            'SetFriday': 'string',
            'SetMonday': 'string',
            'SetSaturday': 'string',
            'SetSunday': 'string',
            'SetThursday': 'string',
            'SetTuesday': 'string',
            'SetWednesday': 'string'
        },
        'RequestMonthStruct': {
            'EndingMonth': 'string',
            'StartingMonth': 'string'
        },
        'RequestTimeZoneStruct': {
            'EndingTimeZone': 'string',
            'StartingTimeZone': 'string'
        }
    },
],
ScalingTrigger=[
    {
        'BreachDuration': 123,
        'Resource': 'string',
        'UpperThreshold': 123.0
    },
],
SecurityGroup=[
    'string',
]
)

```

Parameters

- **AutoScalingGroupName** (*string*) –
- **ChangeInCapacity** (*integer*) –
- **DefaultCooldown** (*integer*) –
- **Description** (*string*) –
- **ImageId** (*string*) –
- **InstanceLifecycleLimit** (*integer*) –
- **InstanceType** (*string*) –
- **LoadBalancers** (*list*) –
 - (*dict*) –
 - * **InstancePort** (*integer*) –
 - * **LoadBalancerName** (*string*) –
 - * **LoadBalancerPort** (*integer*) –
 - * **Name** (*string*) –
- **MaxSize** (*integer*) –
- **MinSize** (*integer*) –
- **Scaleout** (*integer*) –
- **ScaleoutCondition** (*string*) –

- **ScalingSchedule** (*list*) –
 - (*dict*) –
 - * **RequestDDayStruct** (*dict*) –
 - **EndingDDay** (*string*) –
 - **StartingDDay** (*string*) –
 - * **RequestDayStruct** (*dict*) –
 - **SetFriday** (*string*) –
 - **SetMonday** (*string*) –
 - **SetSaturday** (*string*) –
 - **SetSunday** (*string*) –
 - **SetThursday** (*string*) –
 - **SetTuesday** (*string*) –
 - **SetWednesday** (*string*) –
 - * **RequestMonthStruct** (*dict*) –
 - **EndingMonth** (*string*) –
 - **StartingMonth** (*string*) –
 - * **RequestTimeZoneStruct** (*dict*) –
 - **EndingTimeZone** (*string*) –
 - **StartingTimeZone** (*string*) –
- **ScalingTrigger** (*list*) –
 - (*dict*) –
 - * **BreachDuration** (*integer*) –
 - * **Resource** (*string*) –
 - * **UpperThreshold** (*float*) –
- **SecurityGroup** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_create_dhcp_config()

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_create_dhcp_config()
```

Return type dict

Returns

Response Syntax

```
{
  'DhcpConfig': {
    'DhcpConfigId': 'string',
```

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```

    'IpAddressPoolsSet': [
        {
            'Description': 'string',
            'StartIpAddress': 'string',
            'StopIpAddress': 'string'
        },
    ],
    'StaticMappingsSet': [
        {
            'Description': 'string',
            'IpAddress': 'string',
            'MacAddress': 'string'
        },
    ],
]
},
'RequestId': 'string'
}

```

Response Structure

- *(dict)* –
 - **DhcpConfig** (*dict*) –
 - * **DhcpConfigId** (*string*) –
 - * **IpAddressPoolsSet** (*list*) –
 - *(dict)* –
 - **Description** (*string*) –
 - **StartIpAddress** (*string*) –
 - **StopIpAddress** (*string*) –
 - * **StaticMappingsSet** (*list*) –
 - *(dict)* –
 - **Description** (*string*) –
 - **IpAddress** (*string*) –
 - **MacAddress** (*string*) –
 - **RequestId** (*string*) –

nifty_create_dhcp_ip_address_pool (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_create_dhcp_ip_address_pool(
    Description='string',
    DhcpConfigId='string',
    StartIpAddress='string',
    StopIpAddress='string'
)

```

Parameters

- **Description** (*string*) –
- **DhcpConfigId** (*string*) –
- **StartIpAddress** (*string*) –
- **StopIpAddress** (*string*) –

Return type dict

Returns**Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **Return** (boolean) –

nifty_create_dhcp_static_mapping (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_create_dhcp_static_mapping(
    Description='string',
    DhcpConfigId='string',
    IpAddress='string',
    MacAddress='string'
)
```

Parameters

- **Description** (string) –
- **DhcpConfigId** (string) –
- **IpAddress** (string) –
- **MacAddress** (string) –

Return type dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **Return** (boolean) –

nifty_create_elastic_load_balancer (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_create_elastic_load_balancer(
    AccountingType='string',
    AvailabilityZones=[
        'string',
    ],
    ElasticLoadBalancerName='string',
    Listeners=[
        {
            'BalancingType': 'string',
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
```

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```

        'InstancePort': 123,
        'LoadBalancerPort': 123,
        'Protocol': 'string',
        'RequestHealthCheckStruct': {
            'Interval': 123,
            'Target': 'string',
            'UnhealthyThreshold': 123
        },
        'RequestInstances': [
            {
                'InstanceId': 'string',
                'InstanceUniqueId': 'string'
            },
        ],
        'RequestSessionStruct': {
            'RequestStickinessPolicyStruct': {
                'Enable': True|False,
                'ExpirationPeriod': 123,
                'Method': 'string'
            }
        },
        'RequestSorryPageStruct': {
            'Enable': True|False,
            'RedirectUrl': 'string'
        },
        'SSLCertificateId': 'string'
    },
],
NetworkInterface=[
    {
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpConfigId': 'string',
        'DhcpOptionsId': 'string',
        'IpAddress': 'string',
        'IsVipNetwork': True|False,
        'NetworkId': 'string',
        'NetworkName': 'string',
        'RequestSecurityGroupId': [
            'string',
        ]
    },
],
NetworkVolume=123
)

```

Parameters

- **AccountingType** (*string*) –
- **AvailabilityZones** (*list*) –
 - (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **Listeners** (*list*) –
 - (*dict*) –
 - * **BalancingType** (*string*) –
 - * **Description** (*string*) –
 - * **ElasticLoadBalancerPort** (*integer*) –

- * **InstancePort** (*integer*) –
- * **LoadBalancerPort** (*integer*) –
- * **Protocol** (*string*) –
- * **RequestHealthCheckStruct** (*dict*) –
 - **Interval** (*integer*) –
 - **Target** (*string*) –
 - **UnhealthyThreshold** (*integer*) –
- * **RequestInstances** (*list*) –
 - (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
- * **RequestSessionStruct** (*dict*) –
 - **RequestStickinessPolicyStruct** (*dict*) –
 - **Enable** (*boolean*) –
 - **ExpirationPeriod** (*integer*) –
 - **Method** (*string*) –
- * **RequestSorryPageStruct** (*dict*) –
 - **Enable** (*boolean*) –
 - **RedirectUrl** (*string*) –
- * **SSLCertificateId** (*string*) –
- **NetworkInterface** (*list*) –
 - (*dict*) –
 - * **DeviceIndex** (*integer*) –
 - * **Dhcp** (*boolean*) –
 - * **DhcpConfigId** (*string*) –
 - * **DhcpOptionsId** (*string*) –
 - * **IpAddress** (*string*) –
 - * **IsVipNetwork** (*boolean*) –
 - * **NetworkId** (*string*) –
 - * **NetworkName** (*string*) –
 - * **RequestSecurityGroupId** (*list*) –
 - (*string*) –
- **NetworkVolume** (*integer*) –

Return type `dict`

Returns

Response Syntax

```
{
  'DNSName': 'string',
  'NiftyCreateElasticLoadBalancerResult': {'... recursive ...
  ↪ },
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **DNSName** (*string*) –
 - **NiftyCreateElasticLoadBalancerResult** (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

`nifty_create_instance_snapshot` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_create_instance_snapshot(
    Description='string',
    InstanceId='string',
    SnapshotName='string'
)
```

Parameters

- **Description** (*string*) –
- **InstanceId** (*string*) –
- **SnapshotName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'InstanceSet': [
    {
      'InstanceId': 'string',
      'InstanceState': 'string',
      'InstanceUniqueId': 'string'
    },
  ],
  'RequestId': 'string',
  'SnapshotName': 'string'
}
```

Response Structure

- (*dict*) –
 - **InstanceSet** (*list*) –
 - * (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceState** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **RequestId** (*string*) –
 - **SnapshotName** (*string*) –

nifty_create_nat_rule (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_create_nat_rule(
    Description='string',
    Destination={
      'Port': 123
    },
    InboundInterface={
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    NatTableId='string',
    NatType='string',
    OutboundInterface={
      'NetworkId': 'string',
      'NetworkName': 'string'
    }
)
```

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```

    },
    Protocol='string',
    RuleNumber='string',
    Source={
        'Address': 'string',
        'Port': 123
    },
    Translation={
        'Address': 'string',
        'Port': 123
    }
}
)

```

Parameters

- **Description** (*string*) –
- **Destination** (*dict*) –
 - **Port** (*integer*) –
- **InboundInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
- **NatTableId** (*string*) –
- **NatType** (*string*) –
- **OutboundInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
- **Protocol** (*string*) –
- **RuleNumber** (*string*) –
- **Source** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –
- **Translation** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –

Return type dict**Returns****Response Syntax**

```

{
  'NatRule': {
    'Description': 'string',
    'Destination': {
      'Address': 'string',
      'Port': 123
    },
    'InboundInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'NatType': 'string',
    'OutboundInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'Protocol': 'string',
  }
}

```

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```

    'RuleNumber': 'string',
    'Source': {
        'Address': 'string',
        'Port': 123
    },
    'Translation': {
        'Address': 'string',
        'Port': 123
    }
},
'NatTableId': 'string',
'RequestId': 'string'
}

```

Response Structure

- *(dict)* –
 - **NatRule** (*dict*) –
 - * **Description** (*string*) –
 - * **Destination** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –
 - * **InboundInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
 - * **NatType** (*string*) –
 - * **OutboundInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
 - * **Protocol** (*string*) –
 - * **RuleNumber** (*string*) –
 - * **Source** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –
 - * **Translation** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –
 - **NatTableId** (*string*) –
 - **RequestId** (*string*) –

nifty_create_nat_table()See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_create_nat_table()
```

Return type dict**Returns****Response Syntax**

```

{
    'NatTable': {
        'NatTableId': 'string',
        'TagSet': [

```

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```

        {
            'Key': 'string',
            'Value': 'string'
        },
    ]
},
'RequestId': 'string'
}

```

Response Structure

- (*dict*) –
 - **NatTable** (*dict*) –
 - * **NatTableId** (*string*) –
 - * **TagSet** (*list*) –
 - (*dict*) –
 - **Key** (*string*) –
 - **Value** (*string*) –
 - **RequestId** (*string*) –

nifty_create_private_lan (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_create_private_lan(
    AccountingType='string',
    AvailabilityZone='string',
    CidrBlock='string',
    Description='string',
    PrivateLanName='string'
)

```

Parameters

- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Description** (*string*) –
- **PrivateLanName** (*string*) –

Return type dict

Returns**Response Syntax**

```

{
  'PrivateLan': {
    'AccountingType': 'string',
    'AvailabilityZone': 'string',
    'Charge': 123,
    'CidrBlock': 'string',
    'CreatedTime': datetime(2015, 1, 1),
    'Description': 'string',
    'InstancesSet': [
      {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',

```

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```

'Architecture': 'string',
'Autoscaling': {
    'AutoScalingGroupName': 'string',
    'ExpireTime': datetime(2015, 1, 1)
},
'BlockDeviceMapping': [
    {
        'DeviceName': 'string',
        'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},

```

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```

'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpv6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            }
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',

```

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```

        'PublicIpV6': 'string'
    },
    'Primary': True|False,
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string'
},
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',

```

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```

        'RegionName': 'string',
        'RootDeviceName': 'string',
        'RootDeviceType': 'string',
        'SpotInstanceRequestId': 'string',
        'StateReason': {
            'Code': 123,
            'Message': 'string'
        },
        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'PrivateLanId': 'string',
'PrivateLanName': 'string',
'RouterSet': [
    {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'CreatedTime': datetime(2015, 1, 1),
        'Description': 'string',
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
    },
],
'IpAddress': 'string',
'NatTableAssociationId': 'string',
'NatTableId': 'string',
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Descripion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',

```

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```

'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InterfaceType': 'string',
'IpAddress': 'string',
'Ipv6AddressesSet': [
    {
        'Ipv6Address': 'string'
    },
],
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',

```

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```

        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'Type': 'string'
    },
],
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'Unit': 'string',
'Value': 123,
'VpnGatewaySet': [
    {
        'AccountingType': 'string',
        'Attachments': [
            {
                'State': 'string',
                'VpcId': 'string'
            },
        ],
        'AvailabilityZone': 'string',
        'BackupInformation': {
            'ExpirationDate': datetime(2015, 1, 1),
            'IsBackup': True|False
        },
        'CreatedTime': datetime(2015, 1, 1),
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'NetworkInterfaceSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': datetime(2015, 1, 1),
                    'AttachmentID': 'string',
                    'AttachmentId': 'string',
                    'DeleteOnTermination': True|False,
                    'DeviceIndex': 123,

```

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```

        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        }
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ]

```

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```

        },
        ],
        'VpcId': 'string'
    },
    ],
    'NiftyRedundancy': True|False,
    'NiftyVpnGatewayDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'NiftyVpnGatewayType': 'string',
    'RouteTableAssociationId': 'string',
    'RouteTableId': 'string',
    'State': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    ],
    'Type': 'string',
    'VersionInformation': {
        'IsLatest': True|False,
        'Version': 'string'
    },
    ],
    'VpnGatewayId': 'string'
},
],
],
},
},
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **PrivateLan** (dict) –
 - * **AccountingType** (string) –
 - * **AvailabilityZone** (string) –
 - * **Charge** (integer) –
 - * **CidrBlock** (string) –
 - * **CreatedTime** (datetime) –
 - * **Description** (string) –
 - * **InstancesSet** (list) –
 - (dict) –
 - **AccountingType** (string) –
 - **Admin** (string) –
 - **AmiLaunchIndex** (string) –
 - **Architecture** (string) –
 - **Autoscaling** (dict) –
 - **AutoScalingGroupName** (string) –
 - **ExpireTime** (datetime) –
 - **BlockDeviceMapping** (list) –
 - (dict) –
 - **DeviceName** (string) –
 - **Ebs** (dict) –
 - **AttachTime** (datetime) –
 - **DeleteOnTermination** (boolean) –
 - **SnapshotId** (string) –

- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –

- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –

- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- * **PrivateLanId** (*string*) –
- * **PrivateLanName** (*string*) –
- * **RouterSet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NatTableAssociationId** (*string*) –
- **NatTableId** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –

- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –

- *(dict)* –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- *(dict)* –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- * **State** (*string*) –
- * **TagSet** (*list*) –
 - *(dict)* –
 - **Key** (*string*) –
 - **Value** (*string*) –
- * **Type** (*string*) –
- * **Unit** (*string*) –
- * **Value** (*integer*) –
- * **VpnGatewaySet** (*list*) –
 - *(dict)* –
 - **AccountingType** (*string*) –
 - **Attachments** (*list*) –
 - *(dict)* –
 - **State** (*string*) –
 - **VpcId** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **BackupInformation** (*dict*) –
 - **ExpirationDate** (*datetime*) –
 - **IsBackup** (*boolean*) –
 - **CreatedTime** (*datetime*) –
 - **DeviceIndex** (*integer*) –
 - **GroupSet** (*list*) –
 - *(dict)* –
 - **GroupId** (*string*) –
 - **IpAddress** (*string*) –
 - **NetworkInterfaceSet** (*list*) –
 - *(dict)* –
 - **Association** (*dict*) –
 - **AllocationId** (*string*) –
 - **AssociationId** (*string*) –
 - **IpOwnerId** (*string*) –
 - **PublicDnsName** (*string*) –
 - **PublicIp** (*string*) –
 - **PublicIpV6** (*string*) –
 - **Attachment** (*dict*) –
 - **AttachTime** (*datetime*) –
 - **AttachmentID** (*string*) –
 - **AttachmentId** (*string*) –
 - **DeleteOnTermination** (*boolean*) –

- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –

- **NiftyVpnGatewayType** (*string*) –
 - **RouteTableAssociationId** (*string*) –
 - **RouteTableId** (*string*) –
 - **State** (*string*) –
 - **TagSet** (*list*) –
 - (*dict*) –
 - **Key** (*string*) –
 - **Value** (*string*) –
 - **Type** (*string*) –
 - **VersionInformation** (*dict*) –
 - **IsLatest** (*boolean*) –
 - **Version** (*string*) –
 - **VpnGatewayId** (*string*) –
- **RequestId** (*string*) –

nifty_create_router (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_create_router(
    AccountingType='string',
    AvailabilityZone='string',
    Description='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        },
    ],
    RouterName='string',
    SecurityGroup=[
        'string',
    ],
    Type='string'
)
```

Parameters

- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **Description** (*string*) –
- **NetworkInterface** (*list*) –
 - (*dict*) –
 - * **DeviceIndex** (*integer*) –
 - * **Dhcp** (*boolean*) –
 - * **DhcpConfigId** (*string*) –
 - * **DhcpOptionsId** (*string*) –
 - * **IpAddress** (*string*) –

- * **IsVipNetwork** (*boolean*) –
- * **NetworkId** (*string*) –
- * **NetworkName** (*string*) –
- * **RequestSecurityGroupId** (*list*) –
 - (*string*) –
- **RouterName** (*string*) –
- **SecurityGroup** (*list*) –
 - (*string*) –
- **Type** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'Router': {
    'AccountingType': 'string',
    'AvailabilityZone': 'string',
    'BackupInformation': {
      'ExpirationDate': datetime(2015, 1, 1),
      'IsBackup': True|False
    },
    'CreatedTime': datetime(2015, 1, 1),
    'Description': 'string',
    'NatTableAssociationId': 'string',
    'NatTableId': 'string',
    'NetworkInterfaceSet': [
      {
        'Association': {
          'AllocationId': 'string',
          'AssociationId': 'string',
          'IpOwnerId': 'string',
          'PublicDnsName': 'string',
          'PublicIp': 'string',
          'PublicIpV6': 'string'
        },
        'Attachment': {
          'AttachTime': datetime(2015, 1, 1),
          'AttachmentID': 'string',
          'AttachmentId': 'string',
          'DeleteOnTermination': True|False,
          'DeviceIndex': 123,
          'InstanceId': 'string',
          'InstanceOwnerId': 'string',
          'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
          {
            'GroupId': 'string'
          }
        ]
      }
    ]
  }
}
```

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```

        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        }
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',

```

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```

        'Value': 'string'
    },
],
'Type': 'string',
'VersionInformation': {
    'IsLatest': True|False,
    'Version': 'string'
}
}
}

```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **Router** (dict) –
 - * **AccountingType** (string) –
 - * **AvailabilityZone** (string) –
 - * **BackupInformation** (dict) –
 - **ExpirationDate** (datetime) –
 - **IsBackup** (boolean) –
 - * **CreatedTime** (datetime) –
 - * **Description** (string) –
 - * **NatTableAssociationId** (string) –
 - * **NatTableId** (string) –
 - * **NetworkInterfaceSet** (list) –
 - (dict) –
 - **Association** (dict) –
 - **AllocationId** (string) –
 - **AssociationId** (string) –
 - **IpOwnerId** (string) –
 - **PublicDnsName** (string) –
 - **PublicIp** (string) –
 - **PublicIpV6** (string) –
 - **Attachment** (dict) –
 - **AttachTime** (datetime) –
 - **AttachmentID** (string) –
 - **AttachmentId** (string) –
 - **DeleteOnTermination** (boolean) –
 - **DeviceIndex** (integer) –
 - **InstanceId** (string) –
 - **InstanceOwnerId** (string) –
 - **Status** (string) –
 - **AvailabilityZone** (string) –
 - **CidrBlock** (string) –
 - **Descriprion** (string) –
 - **Description** (string) –
 - **DeviceIndex** (integer) –
 - **Dhcp** (boolean) –
 - **DhcpOptionsId** (string) –
 - **GroupSet** (list) –
 - (dict) –
 - **GroupId** (string) –
 - **InterfaceType** (string) –

- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- * **NextMonthAccountingType** (*string*) –
- * **RouteTableAssociationId** (*string*) –
- * **RouteTableId** (*string*) –
- * **RouterId** (*string*) –
- * **RouterName** (*string*) –
- * **State** (*string*) –
- * **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- * **Type** (*string*) –
- * **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –

`nifty_create_separate_instance_rule` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_create_separate_instance_rule(
    InstanceId=[
        'string',
    ],
    InstanceUniqueId=[
        'string',
    ],
    Placement={
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    SeparateInstanceRuleDescription='string',
    SeparateInstanceRuleName='string'
)

```

Parameters

- **InstanceId** (*list*) –
 - (*string*) –
- **InstanceUniqueId** (*list*) –
 - (*string*) –
- **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –
- **SeparateInstanceRuleDescription** (*string*) –
- **SeparateInstanceRuleName** (*string*) –

Return type dict

Returns**Response Syntax**

```

{
    'RequestId': 'string',
    'Return': 'string'
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*string*) –

nifty_create_web_proxy (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_create_web_proxy(
    Agreement=True | False,
    BypassInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    Description='string',
    ListenInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    ListenPort='string',
)

```

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```

Option={
    'NameServer': 'string'
},
RouterId='string',
RouterName='string'
)

```

Parameters

- **Agreement** (*boolean*) –
- **BypassInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
- **Description** (*string*) –
- **ListenInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
- **ListenPort** (*string*) –
- **Option** (*dict*) –
 - **NameServer** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
  'RequestId': 'string',
  'WebProxy': {
    'BypassInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'Description': 'string',
    'ListenInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'ListenPort': 'string',
    'Option': {
      'MobileFilter': {
        'Enabled': True|False
      },
      'NameServer': 'string',
      'SessionStickinessPolicy': {
        'Enabled': True|False,
        'ExpirationPeriod': 123,
        'Method': 123
      },
      'SorryPage': {
        'Enabled': True|False,
        'RedirectUrl': 'string',
        'StatusCode': 123
      }
    }
  },
  'RouterId': 'string',

```

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```

    'RouterName': 'string'
  }
}

```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **WebProxy** (dict) –
 - * **BypassInterface** (dict) –
 - **NetworkId** (string) –
 - **NetworkName** (string) –
 - * **Description** (string) –
 - * **ListenInterface** (dict) –
 - **NetworkId** (string) –
 - **NetworkName** (string) –
 - * **ListenPort** (string) –
 - * **Option** (dict) –
 - **MobileFilter** (dict) –
 - **Enabled** (boolean) –
 - **NameServer** (string) –
 - **SessionStickinessPolicy** (dict) –
 - **Enabled** (boolean) –
 - **ExpirationPeriod** (integer) –
 - **Method** (integer) –
 - **SorryPage** (dict) –
 - **Enabled** (boolean) –
 - **RedirectUrl** (string) –
 - **StatusCode** (integer) –
 - * **RouterId** (string) –
 - * **RouterName** (string) –

nifty_delete_alarm (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_delete_alarm(
    FunctionName='string',
    RuleName='string'
)

```

Parameters

- **FunctionName** (string) –
- **RuleName** (string) –

Return type dict

Returns**Response Syntax**

```

{
  'RequestId': 'string',
  'Return': True|False
}

```

Response Structure

- (dict) –

- **RequestId** (*string*) -
- **Return** (*boolean*) -

nifty_delete_auto_scaling_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_delete_auto_scaling_group(
    AutoScalingGroupName='string'
)
```

Parameters **AutoScalingGroupName** (*string*) -

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) -
 - **RequestId** (*string*) -
 - **Return** (*boolean*) -

nifty_delete_dhcp_config (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_delete_dhcp_config(
    DhcpConfigId='string'
)
```

Parameters **DhcpConfigId** (*string*) -

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) -
 - **RequestId** (*string*) -
 - **Return** (*boolean*) -

nifty_delete_dhcp_ip_address_pool (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_delete_dhcp_ip_address_pool(  
    DhcpConfigId='string',  
    StartIpAddress='string',  
    StopIpAddress='string'  
)
```

Parameters

- **DhcpConfigId** (*string*) –
- **StartIpAddress** (*string*) –
- **StopIpAddress** (*string*) –

Return type dict**Returns****Response Syntax**

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_delete_dhcp_static_mapping (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_dhcp_static_mapping(  
    DhcpConfigId='string',  
    IpAddress='string',  
    MacAddress='string'  
)
```

Parameters

- **DhcpConfigId** (*string*) –
- **IpAddress** (*string*) –
- **MacAddress** (*string*) –

Return type dict**Returns****Response Syntax**

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_delete_elastic_load_balancer (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Protocol='string'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

nifty_delete_instance_snapshot (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_instance_snapshot(
    InstanceSnapshotId=[
        'string',
    ],
    SnapshotName=[
        'string',
    ]
)
```

Parameters

- **InstanceSnapshotId** (*list*) –
 - (*string*) –
- **SnapshotName** (*list*) –
 - (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'SnapshotInfoSet': [
```

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```

    {
        'CreatedTime': 'string',
        'ExpiredTime': 'string',
        'InstanceId': 'string',
        'InstanceSnapshotId': 'string',
        'Memo': 'string',
        'PowerStatus': 'string',
        'SnapshotName': 'string',
        'Status': 'string',
        'UpdatedTime': 'string'
    },
]
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **SnapshotInfoSet** (*list*) –
 - * (*dict*) –
 - **CreatedTime** (*string*) –
 - **ExpiredTime** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceSnapshotId** (*string*) –
 - **Memo** (*string*) –
 - **PowerStatus** (*string*) –
 - **SnapshotName** (*string*) –
 - **Status** (*string*) –
 - **UpdatedTime** (*string*) –

nifty_delete_nat_rule (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.nifty_delete_nat_rule(
    NatTableId='string',
    NatType='string',
    RuleNumber='string'
)

```

Parameters

- **NatTableId** (*string*) –
- **NatType** (*string*) –
- **RuleNumber** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

Response Structure

- (*dict*) –

- **RequestId** (*string*) -
- **Return** (*boolean*) -

nifty_delete_nat_table (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_delete_nat_table(
    NatTableId='string'
)
```

Parameters **NatTableId** (*string*) -

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) -
 - **RequestId** (*string*) -
 - **Return** (*boolean*) -

nifty_delete_private_lan (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_delete_private_lan(
    NetworkId='string',
    PrivateLanName='string'
)
```

Parameters

- **NetworkId** (*string*) -
- **PrivateLanName** (*string*) -

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) -
 - **RequestId** (*string*) -
 - **Return** (*boolean*) -

nifty_delete_router (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_delete_router(  
    RouterId='string',  
    RouterName='string'  
)
```

Parameters

- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict**Returns****Response Syntax**

```
{  
    'RequestId': 'string',  
    'Return': True|False  
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_delete_separate_instance_rule (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_separate_instance_rule(  
    SeparateInstanceRuleName='string'  
)
```

Parameters **SeparateInstanceRuleName** (*string*) –**Return type** dict**Returns****Response Syntax**

```
{  
    'RequestId': 'string',  
    'Return': 'string'  
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*string*) –

nifty_delete_web_proxy (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_delete_web_proxy(  
    Agreement=True|False,  
    RouterId='string',  
    RouterName='string'  
)
```

Parameters

- **Agreement** (*boolean*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_deregister_instances_from_elastic_load_balancer (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_deregister_instances_from_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    Protocol='string'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Instances** (*list*) –
 - (*dict*) –
 - * **InstanceId** (*string*) –
 - * **InstanceUniqueId** (*string*) –
- **Protocol** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'Instances': [
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        }
    ]
}
```

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```

    },
  ],
  'NiftyDeregisterInstancesFromElasticLoadBalancerResult': {
  ↪ '... recursive ...'},
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}

```

Response Structure

- (*dict*) –
 - **Instances** (*list*) –
 - * (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **NiftyDeregisterInstancesFromElasticLoadBalancerResult** (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

nifty_deregister_instances_from_separate_instance_rule (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_deregister_instances_from_separate_instance_rule(
    InstanceId=[
        'string',
    ],
    InstanceUniqueId=[
        'string',
    ],
    SeparateInstanceRuleName='string'
)

```

Parameters

- **InstanceId** (*list*) –
 - (*string*) –
- **InstanceUniqueId** (*list*) –
 - (*string*) –
- **SeparateInstanceRuleName** (*string*) –

Return type dict

Returns**Response Syntax**

```

{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
    },
  ],
}

```

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```

'BlockDeviceMapping': [
    {
        'DeviceName': 'string',
        'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',

```

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```

        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],

```

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```

        },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            }
        ],
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    }
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    }
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    }
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {

```

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```

        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **InstancesSet** (list) –
 - * (dict) –
 - **AccountingType** (string) –
 - **Admin** (string) –
 - **AmiLaunchIndex** (string) –
 - **Architecture** (string) –
 - **Autoscaling** (dict) –
 - **AutoScalingGroupName** (string) –
 - **ExpireTime** (datetime) –
 - **BlockDeviceMapping** (list) –
 - (dict) –
 - **DeviceName** (string) –
 - **Ebs** (dict) –
 - **AttachTime** (datetime) –
 - **DeleteOnTermination** (boolean) –
 - **SnapshotId** (string) –
 - **Status** (string) –
 - **VolumId** (string) –
 - **VolumeSize** (integer) –
 - **NoDevice** (string) –
 - **VirtualName** (string) –
 - **CopyInfo** (string) –
 - **CurrentState** (dict) –
 - **Code** (integer) –
 - **Name** (string) –
 - **Description** (string) –
 - **DeviceIndex** (integer) –
 - **DnsName** (string) –
 - **ExpireTime** (datetime) –
 - **HotAdd** (string) –
 - **ImageId** (string) –
 - **ImageName** (string) –
 - **InstanceId** (string) –
 - **InstanceLifecycle** (string) –
 - **InstanceState** (dict) –
 - **Code** (integer) –
 - **Name** (string) –
 - **InstanceType** (string) –
 - **InstanceUniqueId** (string) –
 - **IpAddress** (string) –

- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –

- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –

- **RootDeviceType** (*string*) –
 - **SpotInstanceRequestId** (*string*) –
 - **StateReason** (*dict*) –
 - **Code** (*integer*) –
 - **Message** (*string*) –
 - **SubnetId** (*string*) –
 - **Tenancy** (*string*) –
 - **VpcId** (*string*) –
- **RequestId** (*string*) –

nifty_deregister_routers_from_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_deregister_routers_from_security_group(
    GroupName='string',
    RouterSet=[
        {
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

Parameters

- **GroupName** (*string*) –
- **RouterSet** (*list*) –
 - (*dict*) –
 - * **RouterId** (*string*) –
 - * **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'RouterSet': [
        {
            'AccountingType': 'string',
            'AvailabilityZone': 'string',
            'CreatedTime': datetime(2015, 1, 1),
            'Description': 'string',
            'DeviceIndex': 123,
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'IpAddress': 'string',
            'NatTableAssociationId': 'string',
            'NatTableId': 'string',
            'NetworkInterfaceSet': [
                {
                    'Association': {
                        'AllocationId': 'string',
                        'AssociationId': 'string',
```

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```

        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        }
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ]

```

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```

        },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
],
'Type': 'string'
},
]
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **RouterSet** (*list*) –
 - * (*dict*) –
 - **AccountingType** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **CreatedTime** (*datetime*) –
 - **Description** (*string*) –
 - **DeviceIndex** (*integer*) –
 - **GroupSet** (*list*) –
 - (*dict*) –
 - **GroupId** (*string*) –
 - **IpAddress** (*string*) –
 - **NatTableAssociationId** (*string*) –
 - **NatTableId** (*string*) –
 - **NetworkInterfaceSet** (*list*) –
 - (*dict*) –
 - **Association** (*dict*) –
 - **AllocationId** (*string*) –
 - **AssociationId** (*string*) –
 - **IpOwnerId** (*string*) –

- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –

- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –

nifty_deregister_vpn_gateways_from_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_deregister_vpn_gateways_from_security_group(
    GroupName='string',
    RouterSet=[
        {
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

Parameters

- **GroupName** (*string*) –
- **RouterSet** (*list*) –
 - (*dict*) –
 - * **RouterId** (*string*) –
 - * **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'VpnGatewaySet': [
        {
            'AccountingType': 'string',
            'Attachments': [
                {
                    'State': 'string',
                    'VpcId': 'string'
                },
            ],
            'AvailabilityZone': 'string',
            'BackupInformation': {
                'ExpirationDate': datetime(2015, 1, 1),
```

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```

        'IsBackup': True|False
    },
    'CreatedTime': datetime(2015, 1, 1),
    'DeviceIndex': 123,
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'IpAddress': 'string',
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',

```

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```

        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'VersionInformation': {
    'IsLatest': True|False,
    'Version': 'string'
},
'VpnGatewayId': 'string'
}
]
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –

- **VpnGatewaySet** (*list*) -
 - * (*dict*) -
 - **AccountingType** (*string*) -
 - **Attachments** (*list*) -
 - (*dict*) -
 - **State** (*string*) -
 - **VpcId** (*string*) -
 - **AvailabilityZone** (*string*) -
 - **BackupInformation** (*dict*) -
 - **ExpirationDate** (*datetime*) -
 - **IsBackup** (*boolean*) -
 - **CreatedTime** (*datetime*) -
 - **DeviceIndex** (*integer*) -
 - **GroupSet** (*list*) -
 - (*dict*) -
 - **GroupId** (*string*) -
 - **IpAddress** (*string*) -
 - **NetworkInterfaceSet** (*list*) -
 - (*dict*) -
 - **Association** (*dict*) -
 - **AllocationId** (*string*) -
 - **AssociationId** (*string*) -
 - **IpOwnerId** (*string*) -
 - **PublicDnsName** (*string*) -
 - **PublicIp** (*string*) -
 - **PublicIpV6** (*string*) -
 - **Attachment** (*dict*) -
 - **AttachTime** (*datetime*) -
 - **AttachmentID** (*string*) -
 - **AttachmentId** (*string*) -
 - **DeleteOnTermination** (*boolean*) -
 - **DeviceIndex** (*integer*) -
 - **InstanceId** (*string*) -
 - **InstanceOwnerId** (*string*) -
 - **Status** (*string*) -
 - **AvailabilityZone** (*string*) -
 - **CidrBlock** (*string*) -
 - **Descriprion** (*string*) -
 - **Description** (*string*) -
 - **DeviceIndex** (*integer*) -
 - **Dhcp** (*boolean*) -
 - **DhcpOptionsId** (*string*) -
 - **GroupSet** (*list*) -
 - (*dict*) -
 - **GroupId** (*string*) -
 - **InterfaceType** (*string*) -
 - **IpAddress** (*string*) -
 - **Ipv6AddressesSet** (*list*) -
 - (*dict*) -
 - **Ipv6Address** (*string*) -
 - **MacAddress** (*string*) -
 - **NetworkId** (*string*) -
 - **NetworkInterfaceId** (*string*) -
 - **NetworkName** (*string*) -

- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –

nifty_describe_alarm_history (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_alarm_history(
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
```

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```

        'FromDate': 'string',
        'FunctionName': 'string',
        'RuleName': 'string',
        'Threshold': 123.0,
        'ToDate': 'string',
        'UpperLowerCondition': 'string'
    },
]
)

```

Parameters `Rule` (*list*) –

- (*dict*) –
 - **BreachDuration** (*integer*) –
 - **DataType** (*string*) –
 - **FromDate** (*string*) –
 - **FunctionName** (*string*) –
 - **RuleName** (*string*) –
 - **Threshold** (*float*) –
 - **ToDate** (*string*) –
 - **UpperLowerCondition** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
  'RequestId': 'string',
  'ReservationSet': [
    {
      'AlarmCondition': 'string',
      'AlarmDateHistorySet': [
        {
          'AlarmEventHistorySet': [
            {
              'AlarmEvent': 'string',
              'AlarmEventDatetime': ↵
↵ datetime(2015, 1, 1)
            },
          ],
          'Date': 'string'
        },
      ],
      'AlarmRulesActivitiesSet': [
        {
          'AlarmRulesActivitiesDateSet': [
            {
              'AlarmRulesActivitiesEventSet': [
                {
                  'AlarmRulesActivitiesEvent
↵ ': 'string',
↵ 'AlarmRulesActivitiesEventDatetime': datetime(2015, 1, 1),
                  'ResourceName': 'string',
                  'Value': 'string'
                },
              ],
            },
          ],
        },
      ],
    },
  ],
}

```

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```

        'Date': 'string'
    },
    ],
    'DataType': 'string'
},
],
'AlarmState': 'string',
'AlarmTargetsSet': [
    {
        'ResourceName': 'string'
    },
],
],
'CreatedTime': datetime(2015, 1, 1),
'Description': 'string',
'EmailAddressSet': [
    {
        'EmailAddress': 'string'
    },
],
],
'FunctionName': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'DeleteOnTermination': ↪
↪ True|False,
                    'SnapshotId': 'string',
                    'Status': 'string',
                    'VolumeId': 'string',
                    'VolumeSize': 123
                },
                'NoDevice': 'string',
                'VirtualName': 'string'
            },
        ],
        'CopyInfo': 'string',
        'CurrentState': {
            'Code': 123,
            'Name': 'string'
        },
    },
],
],

```

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```

'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↪
↪ True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Descriprion': 'string',

```

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```

'Description': 'string',
'DeviceIndex': 123,
'Dhcp': True|False,
'DhcpOptionsId': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InterfaceType': 'string',
'IpAddress': 'string',
'Ipv6AddressesSet': [
    {
        'Ipv6Address': 'string'
    },
],
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
    {
        'Association': {
            'AllocationId': 'string
↳ ',
            'AssociationId':
↳ 'string',
            'IpOwnerId': 'string',
            'PublicDnsName':
↳ 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string
↳ '
    },
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'

```

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```

        },
    ],
    'NextMonthAccountingType': 'string',
    'NiftyElasticLoadBalancing': [
        {
            'ElasticLoadBalancerId': 'string',
            'ElasticLoadBalancerName': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'Protocol': 'string'
        },
    ],
    'NiftyPrivateIpType': 'string',
    'NiftyPrivateNetworkType': 'string',
    'NiftySnapshotting': [
        {
            'State': 'string'
        },
    ],
    'Placement': {
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    'Platform': 'string',
    'PreviousState': {
        'Code': 123,
        'Name': 'string'
    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        },
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'OwnerId': 'string',
'ReservationId': 'string',
'RuleName': 'string',
'RuleSet': [
    {

```

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```

        'BreachDuration': 123,
        'DataType': 'string',
        'Threshold': 123.0,
        'UpperLowerCondition': 'string'
    },
    ],
    'Zone': 'string'
}

```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **ReservationSet** (*list*) –
 - * *(dict)* –
 - **AlarmCondition** (*string*) –
 - **AlarmDateHistorySet** (*list*) –
 - *(dict)* –
 - **AlarmEventHistorySet** (*list*) –
 - *(dict)* –
 - **AlarmEvent** (*string*) –
 - **AlarmEventDatetime** (*datetime*) –
 - **Date** (*string*) –
 - **AlarmRulesActivitiesSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesDateSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesEventSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesEvent** (*string*) –
 - **AlarmRulesActivitiesEventDatetime** (*datetime*) –
 - **ResourceName** (*string*) –
 - **Value** (*string*) –
 - **Date** (*string*) –
 - **DataType** (*string*) –
 - **AlarmState** (*string*) –
 - **AlarmTargetsSet** (*list*) –
 - *(dict)* –
 - **ResourceName** (*string*) –
 - **CreatedTime** (*datetime*) –
 - **Description** (*string*) –
 - **EmailAddressSet** (*list*) –
 - *(dict)* –
 - **EmailAddress** (*string*) –
 - **FunctionName** (*string*) –
 - **GroupSet** (*list*) –
 - *(dict)* –
 - **GroupId** (*string*) –
 - **InstancesSet** (*list*) –
 - *(dict)* –
 - **AccountingType** (*string*) –
 - **Admin** (*string*) –

- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- (*dict*) –
- **DeviceName** (*string*) –
- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –

- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –

- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **OwnerId** (*string*) –
- **ReservationId** (*string*) –
- **RuleName** (*string*) –
- **RuleSet** (*list*) –
- (*dict*) –
- **BreachDuration** (*integer*) –
- **DataType** (*string*) –
- **Threshold** (*float*) –
- **UpperLowerCondition** (*string*) –
- **Zone** (*string*) –

nifty_describe_alarm_rules_activities (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_alarm_rules_activities(
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
            'FromDate': 'string',
            'FunctionName': 'string',
            'RuleName': 'string',
            'Threshold': 123.0,
            'ToDate': 'string',
            'UpperLowerCondition': 'string'
        },
    ]
)
```

Parameters **Rule** (*list*) –

- (*dict*) –
 - **BreachDuration** (*integer*) –
 - **DataType** (*string*) –
 - **FromDate** (*string*) –
 - **FunctionName** (*string*) –
 - **RuleName** (*string*) –
 - **Threshold** (*float*) –
 - **ToDate** (*string*) –
 - **UpperLowerCondition** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmCondition': 'string',
            'AlarmDateHistorySet': [
                {
                    'AlarmEventHistorySet': [
                        {
                            'AlarmEvent': 'string',
                            'AlarmEventDatetime': ↵
↵ datetime(2015, 1, 1)
                        },
                    ],
                    'Date': 'string'
                },
            ],
            'AlarmRulesActivitiesSet': [
                {
                    'AlarmRulesActivitiesDateSet': [
                        {
                            'AlarmRulesActivitiesEventSet': [
                                {
```

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```

        'AlarmRulesActivitiesEvent
↪ ': 'string',
↪ 'AlarmRulesActivitiesEventDatetime': datetime(2015, 1, 1),
        'ResourceName': 'string',
        'Value': 'string'
    },
    ],
    'Date': 'string'
},
],
'DataType': 'string'
},
],
'AlarmState': 'string',
'AlarmTargetsSet': [
    {
        'ResourceName': 'string'
    },
],
'CreatedTime': datetime(2015, 1, 1),
'Description': 'string',
'EmailAddressSet': [
    {
        'EmailAddress': 'string'
    },
],
'FunctionName': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'DeleteOnTermination': ↪
↪ True|False,
                'SnapshotId': 'string',
                'Status': 'string',
                'VolumeId': 'string',
                'VolumeSize': 123
            },
            'NoDevice': 'string',

```

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```

        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↵ 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↵
↵ True|False,

```

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```

        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string
↪'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',

```

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```

        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',

```

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```

        'VpcId': 'string'
    },
],
'OwnerId': 'string',
'ReservationId': 'string',
'RuleName': 'string',
'RuleSet': [
    {
        'BreachDuration': 123,
        'DataType': 'string',
        'Threshold': 123.0,
        'UpperLowerCondition': 'string'
    },
],
'Zone': 'string'
},
]
}

```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **ReservationSet** (*list*) –
 - * *(dict)* –
 - **AlarmCondition** (*string*) –
 - **AlarmDateHistorySet** (*list*) –
 - *(dict)* –
 - **AlarmEventHistorySet** (*list*) –
 - *(dict)* –
 - **AlarmEvent** (*string*) –
 - **AlarmEventDatetime** (*datetime*) –
 - **Date** (*string*) –
 - **AlarmRulesActivitiesSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesDateSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesEventSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesEvent** (*string*) –
 - **AlarmRulesActivitiesEventDatetime** (*datetime*) –
 - **ResourceName** (*string*) –
 - **Value** (*string*) –
 - **Date** (*string*) –
 - **DataType** (*string*) –
 - **AlarmState** (*string*) –
 - **AlarmTargetsSet** (*list*) –
 - *(dict)* –
 - **ResourceName** (*string*) –
 - **CreatedTime** (*datetime*) –
 - **Description** (*string*) –
 - **EmailAddressSet** (*list*) –
 - *(dict)* –
 - **EmailAddress** (*string*) –
 - **FunctionName** (*string*) –

- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InstancesSet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **Admin** (*string*) –
- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- (*dict*) –
- **DeviceName** (*string*) –
- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –

- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –

- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **OwnerId** (*string*) –
- **ReservationId** (*string*) –
- **RuleName** (*string*) –

- **RuleSet** (*list*) –
- (*dict*) –
- **BreachDuration** (*integer*) –
- **DataType** (*string*) –
- **Threshold** (*float*) –
- **UpperLowerCondition** (*string*) –
- **Zone** (*string*) –

nifty_describe_alarms (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_alarms(
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
            'FromDate': 'string',
            'FunctionName': 'string',
            'RuleName': 'string',
            'Threshold': 123.0,
            'ToDate': 'string',
            'UpperLowerCondition': 'string'
        },
    ]
)
```

Parameters **Rule** (*list*) –

- (*dict*) –
 - **BreachDuration** (*integer*) –
 - **DataType** (*string*) –
 - **FromDate** (*string*) –
 - **FunctionName** (*string*) –
 - **RuleName** (*string*) –
 - **Threshold** (*float*) –
 - **ToDate** (*string*) –
 - **UpperLowerCondition** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'ReservationSet': [
        {
            'AlarmCondition': 'string',
            'AlarmDateHistorySet': [
                {
                    'AlarmEventHistorySet': [
                        {
                            'AlarmEvent': 'string',
                            'AlarmEventDatetime': ↵
                        }
                    ],
                    ↵
                }
            ],
            ↵
        }
    ],
    ↵
}
```

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```

        'Date': 'string'
    },
],
'AlarmRulesActivitiesSet': [
    {
        'AlarmRulesActivitiesDateSet': [
            {
                'AlarmRulesActivitiesEventSet': [
                    {
                        'AlarmRulesActivitiesEvent
↪ ': 'string',
↪ 'AlarmRulesActivitiesEventDatetime': datetime(2015, 1, 1),
                        'ResourceName': 'string',
                        'Value': 'string'
                    },
                ],
                'Date': 'string'
            },
        ],
        'DataType': 'string'
    },
],
'AlarmState': 'string',
'AlarmTargetsSet': [
    {
        'ResourceName': 'string'
    },
],
'CreatedTime': datetime(2015, 1, 1),
'Description': 'string',
'EmailAddressSet': [
    {
        'EmailAddress': 'string'
    },
],
'FunctionName': 'string',
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),

```

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```

        'DeleteOnTermination': True,
        'SnapshotId': 'string',
        'Status': 'string',
        'VolumeId': 'string',
        'VolumeSize': 123
    },
    'NoDevice': 'string',
    'VirtualName': 'string'
},
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    }
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        }
    }
]

```

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```

    },
    'Attachment': {
        'AttachTime': datetime(2015, 1,
↪ 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': ↪
↪ True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪ ',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',

```

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```

        'PrivateIpAddress': 'string'
    },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'
    },
    {
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    }
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    }
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    }
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',

```

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```

        'RootDeviceType': 'string',
        'SpotInstanceRequestId': 'string',
        'StateReason': {
            'Code': 123,
            'Message': 'string'
        },
        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'OwnerId': 'string',
'ReservationId': 'string',
'RuleName': 'string',
'RuleSet': [
    {
        'BreachDuration': 123,
        'DataType': 'string',
        'Threshold': 123.0,
        'UpperLowerCondition': 'string'
    },
],
'Zone': 'string'
},
]
}

```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **ReservationSet** (*list*) –
 - * *(dict)* –
 - **AlarmCondition** (*string*) –
 - **AlarmDateHistorySet** (*list*) –
 - *(dict)* –
 - **AlarmEventHistorySet** (*list*) –
 - *(dict)* –
 - **AlarmEvent** (*string*) –
 - **AlarmEventDatetime** (*datetime*) –
 - **Date** (*string*) –
 - **AlarmRulesActivitiesSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesDateSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesEventSet** (*list*) –
 - *(dict)* –
 - **AlarmRulesActivitiesEvent** (*string*) –
 - **AlarmRulesActivitiesEventDatetime** (*datetime*) –
 - **ResourceName** (*string*) –
 - **Value** (*string*) –
 - **Date** (*string*) –
 - **DataType** (*string*) –
 - **AlarmState** (*string*) –
 - **AlarmTargetsSet** (*list*) –
 - *(dict)* –

- **ResourceName** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –
- **EmailAddressSet** (*list*) –
- (*dict*) –
- **EmailAddress** (*string*) –
- **FunctionName** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InstancesSet** (*list*) –
- (*dict*) –
- **AccountingType** (*string*) –
- **Admin** (*string*) –
- **AmiLaunchIndex** (*string*) –
- **Architecture** (*string*) –
- **Autoscaling** (*dict*) –
- **AutoScalingGroupName** (*string*) –
- **ExpireTime** (*datetime*) –
- **BlockDeviceMapping** (*list*) –
- (*dict*) –
- **DeviceName** (*string*) –
- **Ebs** (*dict*) –
- **AttachTime** (*datetime*) –
- **DeleteOnTermination** (*boolean*) –
- **SnapshotId** (*string*) –
- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –

- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –

- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –

- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **OwnerId** (*string*) –
- **ReservationId** (*string*) –
- **RuleName** (*string*) –
- **RuleSet** (*list*) –
- (*dict*) –
- **BreachDuration** (*integer*) –
- **DataType** (*string*) –
- **Threshold** (*float*) –
- **UpperLowerCondition** (*string*) –
- **Zone** (*string*) –

nifty_describe_alarms_partitions (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_alarms_partitions(
    InstanceId=[
        'string',
    ]
)
```

Parameters **InstanceId** (*list*) –

- (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AlarmTargetSet': [
        {
            'InstanceId': 'string',
            'PartitionsSet': [
                {
                    'Partition': 'string'
                },
            ],
        },
    ],
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **AlarmTargetSet** (*list*) –
 - * (*dict*) –
 - **InstanceId** (*string*) –
 - **PartitionsSet** (*list*) –
 - (*dict*) –
 - **Partition** (*string*) –
 - **RequestId** (*string*) –

nifty_describe_auto_scaling_groups (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_auto_scaling_groups(
    AutoScalingGroupName=[
        'string',
    ]
)
```

Parameters `AutoScalingGroupName` (*list*) –

- (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AutoScalingReservationSet': [
        {
            'Alarm': 'string',
            'AutoScalingGroupName': 'string',
            'ChangeInCapacity': 123,
            'CreatedTime': datetime(2015, 1, 1),
            'DefaultCooldown': 123,
            'Description': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'ImageId': 'string',
            'InstanceLifecycleLimit': 123,
            'InstanceType': 'string',
            'InstancesSet': [
                {
                    'AccountingType': 'string',
                    'Admin': 'string',
                    'AmiLaunchIndex': 'string',
                    'Architecture': 'string',
                    'Autoscaling': {
                        'AutoScalingGroupName': 'string',
                        'ExpireTime': datetime(2015, 1, 1)
                    },
                    'BlockDeviceMapping': [
                        {
                            'DeviceName': 'string',
                            'Ebs': {
                                'AttachTime': datetime(2015, 1,
↪ 1),
                                'DeleteOnTermination': ↵
↪ True|False,
                                'SnapshotId': 'string',
                                'Status': 'string',
                                'VolumeId': 'string',
                                'VolumeSize': 123
                            },
                            'NoDevice': 'string',
```

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```

        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    }
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↵ 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↵
↵ True|False,

```

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```

        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string
↪'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',

```

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```

        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'

        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',

```

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```

        'VpcId': 'string'
    },
],
'LoadBalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123
    },
],
'MaxSize': 123,
'MinSize': 123,
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Scaleout': 123,
'ScaleoutCondition': 'string',
'ScheduleSet': [
    {
        'DDay': {
            'EndingDDay': 'string',
            'StartingDDay': 'string'
        },
        'Day': {
            'SetFriday': 'string',
            'SetMonday': 'string',
            'SetSaturday': 'string',
            'SetSunday': 'string',
            'SetThursday': 'string',
            'SetTuesday': 'string',
            'SetWednesday': 'string'
        },
        'Month': {
            'EndingMonth': 'string',
            'StartingMonth': 'string'
        },
        'TimeZone': {
            'EndingTimeZone': 'string',
            'StartingTimeZone': 'string'
        }
    },
],
'TriggerSet': [
    {
        'BreachDuration': 123,
        'Resource': 'string',
        'UpperThreshold': 123.0
    },
],
],
'RequestId': 'string'
}

```

Response Structure

- (*dict*) –

- **AutoScalingReservationSet** (*list*) -
 - * (*dict*) -
 - **Alarm** (*string*) -
 - **AutoScalingGroupName** (*string*) -
 - **ChangeInCapacity** (*integer*) -
 - **CreatedTime** (*datetime*) -
 - **DefaultCooldown** (*integer*) -
 - **Description** (*string*) -
 - **GroupSet** (*list*) -
 - (*dict*) -
 - **GroupId** (*string*) -
 - **ImageId** (*string*) -
 - **InstanceLifecycleLimit** (*integer*) -
 - **InstanceType** (*string*) -
 - **InstancesSet** (*list*) -
 - (*dict*) -
 - **AccountingType** (*string*) -
 - **Admin** (*string*) -
 - **AmiLaunchIndex** (*string*) -
 - **Architecture** (*string*) -
 - **Autoscaling** (*dict*) -
 - **AutoScalingGroupName** (*string*) -
 - **ExpireTime** (*datetime*) -
 - **BlockDeviceMapping** (*list*) -
 - (*dict*) -
 - **DeviceName** (*string*) -
 - **Ebs** (*dict*) -
 - **AttachTime** (*datetime*) -
 - **DeleteOnTermination** (*boolean*) -
 - **SnapshotId** (*string*) -
 - **Status** (*string*) -
 - **VolumeId** (*string*) -
 - **VolumeSize** (*integer*) -
 - **NoDevice** (*string*) -
 - **VirtualName** (*string*) -
 - **CopyInfo** (*string*) -
 - **CurrentState** (*dict*) -
 - **Code** (*integer*) -
 - **Name** (*string*) -
 - **Description** (*string*) -
 - **DeviceIndex** (*integer*) -
 - **DnsName** (*string*) -
 - **ExpireTime** (*datetime*) -
 - **HotAdd** (*string*) -
 - **ImageId** (*string*) -
 - **ImageName** (*string*) -
 - **InstanceId** (*string*) -
 - **InstanceLifecycle** (*string*) -
 - **InstanceState** (*dict*) -
 - **Code** (*integer*) -
 - **Name** (*string*) -
 - **InstanceType** (*string*) -
 - **InstanceUniqueId** (*string*) -
 - **IpAddress** (*string*) -

- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –

- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –

- **RootDeviceType** (*string*) –
 - **SpotInstanceRequestId** (*string*) –
 - **StateReason** (*dict*) –
 - **Code** (*integer*) –
 - **Message** (*string*) –
 - **SubnetId** (*string*) –
 - **Tenancy** (*string*) –
 - **VpcId** (*string*) –
 - **LoadBalancing** (*list*) –
 - (*dict*) –
 - **InstancePort** (*integer*) –
 - **LoadBalancerName** (*string*) –
 - **LoadBalancerPort** (*integer*) –
 - **MaxSize** (*integer*) –
 - **MinSize** (*integer*) –
 - **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –
 - **Scaleout** (*integer*) –
 - **ScaleoutCondition** (*string*) –
 - **ScheduleSet** (*list*) –
 - (*dict*) –
 - **DDay** (*dict*) –
 - **EndingDDay** (*string*) –
 - **StartingDDay** (*string*) –
 - **Day** (*dict*) –
 - **SetFriday** (*string*) –
 - **SetMonday** (*string*) –
 - **SetSaturday** (*string*) –
 - **SetSunday** (*string*) –
 - **SetThursday** (*string*) –
 - **SetTuesday** (*string*) –
 - **SetWednesday** (*string*) –
 - **Month** (*dict*) –
 - **EndingMonth** (*string*) –
 - **StartingMonth** (*string*) –
 - **TimeZone** (*dict*) –
 - **EndingTimeZone** (*string*) –
 - **StartingTimeZone** (*string*) –
 - **TriggerSet** (*list*) –
 - (*dict*) –
 - **BreachDuration** (*integer*) –
 - **Resource** (*string*) –
 - **UpperThreshold** (*float*) –
- **RequestId** (*string*) –

nifty_describe_corporate_info_for_certificate()

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_corporate_info_for_certificate()
```

Return type dict

Returns

Response Syntax

```
{
  'City': 'string',
  'CorpGrade': 'string',
  'CorpName': 'string',
  'DivisionName': 'string',
  'KanaName1': 'string',
  'KanaName2': 'string',
  'Name1': 'string',
  'Name2': 'string',
  'PostName': 'string',
  'Pref': 'string',
  'PresidentName1': 'string',
  'PresidentName2': 'string',
  'RequestId': 'string',
  'TdbCode': 'string',
  'Zip1': 'string',
  'Zip2': 'string'
}
```

Response Structure

- (dict) –
 - **City** (string) –
 - **CorpGrade** (string) –
 - **CorpName** (string) –
 - **DivisionName** (string) –
 - **KanaName1** (string) –
 - **KanaName2** (string) –
 - **Name1** (string) –
 - **Name2** (string) –
 - **PostName** (string) –
 - **Pref** (string) –
 - **PresidentName1** (string) –
 - **PresidentName2** (string) –
 - **RequestId** (string) –
 - **TdbCode** (string) –
 - **Zip1** (string) –
 - **Zip2** (string) –

nifty_describe_dhcp_configs (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_dhcp_configs(
    DhcpConfigId='string',
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ]
)
```

Parameters

- **DhcpConfigId** (*string*) –
- **Filter** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'DhcpConfigsSet': [
    {
      'DhcpConfigId': 'string',
      'IpAddressPoolsSet': [
        {
          'Description': 'string',
          'StartIpAddress': 'string',
          'StopIpAddress': 'string'
        },
      ],
      'StaticMappingsSet': [
        {
          'Description': 'string',
          'IpAddress': 'string',
          'MacAddress': 'string'
        },
      ],
    },
  ],
  'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **DhcpConfigsSet** (*list*) –
 - * (*dict*) –
 - **DhcpConfigId** (*string*) –
 - **IpAddressPoolsSet** (*list*) –
 - (*dict*) –
 - **Description** (*string*) –
 - **StartIpAddress** (*string*) –
 - **StopIpAddress** (*string*) –
 - **StaticMappingsSet** (*list*) –
 - (*dict*) –
 - **Description** (*string*) –
 - **IpAddress** (*string*) –
 - **MacAddress** (*string*) –
 - **RequestId** (*string*) –

nifty_describe_dhcp_status (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_dhcp_status(
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
  'DhcpStatusInformationSet': [
    {
      'DhcpIpAddressInformationSet': {
        'DhcpIpAddressSet': [
          {
            'Description': 'string',
            'StartIpAddress': 'string',
            'StopIpAddress': 'string'
          },
        ],
        'IpAddressPoolSet': [
          {
            'Description': 'string',
            'StartIpAddress': 'string',
            'StopIpAddress': 'string'
          },
        ],
      },
      'NetworkId': 'string',
      'PrivateLanName': 'string'
    },
  ],
  'RequestId': 'string',
  'RouterId': 'string',
  'RouterName': 'string'
}
```

Response Structure

- (*dict*) –
 - **DhcpStatusInformationSet** (*list*) –
 - * (*dict*) –
 - **DhcpIpAddressInformationSet** (*dict*) –
 - **DhcpIpAddressSet** (*list*) –
 - (*dict*) –
 - **Description** (*string*) –
 - **StartIpAddress** (*string*) –
 - **StopIpAddress** (*string*) –
 - **IpAddressPoolSet** (*list*) –
 - (*dict*) –
 - **Description** (*string*) –
 - **StartIpAddress** (*string*) –
 - **StopIpAddress** (*string*) –
 - **NetworkId** (*string*) –

- **PrivateLanName** (*string*) –
- **RequestId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

nifty_describe_elastic_load_balancers (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_elastic_load_balancers(  
    ElasticLoadBalancers={  
        'RequestElasticLoadBalancerId': [  
            'string',  
        ],  
        'RequestElasticLoadBalancerName': [  
            'string',  
        ],  
        'RequestElasticLoadBalancerPort': [  
            123,  
        ],  
        'RequestInstancePort': [  
            123,  
        ],  
        'RequestProtocol': [  
            'string',  
        ]  
    },  
    Filter=[  
        {  
            'Name': 'string',  
            'RequestValue': [  
                'string',  
            ]  
        },  
    ]  
)
```

Parameters

- **ElasticLoadBalancers** (*dict*) –
 - **RequestElasticLoadBalancerId** (*list*) –
 - * (*string*) –
 - **RequestElasticLoadBalancerName** (*list*) –
 - * (*string*) –
 - **RequestElasticLoadBalancerPort** (*list*) –
 - * (*integer*) –
 - **RequestInstancePort** (*list*) –
 - * (*integer*) –
 - **RequestProtocol** (*list*) –
 - * (*string*) –
- **Filter** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```

{
  'ElasticLoadBalancerDescriptions': [
    {
      'AccountingType': 'string',
      'AvailabilityZones': [
        'string',
      ],
      'CreatedTime': datetime(2015, 1, 1),
      'DNSName': 'string',
      'ELBVersionInformation': {
        'IsLatest': True|False,
        'Version': True|False
      },
      'ElasticLoadBalancerId': 'string',
      'ElasticLoadBalancerListenerDescriptions': [
        {
          'Listener': {
            'BalancingType': 123,
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'HealthCheck': {
              'HealthyThreshold': 123,
              'InstanceStates': [
                {
                  'Description': 'string',
                  'InstanceId': 'string',
                  'InstanceUniqueId': 'string',
                  'ReasonCode': 'string',
                  'State': 'string'
                },
              ],
            },
            'Interval': 123,
            'Target': 'string',
            'Timeout': 123,
            'UnhealthyThreshold': 123
          },
          'InstancePort': 123,
          'Instances': [
            {
              'InstanceId': 'string',
              'InstanceUniqueId': 'string'
            },
          ],
          'LoadBalancerPort': 123,
          'Protocol': 'string',
          'SSLCertificateId': 'string',
          'SessionStickinessPolicy': {
            'Enabled': True|False,
            'ExpirationPeriod': 123,
            'Method': 123
          },
          'SorryPage': {
            'Enabled': True|False,
            'RedirectUrl': 'string',
            'StatusCode': 123
          },

```

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```

        }
    },
    ],
    'ElasticLoadBalancerName': 'string',
    'NetworkInterfaces': [
        {
            'Description': 'string',
            'DeviceIndex': 123,
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string'
        },
    ],
    'NetworkVolume': 'string',
    'NextMonthAccountingType': 'string',
    'State': 'string'
},
],
'NiftyDescribeElasticLoadBalancersResult': {'... recursive_
→...'},
'ResponseMetadata': {
    'RequestId': 'string'
}
}

```

Response Structure

- (dict) –
 - **ElasticLoadBalancerDescriptions** (list) –
 - * (dict) –
 - **AccountingType** (string) –
 - **AvailabilityZones** (list) –
 - (string) –
 - **CreatedTime** (datetime) –
 - **DNSName** (string) –
 - **ELBVersionInformation** (dict) –
 - **IsLatest** (boolean) –
 - **Version** (boolean) –
 - **ElasticLoadBalancerId** (string) –
 - **ElasticLoadBalancerListenerDescriptions** (list) –
 - (dict) –
 - **Listener** (dict) –
 - **BalancingType** (integer) –
 - **Description** (string) –
 - **ElasticLoadBalancerPort** (integer) –
 - **HealthCheck** (dict) –
 - **HealthyThreshold** (integer) –
 - **InstanceStates** (list) –
 - (dict) –
 - **Description** (string) –
 - **InstanceId** (string) –
 - **InstanceUniqueId** (string) –
 - **ReasonCode** (string) –
 - **State** (string) –

- **Interval** (*integer*) –
- **Target** (*string*) –
- **Timeout** (*integer*) –
- **UnhealthyThreshold** (*integer*) –
- **InstancePort** (*integer*) –
- **Instances** (*list*) –
- (*dict*) –
- **InstanceId** (*string*) –
- **InstanceUniqueId** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **Protocol** (*string*) –
- **SSLCertificateId** (*string*) –
- **SessionStickinessPolicy** (*dict*) –
- **Enabled** (*boolean*) –
- **ExpirationPeriod** (*integer*) –
- **Method** (*integer*) –
- **SorryPage** (*dict*) –
- **Enabled** (*boolean*) –
- **RedirectUrl** (*string*) –
- **StatusCode** (*integer*) –
- **ElasticLoadBalancerName** (*string*) –
- **NetworkInterfaces** (*list*) –
- (*dict*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **IpAddress** (*string*) –
- **IsVipNetwork** (*boolean*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **NetworkVolume** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **State** (*string*) –
- **NiftyDescribeElasticLoadBalancersResult** (*dict*) –
- **ResponseMetadata** (*dict*) –
- * **RequestId** (*string*) –

`nifty_describe_instance_elastic_load_balancer_health(**kwargs)`

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_instance_elastic_load_balancer_health(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    Protocol='string'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Instances** (*list*) –
 - (*dict*) –
 - * **InstanceId** (*string*) –
 - * **InstanceUniqueId** (*string*) –
- **Protocol** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'InstanceStates': [
    {
      'Description': 'string',
      'InstanceId': 'string',
      'InstanceUniqueId': 'string',
      'ReasonCode': 'string',
      'State': 'string'
    },
  ],
  'NiftyDescribeInstanceElasticLoadBalancerHealthResult': {'.'.
↪ .. recursive ...'},
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **InstanceStates** (*list*) –
 - * (*dict*) –
 - **Description** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **ReasonCode** (*string*) –
 - **State** (*string*) –
 - **NiftyDescribeInstanceElasticLoadBalancerHealthResult** (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

nifty_describe_instance_snapshots (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_instance_snapshots(
    InstanceSnapshotId=[
        'string',
    ],
    SnapshotName=[
        'string',
    ]
)
```


Parameters

- **InstanceSnapshotId** (*list*) –
– (*string*) –
- **SnapshotName** (*list*) –
– (*string*) –

Return type dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'SnapshotInfoSet': [
    {
      'CreatedTime': 'string',
      'ExpiredTime': 'string',
      'InstanceId': 'string',
      'InstanceSnapshotId': 'string',
      'Memo': 'string',
      'PowerStatus': 'string',
      'SnapshotName': 'string',
      'Status': 'string',
      'UpdatedTime': 'string'
    }
  ]
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **SnapshotInfoSet** (*list*) –
 - * (*dict*) –
 - **CreatedTime** (*string*) –
 - **ExpiredTime** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceSnapshotId** (*string*) –
 - **Memo** (*string*) –
 - **PowerStatus** (*string*) –
 - **SnapshotName** (*string*) –
 - **Status** (*string*) –
 - **UpdatedTime** (*string*) –

nifty_describe_nat_tables (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_describe_nat_tables(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        }
    ],
    NatTableId=[
```

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```

        'string',
    ]
)

```

Parameters

- **Filter** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –
- **NatTableId** (*list*) –
 - (*string*) –

Return type dict**Returns****Response Syntax**

```

{
  'NatTableSet': [
    {
      'AssociationSet': [
        {
          'AssociationId': 'string',
          'Main': True|False,
          'NatTableId': 'string',
          'RouteTableAssociationId': 'string',
          'RouteTableId': 'string',
          'RouterId': 'string',
          'RouterName': 'string',
          'SubnetId': 'string'
        },
      ],
      'NatRuleSet': [
        {
          'Description': 'string',
          'Destination': {
            'Address': 'string',
            'Port': 123
          },
          'InboundInterface': {
            'NetworkId': 'string',
            'NetworkName': 'string'
          },
          'NatType': 'string',
          'OutboundInterface': {
            'NetworkId': 'string',
            'NetworkName': 'string'
          },
          'Protocol': 'string',
          'RuleNumber': 'string',
          'Source': {
            'Address': 'string',
            'Port': 123
          },
          'Translation': {
            'Address': 'string',

```

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```

        'Port': 123
    },
    ],
    'NatTableId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    ],
    },
    ],
    'RequestId': 'string'
}

```

Response Structure

- *(dict)* –
 - **NatTableSet** (*list*) –
 - * *(dict)* –
 - **AssociationSet** (*list*) –
 - *(dict)* –
 - **AssociationId** (*string*) –
 - **Main** (*boolean*) –
 - **NatTableId** (*string*) –
 - **RouteTableAssociationId** (*string*) –
 - **RouteTableId** (*string*) –
 - **RouterId** (*string*) –
 - **RouterName** (*string*) –
 - **SubnetId** (*string*) –
 - **NatRuleSet** (*list*) –
 - *(dict)* –
 - **Description** (*string*) –
 - **Destination** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –
 - **InboundInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
 - **NatType** (*string*) –
 - **OutboundInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
 - **Protocol** (*string*) –
 - **RuleNumber** (*string*) –
 - **Source** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –
 - **Translation** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –
 - **NatTableId** (*string*) –
 - **TagSet** (*list*) –
 - *(dict)* –

- **Key** (*string*) –
- **Value** (*string*) –
- **RequestId** (*string*) –

nifty_describe_performance_chart (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_performance_chart(  
    DataType=[  
        'string',  
    ],  
    fromDate='string',  
    functionName='string',  
    resourceName=[  
        'string',  
    ],  
    toDate='string',  
    valueType='string'  
)
```

Parameters

- **DataType** (*list*) –
 - (*string*) –
- **FromDate** (*string*) –
- **FunctionName** (*string*) –
- **ResourceName** (*list*) –
 - (*string*) –
- **ToDate** (*string*) –
- **ValueType** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'FunctionName': 'string',  
    'PerformanceChartSet': [  
        {  
            'DataSet': [  
                {  
                    'DateTime': 'string',  
                    'Value': 'string'  
                },  
            ],  
            'DataType': 'string',  
            'ResourceName': 'string'  
        },  
    ],  
    'RequestId': 'string',  
    'ValueType': 'string'  
}
```

Response Structure

- (*dict*) –
 - **FunctionName** (*string*) –
 - **PerformanceChartSet** (*list*) –

- * (dict) –
 - **DataSet** (list) –
 - (dict) –
 - **DateTime** (string) –
 - **Value** (string) –
 - **DataType** (string) –
 - **ResourceName** (string) –
- **RequestId** (string) –
- **ValueType** (string) –

nifty_describe_private_lans (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_private_lans(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    NetworkId=[
        'string',
    ],
    PrivateLanName=[
        'string',
    ]
)
```

Parameters

- **Filter** (list) –
 - (dict) –
 - * **Name** (string) –
 - * **RequestValue** (list) –
 - (string) –
- **NetworkId** (list) –
 - (string) –
- **PrivateLanName** (list) –
 - (string) –

Return type dict

Returns

Response Syntax

```
{
  'PrivateLanSet': [
    {
      'AccountingType': 'string',
      'AvailabilityZone': 'string',
      'CidrBlock': 'string',
      'CreatedTime': datetime(2015, 1, 1),
      'Description': 'string',
      'ElasticLoadBalancingSet': [
        {
```

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```

        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'InstancesSet': [
    {
        'AccountingType': 'string',
        'Admin': 'string',
        'AmiLaunchIndex': 'string',
        'Architecture': 'string',
        'Autoscaling': {
            'AutoScalingGroupName': 'string',
            'ExpireTime': datetime(2015, 1, 1)
        },
        'BlockDeviceMapping': [
            {
                'DeviceName': 'string',
                'Ebs': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'DeleteOnTermination': ↵
↪ True|False,
                    'SnapshotId': 'string',
                    'Status': 'string',
                    'VolumeId': 'string',
                    'VolumeSize': 123
                },
                'NoDevice': 'string',
                'VirtualName': 'string'
            },
        ],
        'CopyInfo': 'string',
        'CurrentState': {
            'Code': 123,
            'Name': 'string'
        },
        'Description': 'string',
        'DeviceIndex': 123,
        'DnsName': 'string',
        'ExpireTime': datetime(2015, 1, 1),
        'HotAdd': 'string',
        'ImageId': 'string',
        'ImageName': 'string',
        'InstanceId': 'string',
        'InstanceLifecycle': 'string',
        'InstanceState': {
            'Code': 123,
            'Name': 'string'
        },
        'InstanceType': 'string',
        'InstanceUniqueId': 'string',
        'IpAddress': 'string',
        'IpAddressV6': 'string',
        'IpType': 'string',
        'KernelId': 'string',

```

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```

'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),

            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↵

↪ True|False,

            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Descriprion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',

```

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```

        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string
↵',
                    'AssociationId':
↵'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName':
↵'string',
                    'PublicIp': 'string',
                    'PublicIPv6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string
↵'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string
↵',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],

```

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```

    ],
    'Placement': {
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    'Platform': 'string',
    'PreviousState': {
        'Code': 123,
        'Name': 'string'
    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        },
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'NetworkId': 'string',
'PrivateLanName': 'string',
'RouterSet': [
    {
        'AccountingType': 'string',
        'AvailabilityZone': 'string',
        'CreatedTime': datetime(2015, 1, 1),
        'Description': 'string',
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
    },
],
'IpAddress': 'string',
'NatTableAssociationId': 'string',
'NatTableId': 'string',
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',

```

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```

        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1,
↪ 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': ↪
↪ True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string
↪ ',
                'AssociationId':
↪ 'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
↪ 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },

```

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```

        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    }
],
'Type': 'string'
},
],
'SharingStatus': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    }
],
],
'VpnGatewaySet': [
    {
        'AccountingType': 'string',
        'Attachments': [
            {
                'State': 'string',
                'VpcId': 'string'
            }
        ],
        'AvailabilityZone': 'string',
        'BackupInformation': {
            'ExpirationDate': datetime(2015, 1, 1),
            'IsBackup': True|False
        }
    }
],

```

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```

'CreatedTime': datetime(2015, 1, 1),
'DeviceIndex': 123,
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'IpAddress': 'string',
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),

            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': ↵

            ↪ True|False,

            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',

```

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```

        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string
↵',
                    'AssociationId':
↵'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName':
↵'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string
↵'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string',
'VersionInformation': {
    'IsLatest': True|False,
    'Version': 'string'
},
'VpnGatewayId': 'string'
},
]
},

```

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```

],
  'RequestId': 'string'
}

```

Response Structure

- *(dict)* –
 - **PrivateLanSet** (*list*) –
 - * *(dict)* –
 - **AccountingType** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **CidrBlock** (*string*) –
 - **CreatedTime** (*datetime*) –
 - **Description** (*string*) –
 - **ElasticLoadBalancingSet** (*list*) –
 - *(dict)* –
 - **ElasticLoadBalancerName** (*string*) –
 - **ElasticLoadBalancerPort** (*integer*) –
 - **InstancePort** (*integer*) –
 - **Protocol** (*string*) –
 - **InstancesSet** (*list*) –
 - *(dict)* –
 - **AccountingType** (*string*) –
 - **Admin** (*string*) –
 - **AmiLaunchIndex** (*string*) –
 - **Architecture** (*string*) –
 - **Autoscaling** (*dict*) –
 - **AutoScalingGroupName** (*string*) –
 - **ExpireTime** (*datetime*) –
 - **BlockDeviceMapping** (*list*) –
 - *(dict)* –
 - **DeviceName** (*string*) –
 - **Ebs** (*dict*) –
 - **AttachTime** (*datetime*) –
 - **DeleteOnTermination** (*boolean*) –
 - **SnapshotId** (*string*) –
 - **Status** (*string*) –
 - **VolumeId** (*string*) –
 - **VolumeSize** (*integer*) –
 - **NoDevice** (*string*) –
 - **VirtualName** (*string*) –
 - **CopyInfo** (*string*) –
 - **CurrentState** (*dict*) –
 - **Code** (*integer*) –
 - **Name** (*string*) –
 - **Description** (*string*) –
 - **DeviceIndex** (*integer*) –
 - **DnsName** (*string*) –
 - **ExpireTime** (*datetime*) –
 - **HotAdd** (*string*) –
 - **ImageId** (*string*) –
 - **ImageName** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceLifecycle** (*string*) –

- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –

- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –

- *(dict)* –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **NetworkId** (*string*) –
- **PrivateLanName** (*string*) –
- **RouterSet** (*list*) –
- *(dict)* –
- **AccountingType** (*string*) –
- **AvailabilityZone** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- *(dict)* –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NatTableAssociationId** (*string*) –
- **NatTableId** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- *(dict)* –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –

- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **SharingStatus** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –

- *(dict)* –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpnGatewaySet** (*list*) –
- *(dict)* –
- **AccountingType** (*string*) –
- **Attachments** (*list*) –
- *(dict)* –
- **State** (*string*) –
- **VpcId** (*string*) –
- **AvailabilityZone** (*string*) –
- **BackupInformation** (*dict*) –
- **ExpirationDate** (*datetime*) –
- **IsBackup** (*boolean*) –
- **CreatedTime** (*datetime*) –
- **DeviceIndex** (*integer*) –
- **GroupSet** (*list*) –
- *(dict)* –
- **GroupId** (*string*) –
- **IpAddress** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- *(dict)* –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- *(dict)* –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- *(dict)* –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –

- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –
- **RequestId** (*string*) –

nifty_describe_routers (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_describe_routers(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ]
)

```

Parameters

- **Filter** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –
- **RouterId** (*list*) –
 - (*string*) –
- **RouterName** (*list*) –
 - (*string*) –

Return type dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'RouterSet': [
        {
            'AccountingType': 'string',
            'AvailabilityZone': 'string',
            'CreatedTime': datetime(2015, 1, 1),
            'Description': 'string',
            'DeviceIndex': 123,
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'IpAddress': 'string',
            'NatTableAssociationId': 'string',
            'NatTableId': 'string',
            'NetworkInterfaceSet': [
                {
                    'Association': {
                        'AllocationId': 'string',
                        'AssociationId': 'string',
                        'IpOwnerId': 'string',
                        'PublicDnsName': 'string',
                        'PublicIp': 'string',

```

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```

        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descripriion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        }
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'RequesterId': 'string',

```

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```

        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string'
},
]
}

```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **RouterSet** (*list*) –
 - * *(dict)* –
 - **AccountingType** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **CreatedTime** (*datetime*) –
 - **Description** (*string*) –
 - **DeviceIndex** (*integer*) –
 - **GroupSet** (*list*) –
 - *(dict)* –
 - **GroupId** (*string*) –
 - **IpAddress** (*string*) –
 - **NatTableAssociationId** (*string*) –
 - **NatTableId** (*string*) –
 - **NetworkInterfaceSet** (*list*) –
 - *(dict)* –
 - **Association** (*dict*) –
 - **AllocationId** (*string*) –
 - **AssociationId** (*string*) –
 - **IpOwnerId** (*string*) –
 - **PublicDnsName** (*string*) –
 - **PublicIp** (*string*) –
 - **PublicIpV6** (*string*) –

- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –

- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –

nifty_describe_scaling_activities (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_scaling_activities(
    ActivityDateFrom='string',
    ActivityDateTo='string',
    AutoScalingGroupName='string',
    Range={
        'All': True|False,
        'EndNumber': 123,
        'StartNumber': 123
    }
)
```

Parameters

- **ActivityDateFrom** (*string*) –
- **ActivityDateTo** (*string*) –
- **AutoScalingGroupName** (*string*) –
- **Range** (*dict*) –
 - **All** (*boolean*) –
 - **EndNumber** (*integer*) –
 - **StartNumber** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'AutoScalingGroupName': 'string',
    'LogSet': [
        {
            'Details': {
                'ChangeInCapacity': 123,
                'CurrentServersCount': 123,
                'Resource': 'string',
                'UpperThreshold': 123.0
            },
            'Process': 'string',
            'Time': datetime(2015, 1, 1)
        },
    ],
}
```

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```

    'RequestId': 'string'
}

```

Response Structure

- *(dict)* –
 - **AutoScalingGroupName** (*string*) –
 - **LogSet** (*list*) –
 - * *(dict)* –
 - **Details** (*dict*) –
 - **ChangeInCapacity** (*integer*) –
 - **CurrentServersCount** (*integer*) –
 - **Resource** (*string*) –
 - **UpperThreshold** (*float*) –
 - **Process** (*string*) –
 - **Time** (*datetime*) –
 - **RequestId** (*string*) –

nifty_describe_separate_instance_rules (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_describe_separate_instance_rules(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    SeparateInstanceRuleName=[
        'string',
    ]
)

```

Parameters

- **Filter** (*list*) –
 - *(dict)* –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –
- **SeparateInstanceRuleName** (*list*) –
 - (*string*) –

Return type dict

Returns**Response Syntax**

```

{
    'RequestId': 'string',
    'SeparateInstanceRulesInfo': [
        {
            'AvailabilityZone': 'string',
            'InstancesSet': [
                {

```

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```

'AccountingType': 'string',
'Admin': 'string',
'AmiLaunchIndex': 'string',
'Architecture': 'string',
'Autoscaling': {
    'AutoScalingGroupName': 'string',
    'ExpireTime': datetime(2015, 1, 1)
},
'BlockDeviceMapping': [
    {
        'DeviceName': 'string',
        'Ebs': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'DeleteOnTermination': ↪
↪ True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
        },
        'NoDevice': 'string',
        'VirtualName': 'string'
    },
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    }
]

```

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```

    },
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1,
↪ 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': ↪
↪ True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Descriprion': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [
                {
                    'Ipv6Address': 'string'
                },
            ],
            'MacAddress': 'string',
            'NetworkId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkName': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'PrivateIpAddressesSet': [

```

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```

        {
            'Association': {
                'AllocationId': 'string'
                ↪',
                'AssociationId':
                ↪'string',
                'IpOwnerId': 'string',
                'PublicDnsName':
                ↪'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
            ↪'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string'
        ↪',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,

```

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```

        'Name': 'string'
    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        },
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
    },
],
'SeparateInstanceRuleDescription': 'string',
'SeparateInstanceRuleName': 'string',
'SeparateInstanceRuleStatus': 'string'
},
]
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **SeparateInstanceRulesInfo** (*list*) –
 - * (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **InstancesSet** (*list*) –
 - (*dict*) –
 - **AccountingType** (*string*) –
 - **Admin** (*string*) –
 - **AmiLaunchIndex** (*string*) –
 - **Architecture** (*string*) –
 - **Autoscaling** (*dict*) –
 - **AutoScalingGroupName** (*string*) –
 - **ExpireTime** (*datetime*) –
 - **BlockDeviceMapping** (*list*) –
 - (*dict*) –
 - **DeviceName** (*string*) –
 - **Ebs** (*dict*) –
 - **AttachTime** (*datetime*) –
 - **DeleteOnTermination** (*boolean*) –
 - **SnapshotId** (*string*) –
 - **Status** (*string*) –

- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –

- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –

- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **SeparateInstanceRuleDescription** (*string*) –
- **SeparateInstanceRuleName** (*string*) –
- **SeparateInstanceRuleStatus** (*string*) –

nifty_describe_vpn_gateway_activities (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_describe_vpn_gateway_activities(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'AnalyzeResultSet': [
        {
```

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```

        'AnalyzeCode': 'string',
        'Line': 'string'
    },
],
'Log': 'string',
'NiftyVpnGatewayName': 'string',
'RequestId': 'string',
'VpnGatewayId': 'string'
}

```

Response Structure

- *(dict)* –
 - **AnalyzeResultSet** (*list*) –
 - * *(dict)* –
 - **AnalyzeCode** (*string*) –
 - **Line** (*string*) –
 - **Log** (*string*) –
 - **NiftyVpnGatewayName** (*string*) –
 - **RequestId** (*string*) –
 - **VpnGatewayId** (*string*) –

nifty_describe_web_proxies (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_describe_web_proxies(
    Filter=[
        {
            'Name': 'string',
            'RequestValue': [
                'string',
            ]
        },
    ],
    RouterId=[
        'string',
    ],
    RouterName=[
        'string',
    ]
)

```

Parameters

- **Filter** (*list*) –
 - *(dict)* –
 - * **Name** (*string*) –
 - * **RequestValue** (*list*) –
 - (*string*) –
- **RouterId** (*list*) –
 - (*string*) –
- **RouterName** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'WebProxy': [
    {
      'BypassInterface': {
        'NetworkId': 'string',
        'NetworkName': 'string'
      },
      'Description': 'string',
      'ListenInterface': {
        'NetworkId': 'string',
        'NetworkName': 'string'
      },
      'ListenPort': 'string',
      'Option': {
        'MobileFilter': {
          'Enabled': True|False
        },
        'NameServer': 'string',
        'SessionStickinessPolicy': {
          'Enabled': True|False,
          'ExpirationPeriod': 123,
          'Method': 123
        },
        'SorryPage': {
          'Enabled': True|False,
          'RedirectUrl': 'string',
          'StatusCode': 123
        }
      },
      'RouterId': 'string',
      'RouterName': 'string'
    },
  ]
}
```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **WebProxy** (*list*) –
 - * *(dict)* –
 - **BypassInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
 - **Description** (*string*) –
 - **ListenInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
 - **ListenPort** (*string*) –
 - **Option** (*dict*) –
 - **MobileFilter** (*dict*) –
 - **Enabled** (*boolean*) –
 - **NameServer** (*string*) –
 - **SessionStickinessPolicy** (*dict*) –
 - **Enabled** (*boolean*) –

- **ExpirationPeriod** (*integer*) –
- **Method** (*integer*) –
- **SorryPage** (*dict*) –
- **Enabled** (*boolean*) –
- **RedirectUrl** (*string*) –
- **StatusCode** (*integer*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

nifty_disable_dhcp (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_disable_dhcp(
    Agreement=True|False,
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type `dict`

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_disassociate_nat_table (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_disassociate_nat_table(
    Agreement=True|False,
    AssociationId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –

Return type `dict`

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_disassociate_route_table_from_vpn_gateway (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_disassociate_route_table_from_vpn_gateway(
    Agreement=True|False,
    AssociationId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –

Return type `dict`

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_enable_dhcp (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_enable_dhcp(
    Agreement=True|False,
    DhcpConfigId='string',
    DhcpOptionsId='string',
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **DhcpConfigId** (*string*) –
- **DhcpOptionsId** (*string*) –

- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_modify_address_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_modify_address_attribute(
    Attribute='string',
    PrivateIpAddress='string',
    PublicIp='string',
    Value='string'
)
```

Parameters

- **Attribute** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PublicIp** (*string*) –
- **Value** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_modify_customer_gateway_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_modify_customer_gateway_attribute(
    Attribute='string',
```

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```

CustomerGatewayId='string',
NiftyCustomerGatewayName='string',
Value='string'
)

```

Parameters

- **Attribute** (*string*) –
- **CustomerGatewayId** (*string*) –
- **NiftyCustomerGatewayName** (*string*) –
- **Value** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_modify_elastic_load_balancer_attributes (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.nifty_modify_elastic_load_balancer_attributes(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    LoadBalancerAttributes={
        'RequestAdditionalAttributes': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'RequestSessionStruct': {
            'RequestStickinessPolicyStruct': {
                'Enable': True|False,
                'ExpirationPeriod': 123,
                'Method': 'string'
            }
        },
        'RequestSorryPageStruct': {
            'Enable': True|False,
            'RedirectUrl': 'string'
        }
    },
    Protocol='string'
)

```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **LoadBalancerAttributes** (*dict*) –
 - **RequestAdditionalAttributes** (*list*) –
 - * (*dict*) –
 - **Key** (*string*) –
 - **Value** (*string*) –
 - **RequestSessionStruct** (*dict*) –
 - * **RequestStickinessPolicyStruct** (*dict*) –
 - **Enable** (*boolean*) –
 - **ExpirationPeriod** (*integer*) –
 - **Method** (*string*) –
 - **RequestSorryPageStruct** (*dict*) –
 - * **Enable** (*boolean*) –
 - * **RedirectUrl** (*string*) –
- **Protocol** (*string*) –

Return type dict

Returns**Response Syntax**

```
{
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

nifty_modify_instance_snapshot_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_modify_instance_snapshot_attribute(
    Attribute='string',
    InstanceSnapshotId='string',
    SnapshotName='string',
    Value='string'
)
```

Parameters

- **Attribute** (*string*) –
- **InstanceSnapshotId** (*string*) –
- **SnapshotName** (*string*) –
- **Value** (*string*) –

Return type dict

Returns**Response Syntax**


```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_modify_key_pair_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_modify_key_pair_attribute(
    Attribute='string',
    KeyName='string',
    Value='string'
)
```

Parameters

- **Attribute** (*string*) –
- **KeyName** (*string*) –
- **Value** (*string*) –

Return type dict

Returns**Response Syntax**

```
{
  'Attribute': 'string',
  'RequestId': 'string',
  'Return': True|False,
  'Value': 'string'
}
```

Response Structure

- (*dict*) –
 - **Attribute** (*string*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –
 - **Value** (*string*) –

nifty_modify_private_lan_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_modify_private_lan_attribute(
    Attribute='string',
    NetworkId='string',
    PrivateLanName='string',
    Value='string'
)
```

Parameters

- **Attribute** (*string*) –

- **NetworkId** (*string*) –
- **PrivateLanName** (*string*) –
- **Value** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_modify_router_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_modify_router_attribute(
    Agreement=True|False,
    Attribute='string',
    RouterId='string',
    RouterName='string',
    Value='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **Attribute** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **Value** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_modify_vpn_gateway_attribute (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_modify_vpn_gateway_attribute(
    Agreement=True|False,
    Attribute='string',
    NiftyVpnGatewayName='string',
    Value='string',
    VpnGatewayId='string'
)

```

Parameters

- **Agreement** (*boolean*) –
- **Attribute** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **Value** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_modify_web_proxy_attribute (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.nifty_modify_web_proxy_attribute(
    Agreement=True|False,
    Attribute='string',
    RouterId='string',
    RouterName='string',
    Value='string'
)

```

Parameters

- **Agreement** (*boolean*) –
- **Attribute** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **Value** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
    'RequestId': 'string',
    'Return': True|False
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_reboot_routers (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_reboot_routers(
    Router=[
        {
            'NiftyReboot': 'string',
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

Parameters Router (*list*) –

- (*dict*) –
 - **NiftyReboot** (*string*) –
 - **RouterId** (*string*) –
 - **RouterName** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_reboot_vpn_gateways (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_reboot_vpn_gateways(
    VpnGateway=[
        {
            'NiftyReboot': 'string',
            'NiftyVpnGatewayName': 'string',
            'VpnGatewayId': 'string'
        },
    ]
)
```

Parameters VpnGateway (*list*) –

- (*dict*) –
 - **NiftyReboot** (*string*) –
 - **NiftyVpnGatewayName** (*string*) –

– **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_register_instances_with_elastic_load_balancer (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_register_instances_with_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerPort=123,
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    Protocol='string'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Instances** (*list*) –
 - (*dict*) –
 - * **InstanceId** (*string*) –
 - * **InstanceUniqueId** (*string*) –
- **Protocol** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'Instances': [
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    'NiftyRegisterInstancesWithElasticLoadBalancerResult': {'..
    ↪ recursive ...'},
```

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```

    'ResponseMetadata': {
        'RequestId': 'string'
    }
}

```

Response Structure

- *(dict)* –
 - **Instances** (*list*) –
 - * *(dict)* –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **NiftyRegisterInstancesWithElasticLoadBalancerResult** (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

nifty_register_instances_with_separate_instance_rule (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_register_instances_with_separate_instance_rule(
    InstanceId=[
        'string',
    ],
    InstanceUniqueId=[
        'string',
    ],
    SeparateInstanceRuleName='string'
)

```

Parameters

- **InstanceId** (*list*) –
 - (*string*) –
- **InstanceUniqueId** (*list*) –
 - (*string*) –
- **SeparateInstanceRuleName** (*string*) –

Return type dict

Returns**Response Syntax**

```

{
    'InstancesSet': [
        {
            'AccountingType': 'string',
            'Admin': 'string',
            'AmiLaunchIndex': 'string',
            'Architecture': 'string',
            'Autoscaling': {
                'AutoScalingGroupName': 'string',
                'ExpireTime': datetime(2015, 1, 1)
            },
            'BlockDeviceMapping': [
                {
                    'DeviceName': 'string',
                    'Ebs': {

```

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```

        'AttachTime': datetime(2015, 1, 1),
        'DeleteOnTermination': True|False,
        'SnapshotId': 'string',
        'Status': 'string',
        'VolumeId': 'string',
        'VolumeSize': 123
    },
    'NoDevice': 'string',
    'VirtualName': 'string'
},
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        }
    }
]

```

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```

    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Descripriion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        }
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',

```

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```

        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',

```

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```

        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **InstancesSet** (list) –
 - * (dict) –
 - **AccountingType** (string) –
 - **Admin** (string) –
 - **AmiLaunchIndex** (string) –
 - **Architecture** (string) –
 - **Autoscaling** (dict) –
 - **AutoScalingGroupName** (string) –
 - **ExpireTime** (datetime) –
 - **BlockDeviceMapping** (list) –
 - (dict) –
 - **DeviceName** (string) –
 - **Ebs** (dict) –
 - **AttachTime** (datetime) –
 - **DeleteOnTermination** (boolean) –
 - **SnapshotId** (string) –
 - **Status** (string) –
 - **VolumId** (string) –
 - **VolumeSize** (integer) –
 - **NoDevice** (string) –
 - **VirtualName** (string) –
 - **CopyInfo** (string) –
 - **CurrentState** (dict) –
 - **Code** (integer) –
 - **Name** (string) –
 - **Description** (string) –
 - **DeviceIndex** (integer) –
 - **DnsName** (string) –
 - **ExpireTime** (datetime) –
 - **HotAdd** (string) –
 - **ImageId** (string) –
 - **ImageName** (string) –
 - **InstanceId** (string) –
 - **InstanceLifecycle** (string) –
 - **InstanceState** (dict) –
 - **Code** (integer) –
 - **Name** (string) –
 - **InstanceType** (string) –
 - **InstanceUniqueId** (string) –
 - **IpAddress** (string) –
 - **IpAddressV6** (string) –
 - **IpType** (string) –
 - **KernelId** (string) –
 - **KeyName** (string) –

- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –

- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –

- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **RequestId** (*string*) –

nifty_register_port_with_elastic_load_balancer (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_register_port_with_elastic_load_balancer(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    Listeners=[
        {
            'BalancingType': 'string',
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'string',
            'RequestHealthCheckStruct': {
                'Interval': 123,
                'Target': 'string',
                'UnhealthyThreshold': 123
            },
            'RequestInstances': [
                {
                    'InstanceId': 'string',
                    'InstanceUniqueId': 'string'
                },
            ],
            'RequestSessionStruct': {
                'RequestStickinessPolicyStruct': {
                    'Enable': True|False,
                    'ExpirationPeriod': 123,
                    'Method': 'string'
                }
            },
            'RequestSorryPageStruct': {
                'Enable': True|False,
                'RedirectUrl': 'string'
            },
            'SSLCertificateId': 'string'
        },
    ]
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **Listeners** (*list*) –
 - (*dict*) –
 - * **BalancingType** (*string*) –
 - * **Description** (*string*) –
 - * **ElasticLoadBalancerPort** (*integer*) –
 - * **InstancePort** (*integer*) –

- * **LoadBalancerPort** (*integer*) –
- * **Protocol** (*string*) –
- * **RequestHealthCheckStruct** (*dict*) –
 - **Interval** (*integer*) –
 - **Target** (*string*) –
 - **UnhealthyThreshold** (*integer*) –
- * **RequestInstances** (*list*) –
 - (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
- * **RequestSessionStruct** (*dict*) –
 - **RequestStickinessPolicyStruct** (*dict*) –
 - **Enable** (*boolean*) –
 - **ExpirationPeriod** (*integer*) –
 - **Method** (*string*) –
- * **RequestSorryPageStruct** (*dict*) –
 - **Enable** (*boolean*) –
 - **RedirectUrl** (*string*) –
- * **SSLCertificateId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'Listeners': [
    {
      'BalancingType': 123,
      'InstancePort': 123,
      'Listener': {
        'BalancingType': 123,
        'Description': 'string',
        'ElasticLoadBalancerPort': 123,
        'HealthCheck': {
          'HealthyThreshold': 123,
          'InstanceStates': [
            {
              'Description': 'string',
              'InstanceId': 'string',
              'InstanceUniqueId': 'string',
              'ReasonCode': 'string',
              'State': 'string'
            },
          ],
          'Interval': 123,
          'Target': 'string',
          'Timeout': 123,
          'UnhealthyThreshold': 123
        },
        'InstancePort': 123,
        'Instances': [
          {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
          },
        ],
        'LoadBalancerPort': 123,
```

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```

        'Protocol': 'string',
        'SSLCertificateId': 'string',
        'SessionStickinessPolicy': {
            'Enabled': True|False,
            'ExpirationPeriod': 123,
            'Method': 123
        },
        'SorryPage': {
            'Enabled': True|False,
            'RedirectUrl': 'string',
            'StatusCode': 123
        }
    },
    'LoadBalancerPort': 123,
    'Protocol': 'string'
},
],
'NiftyRegisterPortWithElasticLoadBalancerResult': {'..._
←recursive ...'},
'ResponseMetadata': {
    'RequestId': 'string'
}
}

```

Response Structure

- (dict) –
 - Listeners (list) –
 - * (dict) –
 - BalancingType (integer) –
 - InstancePort (integer) –
 - Listener (dict) –
 - BalancingType (integer) –
 - Description (string) –
 - ElasticLoadBalancerPort (integer) –
 - HealthCheck (dict) –
 - HealthyThreshold (integer) –
 - InstanceStates (list) –
 - (dict) –
 - Description (string) –
 - InstanceId (string) –
 - InstanceUniqueId (string) –
 - ReasonCode (string) –
 - State (string) –
 - Interval (integer) –
 - Target (string) –
 - Timeout (integer) –
 - UnhealthyThreshold (integer) –
 - InstancePort (integer) –
 - Instances (list) –
 - (dict) –
 - InstanceId (string) –
 - InstanceUniqueId (string) –
 - LoadBalancerPort (integer) –
 - Protocol (string) –
 - SSLCertificateId (string) –

- **SessionStickinessPolicy** (*dict*) –
- **Enabled** (*boolean*) –
- **ExpirationPeriod** (*integer*) –
- **Method** (*integer*) –
- **SorryPage** (*dict*) –
- **Enabled** (*boolean*) –
- **RedirectUrl** (*string*) –
- **StatusCode** (*integer*) –
- **LoadBalancerPort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyRegisterPortWithElasticLoadBalancerResult** (*dict*) –
- **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

nifty_register_routers_with_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_register_routers_with_security_group(
    GroupName='string',
    RouterSet=[
        {
            'RouterId': 'string',
            'RouterName': 'string'
        },
    ]
)
```

Parameters

- **GroupName** (*string*) –
- **RouterSet** (*list*) –
 - (*dict*) –
 - * **RouterId** (*string*) –
 - * **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'RouterSet': [
        {
            'AccountingType': 'string',
            'AvailabilityZone': 'string',
            'CreatedTime': datetime(2015, 1, 1),
            'Description': 'string',
            'DeviceIndex': 123,
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'IpAddress': 'string',
            'NatTableAssociationId': 'string',
            'NatTableId': 'string',
```

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```

'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            }
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',

```

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```

        'PublicIpV6': 'string'
    },
    'Primary': True|False,
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string'
},
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'Type': 'string'
},
]
}

```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **RouterSet** (list) –
 - * (dict) –
 - **AccountingType** (string) –
 - **AvailabilityZone** (string) –
 - **CreatedTime** (datetime) –
 - **Description** (string) –
 - **DeviceIndex** (integer) –
 - **GroupSet** (list) –
 - (dict) –
 - **GroupId** (string) –
 - **IpAddress** (string) –
 - **NatTableAssociationId** (string) –
 - **NatTableId** (string) –
 - **NetworkInterfaceSet** (list) –
 - (dict) –

- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –

- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –

`nifty_register_vpn_gateways_with_security_group` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_register_vpn_gateways_with_security_group(
    GroupName='string',
    VpnGatewaySet=[
        {
            'NiftyVpnGatewayName': 'string',
            'VpnGatewayId': 'string'
        },
    ]
)
```

Parameters

- **GroupName** (*string*) –
- **VpnGatewaySet** (*list*) –
- (*dict*) –
- * **NiftyVpnGatewayName** (*string*) –
- * **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'VpnGatewaySet': [
        {
            'AccountingType': 'string',
            'Attachments': [
                {
                    'State': 'string',
                    'VpcId': 'string'
                },
            ],
        },
    ],
}
```

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```

],
'AvailabilityZone': 'string',
'BackupInformation': {
    'ExpirationDate': datetime(2015, 1, 1),
    'IsBackup': True|False
},
'CreatedTime': datetime(2015, 1, 1),
'DeviceIndex': 123,
'GroupSet': [
    {
        'GroupId': 'string'
    },
],
'IpAddress': 'string',
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Descriprion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',

```

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```

        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NiftyRedundancy': True|False,
'NiftyVpnGatewayDescription': 'string',
'NiftyVpnGatewayName': 'string',
'NiftyVpnGatewayType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
],
'Type': 'string',
'VersionInformation': {
    'IsLatest': True|False,
    'Version': 'string'
},
'VpnGatewayId': 'string'
}
]
}

```

Response Structure

- *(dict)* –
 - **RequestId** (*string*) –
 - **VpnGatewaySet** (*list*) –
 - * *(dict)* –
 - **AccountingType** (*string*) –
 - **Attachments** (*list*) –
 - *(dict)* –
 - **State** (*string*) –
 - **VpcId** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **BackupInformation** (*dict*) –
 - **ExpirationDate** (*datetime*) –
 - **IsBackup** (*boolean*) –
 - **CreatedTime** (*datetime*) –
 - **DeviceIndex** (*integer*) –
 - **GroupSet** (*list*) –
 - *(dict)* –
 - **GroupId** (*string*) –
 - **IpAddress** (*string*) –
 - **NetworkInterfaceSet** (*list*) –
 - *(dict)* –
 - **Association** (*dict*) –
 - **AllocationId** (*string*) –
 - **AssociationId** (*string*) –
 - **IpOwnerId** (*string*) –
 - **PublicDnsName** (*string*) –
 - **PublicIp** (*string*) –
 - **PublicIpV6** (*string*) –
 - **Attachment** (*dict*) –
 - **AttachTime** (*datetime*) –
 - **AttachmentID** (*string*) –
 - **AttachmentId** (*string*) –
 - **DeleteOnTermination** (*boolean*) –
 - **DeviceIndex** (*integer*) –
 - **InstanceId** (*string*) –
 - **InstanceOwnerId** (*string*) –
 - **Status** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **CidrBlock** (*string*) –
 - **Descripriion** (*string*) –
 - **Description** (*string*) –
 - **DeviceIndex** (*integer*) –
 - **Dhcp** (*boolean*) –
 - **DhcpOptionsId** (*string*) –
 - **GroupSet** (*list*) –
 - *(dict)* –
 - **GroupId** (*string*) –
 - **InterfaceType** (*string*) –
 - **IpAddress** (*string*) –
 - **Ipv6AddressesSet** (*list*) –
 - *(dict)* –
 - **Ipv6Address** (*string*) –
 - **MacAddress** (*string*) –

- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
- **RouteTableAssociationId** (*string*) –
- **RouteTableId** (*string*) –
- **State** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
- **VpnGatewayId** (*string*) –

nifty_release_router_backup_state (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_release_router_backup_state(
```

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```
RouterId='string',
RouterName='string'
)
```

Parameters

- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_release_vpn_gateway_backup_state (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_release_vpn_gateway_backup_state(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_replace_dhcp_config (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_replace_dhcp_config(
    Agreement=True|False,
```

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```
DhcpConfigId='string',
NetworkId='string',
NetworkName='string',
RouterId='string',
RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **DhcpConfigId** (*string*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_replace_dhcp_option (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.nifty_replace_dhcp_option(
    Agreement=True|False,
    DhcpOptionsId='string',
    NetworkId='string',
    NetworkName='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_replace_elastic_load_balancer_latest_version (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_replace_elastic_load_balancer_latest_version(
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string'
)
```

Parameters

- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –

Return type dict

Returns**Response Syntax**

```
{
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

nifty_replace_nat_rule (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_replace_nat_rule(
    Description='string',
    Destination={
        'Port': 123
    },
    InboundInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    },
    NatTableId='string',
    NatType='string',
    OutboundInterface={
        'NetworkId': 'string',
        'NetworkName': 'string'
    }
)
```

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```

    },
    Protocol='string',
    RuleNumber='string',
    Source={
        'Address': 'string',
        'Port': 123
    },
    Translation={
        'Address': 'string',
        'Port': 123
    }
}
)

```

Parameters

- **Description** (*string*) –
- **Destination** (*dict*) –
 - **Port** (*integer*) –
- **InboundInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
- **NatTableId** (*string*) –
- **NatType** (*string*) –
- **OutboundInterface** (*dict*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
- **Protocol** (*string*) –
- **RuleNumber** (*string*) –
- **Source** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –
- **Translation** (*dict*) –
 - **Address** (*string*) –
 - **Port** (*integer*) –

Return type dict**Returns****Response Syntax**

```

{
  'NatRule': {
    'Description': 'string',
    'Destination': {
      'Address': 'string',
      'Port': 123
    },
    'InboundInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'NatType': 'string',
    'OutboundInterface': {
      'NetworkId': 'string',
      'NetworkName': 'string'
    },
    'Protocol': 'string',
  }
}

```

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```

    'RuleNumber': 'string',
    'Source': {
        'Address': 'string',
        'Port': 123
    },
    'Translation': {
        'Address': 'string',
        'Port': 123
    }
},
'NatTableId': 'string',
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **NatRule** (dict) –
 - * **Description** (string) –
 - * **Destination** (dict) –
 - **Address** (string) –
 - **Port** (integer) –
 - * **InboundInterface** (dict) –
 - **NetworkId** (string) –
 - **NetworkName** (string) –
 - * **NatType** (string) –
 - * **OutboundInterface** (dict) –
 - **NetworkId** (string) –
 - **NetworkName** (string) –
 - * **Protocol** (string) –
 - * **RuleNumber** (string) –
 - * **Source** (dict) –
 - **Address** (string) –
 - **Port** (integer) –
 - * **Translation** (dict) –
 - **Address** (string) –
 - **Port** (integer) –
 - **NatTableId** (string) –
 - **RequestId** (string) –

nifty_replace_nat_table_association (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.nifty_replace_nat_table_association(
    Agreement=True|False,
    AssociationId='string',
    NatTableId='string'
)

```

Parameters

- **Agreement** (boolean) –
- **AssociationId** (string) –
- **NatTableId** (string) –

Return type dict

Returns

Response Syntax

```
{
    'NewAssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **NewAssociationId** (*string*) –
 - **RequestId** (*string*) –

nifty_replace_route_table_association_with_vpn_gateway (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_replace_route_table_association_with_vpn_gateway(
    Agreement=True|False,
    AssociationId='string',
    RouteTableId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –
- **RouteTableId** (*string*) –

Return type *dict*

Returns

Response Syntax

```
{
    'NewAssociationId': 'string',
    'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **NewAssociationId** (*string*) –
 - **RequestId** (*string*) –

nifty_replace_router_latest_version (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_replace_router_latest_version(
    Agreement=True|False,
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_replace_vpn_gateway_latest_version (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_replace_vpn_gateway_latest_version(
    Agreement=True|False,
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_restore_instance_snapshot (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_restore_instance_snapshot(
    InstanceSnapshotId='string',
    SnapshotName='string'
)
```

Parameters

- **InstanceSnapshotId** (*string*) –
- **SnapshotName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_restore_router_previous_version (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_restore_router_previous_version(
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **RouterId** (*string*) –
- **RouterName** (*string*) –

Return type *dict*

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_restore_vpn_gateway_previous_version (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_restore_vpn_gateway_previous_version(
    NiftyVpnGatewayName='string',
    VpnGatewayId='string'
)
```

Parameters

- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type *dict*

Returns

Response Syntax


```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_retry_import_instance (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_retry_import_instance(
    InstanceId='string'
)
```

Parameters **InstanceId** (*string*) –

Return type *dict*

Returns

Response Syntax

```
{
  'InstanceId': 'string',
  'InstanceState': 'string',
  'InstanceUniqueId': 'string',
  'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceState** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **RequestId** (*string*) –

nifty_update_alarm (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_update_alarm(
    AlarmCondition='string',
    Description='string',
    ElasticLoadBalancerName=[
        'string',
    ],
    ElasticLoadBalancerPort=[
        123,
    ],
    ElasticLoadBalancerProtocol=[
        'string',
    ],
    EmailAddress=[
        'string',
    ],
```

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```

    ],
    FunctionName='string',
    InstanceId=[
        'string',
    ],
    LoadBalancerName=[
        'string',
    ],
    LoadBalancerPort=[
        123,
    ],
    Partition=[
        'string',
    ],
    Rule=[
        {
            'BreachDuration': 123,
            'DataType': 'string',
            'FromDate': 'string',
            'FunctionName': 'string',
            'RuleName': 'string',
            'Threshold': 123.0,
            'ToDate': 'string',
            'UpperLowerCondition': 'string'
        },
    ],
    RuleName='string',
    RuleNameUpdate='string'
)

```

Parameters

- **AlarmCondition** (*string*) –
- **Description** (*string*) –
- **ElasticLoadBalancerName** (*list*) –
– (*string*) –
- **ElasticLoadBalancerPort** (*list*) –
– (*integer*) –
- **ElasticLoadBalancerProtocol** (*list*) –
– (*string*) –
- **EmailAddress** (*list*) –
– (*string*) –
- **FunctionName** (*string*) –
- **InstanceId** (*list*) –
– (*string*) –
- **LoadBalancerName** (*list*) –
– (*string*) –
- **LoadBalancerPort** (*list*) –
– (*integer*) –
- **Partition** (*list*) –
– (*string*) –
- **Rule** (*list*) –
– (*dict*) –
 - * **BreachDuration** (*integer*) –
 - * **DataType** (*string*) –
 - * **FromDate** (*string*) –

- * **FunctionName** (*string*) –
- * **RuleName** (*string*) –
- * **Threshold** (*float*) –
- * **ToDate** (*string*) –
- * **UpperLowerCondition** (*string*) –
- **RuleName** (*string*) –
- **RuleNameUpdate** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'RequestId': 'string',
  'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

nifty_update_auto_scaling_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_update_auto_scaling_group(
    AutoScalingGroupName='string',
    AutoScalingGroupNameUpdate='string',
    ChangeInCapacity=123,
    DefaultCooldown=123,
    Description='string',
    ImageId='string',
    InstanceLifecycleLimit=123,
    InstanceType='string',
    LoadBalancers=[
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'Name': 'string'
        },
    ],
    MaxSize=123,
    MinSize=123,
    Scaleout=123,
    ScaleoutCondition='string',
    ScalingSchedule=[
        {
            'RequestDDayStruct': {
                'EndingDDay': 'string',
                'StartingDDay': 'string'
            },
            'RequestDayStruct': {
                'SetFriday': 'string',
                'SetMonday': 'string',
                'SetSaturday': 'string',
```

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```

        'SetSunday': 'string',
        'SetThursday': 'string',
        'SetTuesday': 'string',
        'SetWednesday': 'string'
    },
    'RequestMonthStruct': {
        'EndingMonth': 'string',
        'StartingMonth': 'string'
    },
    'RequestTimeZoneStruct': {
        'EndingTimeZone': 'string',
        'StartingTimeZone': 'string'
    }
},
],
ScalingTrigger=[
    {
        'BreachDuration': 123,
        'Resource': 'string',
        'UpperThreshold': 123.0
    },
],
SecurityGroup=[
    'string',
]
)

```

Parameters

- **AutoScalingGroupName** (*string*) –
- **AutoScalingGroupNameUpdate** (*string*) –
- **ChangeInCapacity** (*integer*) –
- **DefaultCooldown** (*integer*) –
- **Description** (*string*) –
- **ImageId** (*string*) –
- **InstanceLifecycleLimit** (*integer*) –
- **InstanceType** (*string*) –
- **LoadBalancers** (*list*) –
 - (*dict*) –
 - * **InstancePort** (*integer*) –
 - * **LoadBalancerName** (*string*) –
 - * **LoadBalancerPort** (*integer*) –
 - * **Name** (*string*) –
- **MaxSize** (*integer*) –
- **MinSize** (*integer*) –
- **Scaleout** (*integer*) –
- **ScaleoutCondition** (*string*) –
- **ScalingSchedule** (*list*) –
 - (*dict*) –
 - * **RequestDDayStruct** (*dict*) –
 - **EndingDDay** (*string*) –
 - **StartingDDay** (*string*) –
 - * **RequestDayStruct** (*dict*) –
 - **SetFriday** (*string*) –
 - **SetMonday** (*string*) –
 - **SetSaturday** (*string*) –

- **SetSunday** (*string*) –
- **SetThursday** (*string*) –
- **SetTuesday** (*string*) –
- **SetWednesday** (*string*) –
- * **RequestMonthStruct** (*dict*) –
 - **EndingMonth** (*string*) –
 - **StartingMonth** (*string*) –
- * **RequestTimeZoneStruct** (*dict*) –
 - **EndingTimeZone** (*string*) –
 - **StartingTimeZone** (*string*) –
- **ScalingTrigger** (*list*) –
 - (*dict*) –
 - * **BreachDuration** (*integer*) –
 - * **Resource** (*string*) –
 - * **UpperThreshold** (*float*) –
- **SecurityGroup** (*list*) –
 - (*string*) –

Return type `dict`

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

`nifty_update_elastic_load_balancer` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_update_elastic_load_balancer(
    AccountingTypeUpdate=123,
    ElasticLoadBalancerId='string',
    ElasticLoadBalancerName='string',
    ElasticLoadBalancerNameUpdate='string',
    NetworkVolumeUpdate=123
)
```

Parameters

- **AccountingTypeUpdate** (*integer*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerNameUpdate** (*string*) –
- **NetworkVolumeUpdate** (*integer*) –

Return type `dict`

Returns

Response Syntax

```
{
  'ResponseMetadata': {
    'RequestId': 'string'
  }
}
```

Response Structure

- *(dict)* –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

nifty_update_instance_network_interfaces (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_update_instance_network_interfaces(
    InstanceId='string',
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        },
    ],
    NiftyReboot='string'
)
```

Parameters

- **InstanceId** (*string*) –
- **NetworkInterface** (*list*) –
 - (*dict*) –
 - * **DeviceIndex** (*integer*) –
 - * **Dhcp** (*boolean*) –
 - * **DhcpConfigId** (*string*) –
 - * **DhcpOptionsId** (*string*) –
 - * **IpAddress** (*string*) –
 - * **IsVipNetwork** (*boolean*) –
 - * **NetworkId** (*string*) –
 - * **NetworkName** (*string*) –
 - * **RequestSecurityGroupId** (*list*) –
 - (*string*) –
- **NiftyReboot** (*string*) –

Return type *dict*

Returns

Response Syntax

```
{
    'Return': True|False
}
```

Response Structure

- (dict) –
 - **Return** (boolean) –

nifty_update_router_network_interfaces (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_update_router_network_interfaces(
    Agreement=True|False,
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        },
    ],
    NiftyReboot='string',
    RouterId='string',
    RouterName='string'
)
```

Parameters

- **Agreement** (boolean) –
- **NetworkInterface** (list) –
 - (dict) –
 - * **DeviceIndex** (integer) –
 - * **Dhcp** (boolean) –
 - * **DhcpConfigId** (string) –
 - * **DhcpOptionsId** (string) –
 - * **IpAddress** (string) –
 - * **IsVipNetwork** (boolean) –
 - * **NetworkId** (string) –
 - * **NetworkName** (string) –
 - * **RequestSecurityGroupId** (list) –
 - (string) –
- **NiftyReboot** (string) –
- **RouterId** (string) –
- **RouterName** (string) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **Return** (boolean) –

nifty_update_separate_instance_rule (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_update_separate_instance_rule(
    SeparateInstanceRuleDescriptionUpdate='string',
    SeparateInstanceRuleName='string',
    SeparateInstanceRuleNameUpdate='string'
)
```

Parameters

- **SeparateInstanceRuleDescriptionUpdate** (string) –
- **SeparateInstanceRuleName** (string) –
- **SeparateInstanceRuleNameUpdate** (string) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': 'string'
}
```

Response Structure

- (dict) –
 - **RequestId** (string) –
 - **Return** (string) –

nifty_update_vpn_gateway_network_interfaces (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_update_vpn_gateway_network_interfaces(
    Agreement=True|False,
    NetworkInterface={
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpConfigId': 'string',
        'DhcpOptionsId': 'string',
        'IpAddress': 'string',
        'IsVipNetwork': True|False,
        'NetworkId': 'string',
        'NetworkName': 'string',
        'RequestSecurityGroupId': [
            'string',
```

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```

    ]
  },
  NiftyReboot='string',
  NiftyVpnGatewayName='string',
  VpnGatewayId='string'
)

```

Parameters

- **Agreement** (*boolean*) –
- **NetworkInterface** (*dict*) –
 - **DeviceIndex** (*integer*) –
 - **Dhcp** (*boolean*) –
 - **DhcpConfigId** (*string*) –
 - **DhcpOptionsId** (*string*) –
 - **IpAddress** (*string*) –
 - **IsVipNetwork** (*boolean*) –
 - **NetworkId** (*string*) –
 - **NetworkName** (*string*) –
 - **RequestSecurityGroupId** (*list*) –
 - * (*string*) –
- **NiftyReboot** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **VpnGatewayId** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
  'RequestId': 'string',
  'Return': True|False
}

```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

reboot_instances (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.reboot_instances(
    Force=True|False,
    InstanceId=[
        'string',
    ],
    NiftyIsBios=True|False,
    Tenancy=[
        'string',
    ],
    UserData='string'
)

```

Parameters

- **Force** (*boolean*) –
- **InstanceId** (*list*) –
 - (*string*) –
- **NiftyIsBios** (*boolean*) –
- **Tenancy** (*list*) –
 - (*string*) –
- **UserData** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

register_corporate_info_for_certificate (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.register_corporate_info_for_certificate(
    Agreement=True|False,
    AlphabetName1='string',
    AlphabetName2='string',
    City='string',
    CorpGrade='string',
    CorpName='string',
    DivisionName='string',
    EmailAddress='string',
    KanaName1='string',
    KanaName2='string',
    Name1='string',
    Name2='string',
    PhoneNumber='string',
    PostName='string',
    Pref='string',
    PresidentName1='string',
    PresidentName2='string',
    TdbCode='string',
    Zip1='string',
    Zip2='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AlphabetName1** (*string*) –
- **AlphabetName2** (*string*) –
- **City** (*string*) –
- **CorpGrade** (*string*) –
- **CorpName** (*string*) –
- **DivisionName** (*string*) –

- **EmailAddress** (*string*) –
- **KanaName1** (*string*) –
- **KanaName2** (*string*) –
- **Name1** (*string*) –
- **Name2** (*string*) –
- **PhoneNumber** (*string*) –
- **PostName** (*string*) –
- **Pref** (*string*) –
- **PresidentName1** (*string*) –
- **PresidentName2** (*string*) –
- **TdbCode** (*string*) –
- **Zip1** (*string*) –
- **Zip2** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'City': 'string',
    'CorpGrade': 'string',
    'CorpName': 'string',
    'DivisionName': 'string',
    'KanaName1': 'string',
    'KanaName2': 'string',
    'Name1': 'string',
    'Name2': 'string',
    'PostName': 'string',
    'Pref': 'string',
    'PresidentName1': 'string',
    'PresidentName2': 'string',
    'RequestId': 'string',
    'TdbCode': 'string',
    'Zip1': 'string',
    'Zip2': 'string'
}
```

Response Structure

- (*dict*) –
 - **City** (*string*) –
 - **CorpGrade** (*string*) –
 - **CorpName** (*string*) –
 - **DivisionName** (*string*) –
 - **KanaName1** (*string*) –
 - **KanaName2** (*string*) –
 - **Name1** (*string*) –
 - **Name2** (*string*) –
 - **PostName** (*string*) –
 - **Pref** (*string*) –
 - **PresidentName1** (*string*) –
 - **PresidentName2** (*string*) –
 - **RequestId** (*string*) –
 - **TdbCode** (*string*) –
 - **Zip1** (*string*) –
 - **Zip2** (*string*) –

`register_instances_with_load_balancer (**kwargs)`

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.register_instances_with_load_balancer(
    InstancePort=123,
    Instances=[
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **InstancePort** (*integer*) –
- **Instances** (*list*) –
 - (*dict*) –
 - * **InstanceId** (*string*) –
 - * **InstanceUniqueId** (*string*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

Return type `dict`

Returns

Response Syntax

```
{
    'Instances': [
        {
            'InstanceId': 'string',
            'InstanceUniqueId': 'string'
        },
    ],
    'RegisterInstancesWithLoadBalancerResult': {'... recursive_
    ↪...'},
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- (*dict*) –
 - **Instances** (*list*) –
 - * (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **RegisterInstancesWithLoadBalancerResult** (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

register_instances_with_security_group (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.register_instances_with_security_group(
    GroupName='string',
    InstanceId=[
        'string',
    ]
)

```

Parameters

- **GroupName** (*string*)–
- **InstanceId** (*list*)–
– (*string*)–

Return type dict**Returns****Response Syntax**

```

{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
          },
          'NoDevice': 'string',
          'VirtualName': 'string'
        },
      ],
      'CopyInfo': 'string',
      'CurrentState': {
        'Code': 123,
        'Name': 'string'
      },
      'Description': 'string',
      'DeviceIndex': 123,
      'DnsName': 'string',
      'ExpireTime': datetime(2015, 1, 1),
      'HotAdd': 'string',
      'ImageId': 'string',
      'ImageName': 'string',
      'InstanceId': 'string',
      'InstanceLifecycle': 'string',
      'InstanceState': {

```

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```

        'Code': 123,
        'Name': 'string'
    },
    'InstanceType': 'string',
    'InstanceUniqueId': 'string',
    'IpAddress': 'string',
    'IpAddressV6': 'string',
    'IpType': 'string',
    'KernelId': 'string',
    'KeyName': 'string',
    'LaunchTime': datetime(2015, 1, 1),
    'Loadbalancing': [
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'State': 'string'
        },
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Description': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [

```

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```

        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        },
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {

```

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```

        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',
'VpcId': 'string'
},
],
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **InstancesSet** (list) –
 - * (dict) –
 - **AccountingType** (string) –
 - **Admin** (string) –
 - **AmiLaunchIndex** (string) –
 - **Architecture** (string) –
 - **Autoscaling** (dict) –
 - **AutoScalingGroupName** (string) –
 - **ExpireTime** (datetime) –
 - **BlockDeviceMapping** (list) –
 - (dict) –
 - **DeviceName** (string) –
 - **Ebs** (dict) –
 - **AttachTime** (datetime) –
 - **DeleteOnTermination** (boolean) –
 - **SnapshotId** (string) –

- **Status** (*string*) –
- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –

- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –

- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –

– **RequestId** (*string*) –

register_port_with_load_balancer (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.register_port_with_load_balancer(
    Listeners=[
        {
            'BalancingType': 'string',
            'Description': 'string',
            'ElasticLoadBalancerPort': 123,
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'string',
            'RequestHealthCheckStruct': {
                'Interval': 123,
                'Target': 'string',
                'UnhealthyThreshold': 123
            },
            'RequestInstances': [
                {
                    'InstanceId': 'string',
```

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```

        'InstanceUniqueId': 'string'
    },
],
'RequestSessionStruct': {
    'RequestStickinessPolicyStruct': {
        'Enable': True|False,
        'ExpirationPeriod': 123,
        'Method': 'string'
    }
},
'RequestSorryPageStruct': {
    'Enable': True|False,
    'RedirectUrl': 'string'
},
'SSLCertificateId': 'string'
},
],
LoadBalancerName='string'
)

```

Parameters

- **Listeners** (*list*) –
 - (*dict*) –
 - * **BalancingType** (*string*) –
 - * **Description** (*string*) –
 - * **ElasticLoadBalancerPort** (*integer*) –
 - * **InstancePort** (*integer*) –
 - * **LoadBalancerPort** (*integer*) –
 - * **Protocol** (*string*) –
 - * **RequestHealthCheckStruct** (*dict*) –
 - **Interval** (*integer*) –
 - **Target** (*string*) –
 - **UnhealthyThreshold** (*integer*) –
 - * **RequestInstances** (*list*) –
 - (*dict*) –
 - **InstanceId** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - * **RequestSessionStruct** (*dict*) –
 - **RequestStickinessPolicyStruct** (*dict*) –
 - **Enable** (*boolean*) –
 - **ExpirationPeriod** (*integer*) –
 - **Method** (*string*) –
 - * **RequestSorryPageStruct** (*dict*) –
 - **Enable** (*boolean*) –
 - **RedirectUrl** (*string*) –
 - * **SSLCertificateId** (*string*) –
- **LoadBalancerName** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
    'Listeners': [
```

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```

{
  'BalancingType': 123,
  'InstancePort': 123,
  'Listener': {
    'BalancingType': 123,
    'Description': 'string',
    'ElasticLoadBalancerPort': 123,
    'HealthCheck': {
      'HealthyThreshold': 123,
      'InstanceStates': [
        {
          'Description': 'string',
          'InstanceId': 'string',
          'InstanceUniqueId': 'string',
          'ReasonCode': 'string',
          'State': 'string'
        },
      ],
      'Interval': 123,
      'Target': 'string',
      'Timeout': 123,
      'UnhealthyThreshold': 123
    },
    'InstancePort': 123,
    'Instances': [
      {
        'InstanceId': 'string',
        'InstanceUniqueId': 'string'
      },
    ],
    'LoadBalancerPort': 123,
    'Protocol': 'string',
    'SSLCertificateId': 'string',
    'SessionStickinessPolicy': {
      'Enabled': True|False,
      'ExpirationPeriod': 123,
      'Method': 123
    },
    'SorryPage': {
      'Enabled': True|False,
      'RedirectUrl': 'string',
      'StatusCode': 123
    }
  },
  'LoadBalancerPort': 123,
  'Protocol': 'string'
},
],
'RegisterPortWithLoadBalancerResult': {'... recursive ...'}
→,
'ResponseMetadata': {
  'RequestId': 'string'
}
}

```

Response Structure

- (dict)–

- **Listeners** (*list*) -
 - * (*dict*) -
 - **BalancingType** (*integer*) -
 - **InstancePort** (*integer*) -
 - **Listener** (*dict*) -
 - **BalancingType** (*integer*) -
 - **Description** (*string*) -
 - **ElasticLoadBalancerPort** (*integer*) -
 - **HealthCheck** (*dict*) -
 - **HealthyThreshold** (*integer*) -
 - **InstanceStates** (*list*) -
 - (*dict*) -
 - **Description** (*string*) -
 - **InstanceId** (*string*) -
 - **InstanceUniqueId** (*string*) -
 - **ReasonCode** (*string*) -
 - **State** (*string*) -
 - **Interval** (*integer*) -
 - **Target** (*string*) -
 - **Timeout** (*integer*) -
 - **UnhealthyThreshold** (*integer*) -
 - **InstancePort** (*integer*) -
 - **Instances** (*list*) -
 - (*dict*) -
 - **InstanceId** (*string*) -
 - **InstanceUniqueId** (*string*) -
 - **LoadBalancerPort** (*integer*) -
 - **Protocol** (*string*) -
 - **SSLCertificateId** (*string*) -
 - **SessionStickinessPolicy** (*dict*) -
 - **Enabled** (*boolean*) -
 - **ExpirationPeriod** (*integer*) -
 - **Method** (*integer*) -
 - **SorryPage** (*dict*) -
 - **Enabled** (*boolean*) -
 - **RedirectUrl** (*string*) -
 - **StatusCode** (*integer*) -
 - **LoadBalancerPort** (*integer*) -
 - **Protocol** (*string*) -
 - **RegisterPortWithLoadBalancerResult** (*dict*) -
 - **ResponseMetadata** (*dict*) -
 - * **RequestId** (*string*) -

release_address (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.release_address(  
    PrivateIpAddress='string',  
    PublicIp='string'  
)
```

Parameters

- **PrivateIpAddress** (*string*) -

- **PublicIp** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

replace_route (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.replace_route(
    DestinationCidrBlock='string',
    IpAddress='string',
    NetworkId='string',
    NetworkName='string',
    RouteTableId='string'
)
```

Parameters

- **DestinationCidrBlock** (*string*) –
- **IpAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkName** (*string*) –
- **RouteTableId** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

replace_route_table_association (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.replace_route_table_association(
    Agreement=True|False,
    AssociationId='string',
```

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```
RouteTableId='string'
)
```

Parameters

- **Agreement** (*boolean*) –
- **AssociationId** (*string*) –
- **RouteTableId** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
  'NewAssociationId': 'string',
  'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **NewAssociationId** (*string*) –
 - **RequestId** (*string*) –

revoke_security_group_ingress (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.revoke_security_group_ingress(
    GroupName='string',
    IpPermissions=[
        {
            'Description': 'string',
            'FromPort': 123,
            'InOut': 'string',
            'IpProtocol': 'string',
            'RequestGroups': [
                {
                    'GroupName': 'string'
                },
            ],
            'RequestIpRanges': [
                {
                    'CidrIp': 'string'
                },
            ],
            'ToPort': 123
        },
    ],
)
```

Parameters

- **GroupName** (*string*) –
- **IpPermissions** (*list*) –
 - (*dict*) –
 - * **Description** (*string*) –
 - * **FromPort** (*integer*) –
 - * **InOut** (*string*) –

- * **IpProtocol** (*string*) –
- * **RequestGroups** (*list*) –
 - (*dict*) –
 - **GroupName** (*string*) –
- * **RequestIpRanges** (*list*) –
 - (*dict*) –
 - **CidrIp** (*string*) –
- * **ToPort** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

run_instances (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.run_instances(
    AccountingType='string',
    Admin='string',
    Agreement=True|False,
    Description='string',
    DisableApiTermination=True|False,
    ImageId='string',
    InstanceId='string',
    InstanceType='string',
    IpType='string',
    KeyName='string',
    License=[
        {
            'LicenseName': 'string',
            'LicenseNum': 'string'
        },
    ],
    NetworkInterface=[
        {
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpConfigId': 'string',
            'DhcpOptionsId': 'string',
            'IpAddress': 'string',
            'IsVipNetwork': True|False,
            'NetworkId': 'string',
            'NetworkName': 'string',
            'RequestSecurityGroupId': [
                'string',
            ]
        }
    ]
)
```

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```

    },
  ],
  Password='string',
  Placement={
    'AvailabilityZone': 'string',
    'RegionName': 'string'
  },
  PublicIp='string',
  SecurityGroup=[
    'string',
  ],
  UserData='string'
)

```

Parameters

- **AccountingType** (*string*) –
- **Admin** (*string*) –
- **Agreement** (*boolean*) –
- **Description** (*string*) –
- **DisableApiTermination** (*boolean*) –
- **ImageId** (*string*) –
- **InstanceId** (*string*) –
- **InstanceType** (*string*) –
- **IpType** (*string*) –
- **KeyName** (*string*) –
- **License** (*list*) –
 - (*dict*) –
 - * **LicenseName** (*string*) –
 - * **LicenseNum** (*string*) –
- **NetworkInterface** (*list*) –
 - (*dict*) –
 - * **DeviceIndex** (*integer*) –
 - * **Dhcp** (*boolean*) –
 - * **DhcpConfigId** (*string*) –
 - * **DhcpOptionsId** (*string*) –
 - * **IpAddress** (*string*) –
 - * **IsVipNetwork** (*boolean*) –
 - * **NetworkId** (*string*) –
 - * **NetworkName** (*string*) –
 - * **RequestSecurityGroupId** (*list*) –
 - (*string*) –
- **Password** (*string*) –
- **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –
- **PublicIp** (*string*) –
- **SecurityGroup** (*list*) –
 - (*string*) –
- **UserData** (*string*) –

Return type dict

Returns

Response Syntax

```

{
  'GroupSet': [
    {
      'GroupId': 'string'
    },
  ],
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
          },
          'NoDevice': 'string',
          'VirtualName': 'string'
        },
      ],
      'CopyInfo': 'string',
      'CurrentState': {
        'Code': 123,
        'Name': 'string'
      },
      'Description': 'string',
      'DeviceIndex': 123,
      'DnsName': 'string',
      'ExpireTime': datetime(2015, 1, 1),
      'HotAdd': 'string',
      'ImageId': 'string',
      'ImageName': 'string',
      'InstanceId': 'string',
      'InstanceLifecycle': 'string',
      'InstanceState': {
        'Code': 123,
        'Name': 'string'
      },
      'InstanceType': 'string',
      'InstanceUniqueId': 'string',
      'IpAddress': 'string',
      'IpAddressV6': 'string',
      'IpType': 'string',
      'KernelId': 'string',
      'KeyName': 'string',
      'LaunchTime': datetime(2015, 1, 1),

```

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```

'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',

```

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```

        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'AllocationId': 'string',
                    'AssociationId': 'string',
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'RequesterId': 'string',
        'RequesterManaged': 'string',
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
}

```

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```

    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        },
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'OwnerId': 'string',
'RequestId': 'string',
'RequesterId': 'string',
'ReservationId': 'string'
}

```

Response Structure

- *(dict)* –
 - **GroupSet** (*list*) –
 - * *(dict)* –
 - **GroupId** (*string*) –
 - **InstancesSet** (*list*) –
 - * *(dict)* –
 - **AccountingType** (*string*) –
 - **Admin** (*string*) –
 - **AmiLaunchIndex** (*string*) –
 - **Architecture** (*string*) –
 - **Autoscaling** (*dict*) –
 - **AutoScalingGroupName** (*string*) –
 - **ExpireTime** (*datetime*) –
 - **BlockDeviceMapping** (*list*) –
 - *(dict)* –
 - **DeviceName** (*string*) –
 - **Ebs** (*dict*) –
 - **AttachTime** (*datetime*) –
 - **DeleteOnTermination** (*boolean*) –
 - **SnapshotId** (*string*) –
 - **Status** (*string*) –
 - **VolumeId** (*string*) –
 - **VolumeSize** (*integer*) –
 - **NoDevice** (*string*) –

- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descripion** (*string*) –

- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –

- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –
- **OwnerId** (*string*) –
- **RequestId** (*string*) –
- **RequesterId** (*string*) –
- **ReservationId** (*string*) –

`set_filter_for_load_balancer` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.set_filter_for_load_balancer(
    FilterType='string',
    IPAddresses=[
        {
            'AddOnFilter': True|False,
            'IPAddress': 'string'
        },
    ],
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123
)
```

Parameters

- **FilterType** (*string*) –
- **IPAddresses** (*list*) –
 - (*dict*) –
 - * **AddOnFilter** (*boolean*) –

- * **IPAddress** (*string*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
  'Filter': {
    'FilterType': 'string',
    'IPAddresses': [
      {
        'IPAddress': 'string'
      },
    ]
  },
  'ResponseMetadata': {
    'RequestId': 'string'
  },
  'SetFilterForLoadBalancerResult': {'... recursive ...'}
}
```

Response Structure

- (*dict*) –
 - **Filter** (*dict*) –
 - * **FilterType** (*string*) –
 - * **IPAddresses** (*list*) –
 - (*dict*) –
 - **IPAddress** (*string*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –
 - **SetFilterForLoadBalancerResult** (*dict*) –

start_instances (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.start_instances(
    AccountingType=[
        'string',
    ],
    InstanceId=[
        'string',
    ],
    InstanceType=[
        'string',
    ],
    NiftyIsBios=True|False,
    Tenancy=[
        'string',
    ],
    UserData='string'
)
```

Parameters

- **AccountingType** (*list*) –
– (*string*) –
- **InstanceId** (*list*) –
– (*string*) –
- **InstanceType** (*list*) –
– (*string*) –
- **NiftyIsBios** (*boolean*) –
- **Tenancy** (*list*) –
– (*string*) –
- **UserData** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
          },
          'NoDevice': 'string',
          'VirtualName': 'string'
        },
      ],
      'CopyInfo': 'string',
      'CurrentState': {
        'Code': 123,
        'Name': 'string'
      },
      'Description': 'string',
      'DeviceIndex': 123,
      'DnsName': 'string',
      'ExpireTime': datetime(2015, 1, 1),
      'HotAdd': 'string',
      'ImageId': 'string',
      'ImageName': 'string',
      'InstanceId': 'string',
      'InstanceLifecycle': 'string',
      'InstanceState': {
        'Code': 123,
```

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```

        'Name': 'string'
    },
    'InstanceType': 'string',
    'InstanceUniqueId': 'string',
    'IpAddress': 'string',
    'IpAddressV6': 'string',
    'IpType': 'string',
    'KernelId': 'string',
    'KeyName': 'string',
    'LaunchTime': datetime(2015, 1, 1),
    'Loadbalancing': [
        {
            'InstancePort': 123,
            'LoadBalancerName': 'string',
            'LoadBalancerPort': 123,
            'State': 'string'
        },
    ],
    'Monitoring': {
        'State': 'string'
    },
    'NetworkInterfaceSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'AttachmentId': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'InstanceId': 'string',
                'InstanceOwnerId': 'string',
                'Status': 'string'
            },
            'AvailabilityZone': 'string',
            'CidrBlock': 'string',
            'Description': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'InterfaceType': 'string',
            'IpAddress': 'string',
            'Ipv6AddressesSet': [
                {

```

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```

        'Ipv6Address': 'string'
    },
],
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
],
'RequesterId': 'string',
'RequesterManaged': 'string',
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': 'string',
'TagSet': [
    {
        'Key': 'string',
        'Value': 'string'
    },
],
'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    }
]

```

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```

    },
    ],
    'Placement': {
        'AvailabilityZone': 'string',
        'RegionName': 'string'
    },
    'Platform': 'string',
    'PreviousState': {
        'Code': 123,
        'Name': 'string'
    },
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'ProductCodes': [
        {
            'ProductCode': 'string'
        }
    ],
    'RamdiskId': 'string',
    'Reason': 'string',
    'RegionName': 'string',
    'RootDeviceName': 'string',
    'RootDeviceType': 'string',
    'SpotInstanceRequestId': 'string',
    'StateReason': {
        'Code': 123,
        'Message': 'string'
    },
    'SubnetId': 'string',
    'Tenancy': 'string',
    'VpcId': 'string'
},
],
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **InstancesSet** (list) –
 - * (dict) –
 - **AccountingType** (string) –
 - **Admin** (string) –
 - **AmiLaunchIndex** (string) –
 - **Architecture** (string) –
 - **Autoscaling** (dict) –
 - **AutoScalingGroupName** (string) –
 - **ExpireTime** (datetime) –
 - **BlockDeviceMapping** (list) –
 - (dict) –
 - **DeviceName** (string) –
 - **Ebs** (dict) –
 - **AttachTime** (datetime) –
 - **DeleteOnTermination** (boolean) –
 - **SnapshotId** (string) –
 - **Status** (string) –

- **VolumeId** (*string*) –
- **VolumeSize** (*integer*) –
- **NoDevice** (*string*) –
- **VirtualName** (*string*) –
- **CopyInfo** (*string*) –
- **CurrentState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **DnsName** (*string*) –
- **ExpireTime** (*datetime*) –
- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –

- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –

- **Protocol** (*string*) –
 - **NiftyPrivateIpType** (*string*) –
 - **NiftyPrivateNetworkType** (*string*) –
 - **NiftySnapshotting** (*list*) –
 - (*dict*) –
 - **State** (*string*) –
 - **Placement** (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **RegionName** (*string*) –
 - **Platform** (*string*) –
 - **PreviousState** (*dict*) –
 - **Code** (*integer*) –
 - **Name** (*string*) –
 - **PrivateDnsName** (*string*) –
 - **PrivateIpAddress** (*string*) –
 - **PrivateIpAddressV6** (*string*) –
 - **ProductCodes** (*list*) –
 - (*dict*) –
 - **ProductCode** (*string*) –
 - **RamdiskId** (*string*) –
 - **Reason** (*string*) –
 - **RegionName** (*string*) –
 - **RootDeviceName** (*string*) –
 - **RootDeviceType** (*string*) –
 - **SpotInstanceRequestId** (*string*) –
 - **StateReason** (*dict*) –
 - **Code** (*integer*) –
 - **Message** (*string*) –
 - **SubnetId** (*string*) –
 - **Tenancy** (*string*) –
 - **VpcId** (*string*) –
- **RequestId** (*string*) –

stop_instances (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.stop_instances(
    Force=True|False,
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ]
)
```

Parameters

- **Force** (*boolean*) –
- **InstanceId** (*list*) –
 - (*string*) –
- **Tenancy** (*list*) –
 - (*string*) –

Return type dict

Returns

Response Syntax

```

{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
            'Status': 'string',
            'VolumeId': 'string',
            'VolumeSize': 123
          },
          'NoDevice': 'string',
          'VirtualName': 'string'
        },
      ],
      'CopyInfo': 'string',
      'CurrentState': {
        'Code': 123,
        'Name': 'string'
      },
      'Description': 'string',
      'DeviceIndex': 123,
      'DnsName': 'string',
      'ExpireTime': datetime(2015, 1, 1),
      'HotAdd': 'string',
      'ImageId': 'string',
      'ImageName': 'string',
      'InstanceId': 'string',
      'InstanceLifecycle': 'string',
      'InstanceState': {
        'Code': 123,
        'Name': 'string'
      },
      'InstanceType': 'string',
      'InstanceUniqueId': 'string',
      'IpAddress': 'string',
      'IpAddressV6': 'string',
      'IpType': 'string',
      'KernelId': 'string',
      'KeyName': 'string',
      'LaunchTime': datetime(2015, 1, 1),
      'Loadbalancing': [
        {
          'InstancePort': 123,
          'LoadBalancerName': 'string',

```

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```

        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'AttachmentId': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'InstanceId': 'string',
            'InstanceOwnerId': 'string',
            'Status': 'string'
        },
        'AvailabilityZone': 'string',
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'InterfaceType': 'string',
        'IpAddress': 'string',
        'Ipv6AddressesSet': [
            {
                'Ipv6Address': 'string'
            },
        ],
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [

```

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```

        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    'VpcId': 'string'
},
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    }
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    }
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',

```

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```

        'ProductCodes': [
            {
                'ProductCode': 'string'
            },
        ],
        'RamdiskId': 'string',
        'Reason': 'string',
        'RegionName': 'string',
        'RootDeviceName': 'string',
        'RootDeviceType': 'string',
        'SpotInstanceRequestId': 'string',
        'StateReason': {
            'Code': 123,
            'Message': 'string'
        },
        'SubnetId': 'string',
        'Tenancy': 'string',
        'VpcId': 'string'
    },
],
'RequestId': 'string'
}

```

Response Structure

- (dict) –
 - **InstancesSet** (list) –
 - * (dict) –
 - **AccountingType** (string) –
 - **Admin** (string) –
 - **AmiLaunchIndex** (string) –
 - **Architecture** (string) –
 - **Autoscaling** (dict) –
 - **AutoScalingGroupName** (string) –
 - **ExpireTime** (datetime) –
 - **BlockDeviceMapping** (list) –
 - (dict) –
 - **DeviceName** (string) –
 - **Ebs** (dict) –
 - **AttachTime** (datetime) –
 - **DeleteOnTermination** (boolean) –
 - **SnapshotId** (string) –
 - **Status** (string) –
 - **VolumId** (string) –
 - **VolumeSize** (integer) –
 - **NoDevice** (string) –
 - **VirtualName** (string) –
 - **CopyInfo** (string) –
 - **CurrentState** (dict) –
 - **Code** (integer) –
 - **Name** (string) –
 - **Description** (string) –
 - **DeviceIndex** (integer) –
 - **DnsName** (string) –
 - **ExpireTime** (datetime) –

- **HotAdd** (*string*) –
- **ImageId** (*string*) –
- **ImageName** (*string*) –
- **InstanceId** (*string*) –
- **InstanceLifecycle** (*string*) –
- **InstanceState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **InstanceType** (*string*) –
- **InstanceUniqueId** (*string*) –
- **IpAddress** (*string*) –
- **IpAddressV6** (*string*) –
- **IpType** (*string*) –
- **KernelId** (*string*) –
- **KeyName** (*string*) –
- **LaunchTime** (*datetime*) –
- **Loadbalancing** (*list*) –
- (*dict*) –
- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Description** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –

- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –

- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –
- **VpcId** (*string*) –

– **RequestId** (*string*) –

terminate_instances (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.terminate_instances(
    InstanceId=[
        'string',
    ]
)
```

Parameters **InstanceId** (*list*) –

- (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'InstancesSet': [
    {
      'AccountingType': 'string',
      'Admin': 'string',
      'AmiLaunchIndex': 'string',
      'Architecture': 'string',
      'Autoscaling': {
        'AutoScalingGroupName': 'string',
        'ExpireTime': datetime(2015, 1, 1)
      },
      'BlockDeviceMapping': [
        {
          'DeviceName': 'string',
          'Ebs': {
            'AttachTime': datetime(2015, 1, 1),
            'DeleteOnTermination': True|False,
            'SnapshotId': 'string',
```

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```

        'Status': 'string',
        'VolumeId': 'string',
        'VolumeSize': 123
    },
    'NoDevice': 'string',
    'VirtualName': 'string'
},
],
'CopyInfo': 'string',
'CurrentState': {
    'Code': 123,
    'Name': 'string'
},
'Description': 'string',
'DeviceIndex': 123,
'DnsName': 'string',
'ExpireTime': datetime(2015, 1, 1),
'HotAdd': 'string',
'ImageId': 'string',
'ImageName': 'string',
'InstanceId': 'string',
'InstanceLifecycle': 'string',
'InstanceState': {
    'Code': 123,
    'Name': 'string'
},
'InstanceType': 'string',
'InstanceUniqueId': 'string',
'IpAddress': 'string',
'IpAddressV6': 'string',
'IpType': 'string',
'KernelId': 'string',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    }
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'AllocationId': 'string',
            'AssociationId': 'string',
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),

```

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```

        'AttachmentID': 'string',
        'AttachmentId': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'InstanceId': 'string',
        'InstanceOwnerId': 'string',
        'Status': 'string'
    },
    'AvailabilityZone': 'string',
    'CidrBlock': 'string',
    'Description': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'InterfaceType': 'string',
    'IpAddress': 'string',
    'Ipv6AddressesSet': [
        {
            'Ipv6Address': 'string'
        },
    ],
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'AllocationId': 'string',
                'AssociationId': 'string',
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'RequesterId': 'string',
    'RequesterManaged': 'string',
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',

```

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```

        'TagSet': [
            {
                'Key': 'string',
                'Value': 'string'
            },
        ],
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'NiftyElasticLoadBalancing': [
    {
        'ElasticLoadBalancerId': 'string',
        'ElasticLoadBalancerName': 'string',
        'ElasticLoadBalancerPort': 123,
        'InstancePort': 123,
        'Protocol': 'string'
    },
],
'NiftyPrivateIpType': 'string',
'NiftyPrivateNetworkType': 'string',
'NiftySnapshotting': [
    {
        'State': 'string'
    },
],
'Placement': {
    'AvailabilityZone': 'string',
    'RegionName': 'string'
},
'Platform': 'string',
'PreviousState': {
    'Code': 123,
    'Name': 'string'
},
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'ProductCodes': [
    {
        'ProductCode': 'string'
    },
],
'RamdiskId': 'string',
'Reason': 'string',
'RegionName': 'string',
'RootDeviceName': 'string',
'RootDeviceType': 'string',
'SpotInstanceRequestId': 'string',
'StateReason': {
    'Code': 123,
    'Message': 'string'
},
'SubnetId': 'string',
'Tenancy': 'string',
'VpcId': 'string'
},

```

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```

],
  'RequestId': 'string'
}

```

Response Structure

- *(dict)* –
 - **InstancesSet** (*list*) –
 - * *(dict)* –
 - **AccountingType** (*string*) –
 - **Admin** (*string*) –
 - **AmiLaunchIndex** (*string*) –
 - **Architecture** (*string*) –
 - **Autoscaling** (*dict*) –
 - **AutoScalingGroupName** (*string*) –
 - **ExpireTime** (*datetime*) –
 - **BlockDeviceMapping** (*list*) –
 - *(dict)* –
 - **DeviceName** (*string*) –
 - **Ebs** (*dict*) –
 - **AttachTime** (*datetime*) –
 - **DeleteOnTermination** (*boolean*) –
 - **SnapshotId** (*string*) –
 - **Status** (*string*) –
 - **VolumeId** (*string*) –
 - **VolumeSize** (*integer*) –
 - **NoDevice** (*string*) –
 - **VirtualName** (*string*) –
 - **CopyInfo** (*string*) –
 - **CurrentState** (*dict*) –
 - **Code** (*integer*) –
 - **Name** (*string*) –
 - **Description** (*string*) –
 - **DeviceIndex** (*integer*) –
 - **DnsName** (*string*) –
 - **ExpireTime** (*datetime*) –
 - **HotAdd** (*string*) –
 - **ImageId** (*string*) –
 - **ImageName** (*string*) –
 - **InstanceId** (*string*) –
 - **InstanceLifecycle** (*string*) –
 - **InstanceState** (*dict*) –
 - **Code** (*integer*) –
 - **Name** (*string*) –
 - **InstanceType** (*string*) –
 - **InstanceUniqueId** (*string*) –
 - **IpAddress** (*string*) –
 - **IpAddressV6** (*string*) –
 - **IpType** (*string*) –
 - **KernelId** (*string*) –
 - **KeyName** (*string*) –
 - **LaunchTime** (*datetime*) –
 - **Loadbalancing** (*list*) –
 - *(dict)* –

- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **State** (*string*) –
- **Monitoring** (*dict*) –
- **State** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **AttachmentId** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **InstanceId** (*string*) –
- **InstanceOwnerId** (*string*) –
- **Status** (*string*) –
- **AvailabilityZone** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **InterfaceType** (*string*) –
- **IpAddress** (*string*) –
- **Ipv6AddressesSet** (*list*) –
- (*dict*) –
- **Ipv6Address** (*string*) –
- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
- **NetworkName** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **AllocationId** (*string*) –
- **AssociationId** (*string*) –

- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **RequesterId** (*string*) –
- **RequesterManaged** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **TagSet** (*list*) –
- (*dict*) –
- **Key** (*string*) –
- **Value** (*string*) –
- **VpcId** (*string*) –
- **NextMonthAccountingType** (*string*) –
- **NiftyElasticLoadBalancing** (*list*) –
- (*dict*) –
- **ElasticLoadBalancerId** (*string*) –
- **ElasticLoadBalancerName** (*string*) –
- **ElasticLoadBalancerPort** (*integer*) –
- **InstancePort** (*integer*) –
- **Protocol** (*string*) –
- **NiftyPrivateIpType** (*string*) –
- **NiftyPrivateNetworkType** (*string*) –
- **NiftySnapshotting** (*list*) –
- (*dict*) –
- **State** (*string*) –
- **Placement** (*dict*) –
- **AvailabilityZone** (*string*) –
- **RegionName** (*string*) –
- **Platform** (*string*) –
- **PreviousState** (*dict*) –
- **Code** (*integer*) –
- **Name** (*string*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **PrivateIpAddressV6** (*string*) –
- **ProductCodes** (*list*) –
- (*dict*) –
- **ProductCode** (*string*) –
- **RamdiskId** (*string*) –
- **Reason** (*string*) –
- **RegionName** (*string*) –
- **RootDeviceName** (*string*) –
- **RootDeviceType** (*string*) –
- **SpotInstanceRequestId** (*string*) –
- **StateReason** (*dict*) –
- **Code** (*integer*) –
- **Message** (*string*) –
- **SubnetId** (*string*) –
- **Tenancy** (*string*) –

- **VpcId** (*string*) –
- **RequestId** (*string*) –

update_load_balancer (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.update_load_balancer(
    AccountingTypeUpdate=123,
    ListenerUpdate={
        'InstancePort': 123,
        'LoadBalancerPort': 123,
        'RequestListenerStruct': {
            'BalancingType': 'string',
            'InstancePort': 123,
            'LoadBalancerPort': 123,
            'Protocol': 'string'
        }
    },
    LoadBalancerName='string',
    NetworkVolumeUpdate=123
)
```

Parameters

- **AccountingTypeUpdate** (*integer*) –
- **ListenerUpdate** (*dict*) –
 - **InstancePort** (*integer*) –
 - **LoadBalancerPort** (*integer*) –
 - **RequestListenerStruct** (*dict*) –
 - * **BalancingType** (*string*) –
 - * **InstancePort** (*integer*) –
 - * **LoadBalancerPort** (*integer*) –
 - * **Protocol** (*string*) –
- **LoadBalancerName** (*string*) –
- **NetworkVolumeUpdate** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}
```

Response Structure

- (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

update_load_balancer_option (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.update_load_balancer_option(
    InstancePort=123,
    LoadBalancerName='string',
    LoadBalancerPort=123,
    SessionStickinessPolicyUpdate={
        'Enable': True|False,
        'ExpirationPeriod': 123
    },
    SorryPageUpdate={
        'Enable': True|False,
        'StatusCode': 123
    }
)

```

Parameters

- **InstancePort** (*integer*) –
- **LoadBalancerName** (*string*) –
- **LoadBalancerPort** (*integer*) –
- **SessionStickinessPolicyUpdate** (*dict*) –
 - **Enable** (*boolean*) –
 - **ExpirationPeriod** (*integer*) –
- **SorryPageUpdate** (*dict*) –
 - **Enable** (*boolean*) –
 - **StatusCode** (*integer*) –

Return type `dict`**Returns****Response Syntax**

```

{
    'ResponseMetadata': {
        'RequestId': 'string'
    }
}

```

Response Structure

- (*dict*) –
 - **ResponseMetadata** (*dict*) –
 - * **RequestId** (*string*) –

update_security_group (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.update_security_group(
    GroupDescriptionUpdate='string',
    GroupLogLimitUpdate=123,
    GroupName='string',
    GroupNameUpdate='string'
)

```

Parameters

- **GroupDescriptionUpdate** (*string*) –
- **GroupLogLimitUpdate** (*integer*) –
- **GroupName** (*string*) –
- **GroupNameUpdate** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

update_security_group_option (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.update_security_group_option(
    SecurityGroupLimitUpdate=123
)
```

Parameters **SecurityGroupLimitUpdate** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
    'RequestId': 'string',
    'Return': True|False
}
```

Response Structure

- (*dict*) –
 - **RequestId** (*string*) –
 - **Return** (*boolean*) –

upload_ssl_certificate (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.upload_ssl_certificate(
    Ca='string',
    Certificate='string',
    Key='string'
)
```

Parameters

- **Ca** (*string*) –
- **Certificate** (*string*) –
- **Key** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'Fqdn': 'string',
  'FqdnId': 'string',
  'KeyFingerprint': 'string',
  'RequestId': 'string'
}
```

Response Structure

- (*dict*) –
 - **Fqdn** (*string*) –
 - **FqdnId** (*string*) –
 - **KeyFingerprint** (*string*) –
 - **RequestId** (*string*) –

1.1.2 Waiters

The available waiters are:

- `computing.Waiter.InstanceDeleted`
- `computing.Waiter.InstanceExists`
- `computing.Waiter.InstanceRunning`
- `computing.Waiter.InstanceStopped`

class `computing.Waiter.InstanceDeleted`

```
waiter = client.get_waiter('instance_deleted')
```

wait (***kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: [AWS API Documentation](#)

Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceId** (*list*) –
 - (*string*) –
- **Tenancy** (*list*) –
 - (*string*) –

- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
 - **Delay** (*integer*) –
The amount of time in seconds to wait between attempts. Default: 20
 - **MaxAttempts** (*integer*) –
The maximum number of attempts to be made. Default: 40

Returns None

class `computing.Waiter.InstanceExists`

```
waiter = client.get_waiter('instance_exists')
```

wait (***kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: [AWS API Documentation](#)

Request Syntax

```
waiter.wait(
    InstanceId=[
        'string',
    ],
    Tenancy=[
        'string',
    ],
    WaiterConfig={
        'Delay': 123,
        'MaxAttempts': 123
    }
)
```

Parameters

- **InstanceId** (*list*) –
 - (*string*) –
- **Tenancy** (*list*) –
 - (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
 - **Delay** (*integer*) –
The amount of time in seconds to wait between attempts. Default: 20
 - **MaxAttempts** (*integer*) –
The maximum number of attempts to be made. Default: 40

Returns None

class `computing.Waiter.InstanceRunning`

```
waiter = client.get_waiter('instance_running')
```

wait (***kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: [AWS API Documentation](#)

Request Syntax

```
waiter.wait(  
    InstanceId=[  
        'string',  
    ],  
    Tenancy=[  
        'string',  
    ],  
    WaiterConfig={  
        'Delay': 123,  
        'MaxAttempts': 123  
    }  
)
```

Parameters

- **InstanceId** (*list*) –
 - (*string*) –
- **Tenancy** (*list*) –
 - (*string*) –
- **WaiterConfig** (*dict*) – A dictionary that provides parameters to control waiting behavior.
 - **Delay** (*integer*) –
The amount of time in seconds to wait between attempts. Default: 20
 - **MaxAttempts** (*integer*) –
The maximum number of attempts to be made. Default: 40

Returns None

class `computing.Waiter.InstanceStopped`

```
waiter = client.get_waiter('instance_stopped')
```

wait (***kwargs*)

Polls `computing.Client.describe_instances()` every 20 seconds until a successful state is reached. An error is returned after 40 failed checks.

See also: [AWS API Documentation](#)

Request Syntax

```
waiter.wait(  
    InstanceId=[  
        'string',  
    ],  
    Tenancy=[  
        'string',  
    ],  
    WaiterConfig={  
        'Delay': 123,  
        'MaxAttempts': 123  
    }  
)
```

Parameters

- **InstanceId** (*list*) –

- (*string*)-
- **Tenancy** (*list*)-
 - (*string*)-
- **WaiterConfig** (*dict*)- A dictionary that provides parameters to control waiting behavior.
 - **Delay** (*integer*)-
 - The amount of time in seconds to wait between attempts. Default: 20
 - **MaxAttempts** (*integer*)-
 - The maximum number of attempts to be made. Default: 40

Returns None

1.2 nas

Table of Contents

- *nas*
 - *Client*

1.2.1 Client

class `nas.Client`

A low-level client representing NIFCLOUD NAS:

```
client = session.create_client('nas')
```

These are the available methods:

- `authorize_nas_security_group_ingress()`
- `can_paginate()`
- `create_nas_instance()`
- `create_nas_security_group()`
- `delete_nas_instance()`
- `delete_nas_security_group()`
- `describe_nas_instances()`
- `describe_nas_security_groups()`
- `generate_presigned_url()`
- `get_metric_statistics()`
- `get_paginator()`
- `get_waiter()`
- `modify_nas_instance()`
- `modify_nas_security_group()`
- `revoke_nas_security_group_ingress()`

authorize_nas_security_group_ingress (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.authorize_nas_security_group_ingress(
    CIDRIP='string',
    NASSecurityGroupName='string',
```

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```
SecurityGroupName='string'
)
```

Parameters

- **CIDRIP** (*string*) –
- **NASSecurityGroupName** (*string*) –
- **SecurityGroupName** (*string*) –

Return type dict**Returns****Response Syntax**

```
{
  'NASSecurityGroup': {
    'AvailabilityZone': 'string',
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NASSecurityGroupDescription': 'string',
    'NASSecurityGroupName': 'string',
    'OwnerId': 'string',
    'SecurityGroups': [
      {
        'SecurityGroupName': 'string',
        'SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
  ]
}
```

Response Structure

- (*dict*) –
 - **NASSecurityGroup** (*dict*) –
 - * **AvailabilityZone** (*string*) –
 - * **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - * **NASSecurityGroupDescription** (*string*) –
 - * **NASSecurityGroupName** (*string*) –
 - * **OwnerId** (*string*) –
 - * **SecurityGroups** (*list*) –
 - (*dict*) –
 - **SecurityGroupName** (*string*) –
 - **SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –

can_paginate (*operation_name*)

Check if an operation can be paginated.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`,

if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns True if the operation can be paginated, False otherwise.

create_nas_instance (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_nas_instance(
    AllocatedStorage=123,
    AvailabilityZone='string',
    MasterPrivateAddress='string',
    MasterUserPassword='string',
    MasterUsername='string',
    NASInstanceDescription='string',
    NASInstanceIdentifier='string',
    NASInstanceType=123,
    NASSecurityGroups=[
        'string',
    ],
    NetworkId='string',
    Protocol='string'
)
```

Parameters

- **AllocatedStorage** (*integer*) –
- **AvailabilityZone** (*string*) –
- **MasterPrivateAddress** (*string*) –
- **MasterUserPassword** (*string*) –
- **MasterUsername** (*string*) –
- **NASInstanceDescription** (*string*) –
- **NASInstanceIdentifier** (*string*) –
- **NASInstanceType** (*integer*) –
- **NASSecurityGroups** (*list*) –
– (*string*) –
- **NetworkId** (*string*) –
- **Protocol** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'NASInstance': {
    'AllocatedStorage': 'string',
    'AuthenticationType': 123,
    'AvailabilityZone': 'string',
    'CreateTime': 'string',
    'DirectoryServiceDomainName': 'string',
    'DomainControllers': [
      {
        'Hostname': 'string',
        'IPAddress': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
```

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```

        'PrivateAddress': 'string'
    },
    'MasterUsername': 'string',
    'NASInstanceClass': 'string',
    'NASInstanceDescription': 'string',
    'NASInstanceErrorInfo': {
        'NASInstanceErrorCode': 'string',
        'NASInstanceErrorMessage': 'string'
    },
    'NASInstanceIdentifier': 'string',
    'NASInstanceStatus': 'string',
    'NASInstanceType': 123,
    'NASSecurityGroups': [
        {
            'AvailabilityZone': 'string',
            'IPRanges': [
                {
                    'CIDRIP': 'string',
                    'Status': 'string'
                }
            ],
            'NASSecurityGroupDescription': 'string',
            'NASSecurityGroupName': 'string',
            'OwnerId': 'string',
            'SecurityGroups': [
                {
                    'SecurityGroupName': 'string',
                    'SecurityGroupOwnerId': 'string',
                    'Status': 'string'
                }
            ]
        }
    ],
    'NetworkId': 'string',
    'NoRootSquash': 'string',
    'Protocol': 'string',
    'StorageType': 123
}

```

Response Structure

- (dict) –
 - **NASInstance** (dict) –
 - * **AllocatedStorage** (string) –
 - * **AuthenticationType** (integer) –
 - * **AvailabilityZone** (string) –
 - * **CreateTime** (string) –
 - * **DirectoryServiceDomainName** (string) –
 - * **DomainControllers** (list) –
 - (dict) –
 - **Hostname** (string) –
 - **IPAddress** (string) –
 - * **Endpoint** (dict) –
 - **Address** (string) –
 - **PrivateAddress** (string) –
 - * **MasterUsername** (string) –

- * **NASInstanceClass** (*string*) –
- * **NASInstanceDescription** (*string*) –
- * **NASInstanceErrorInfo** (*dict*) –
 - **NASInstanceErrorCode** (*string*) –
 - **NASInstanceErrorMessage** (*string*) –
- * **NASInstanceIdentifier** (*string*) –
- * **NASInstanceStatus** (*string*) –
- * **NASInstanceType** (*integer*) –
- * **NASSecurityGroups** (*list*) –
 - (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NASSecurityGroupDescription** (*string*) –
 - **NASSecurityGroupName** (*string*) –
 - **OwnerId** (*string*) –
 - **SecurityGroups** (*list*) –
 - (*dict*) –
 - **SecurityGroupName** (*string*) –
 - **SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
- * **NetworkId** (*string*) –
- * **NoRootSquash** (*string*) –
- * **Protocol** (*string*) –
- * **StorageType** (*integer*) –

create_nas_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_nas_security_group(
    AvailabilityZone='string',
    NASSecurityGroupDescription='string',
    NASSecurityGroupName='string'
)
```

Parameters

- **AvailabilityZone** (*string*) –
- **NASSecurityGroupDescription** (*string*) –
- **NASSecurityGroupName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'NASSecurityGroup': {
    'AvailabilityZone': 'string',
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
  },
}
```

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```

    ],
    'NASSecurityGroupDescription': 'string',
    'NASSecurityGroupName': 'string',
    'OwnerId': 'string',
    'SecurityGroups': [
        {
            'SecurityGroupName': 'string',
            'SecurityGroupOwnerId': 'string',
            'Status': 'string'
        },
    ]
}

```

Response Structure

- (*dict*) –
 - **NASSecurityGroup** (*dict*) –
 - * **AvailabilityZone** (*string*) –
 - * **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - * **NASSecurityGroupDescription** (*string*) –
 - * **NASSecurityGroupName** (*string*) –
 - * **OwnerId** (*string*) –
 - * **SecurityGroups** (*list*) –
 - (*dict*) –
 - **SecurityGroupName** (*string*) –
 - **SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –

delete_nas_instance (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.delete_nas_instance(
    DirectoryServiceAdministratorName='string',
    DirectoryServiceAdministratorPassword='string',
    NASInstanceIdentifier='string'
)

```

Parameters

- **DirectoryServiceAdministratorName** (*string*) –
- **DirectoryServiceAdministratorPassword** (*string*) –
- **NASInstanceIdentifier** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
    'NASInstance': {
        'AllocatedStorage': 'string',
        'AuthenticationType': 123,
        'AvailabilityZone': 'string',

```

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```

'CreateTime': 'string',
'DirectoryServiceDomainName': 'string',
'DomainControllers': [
  {
    'Hostname': 'string',
    'IPAddress': 'string'
  },
],
'Endpoint': {
  'Address': 'string',
  'PrivateAddress': 'string'
},
'MasterUsername': 'string',
'NASInstanceClass': 'string',
'NASInstanceDescription': 'string',
'NASInstanceErrorInfo': {
  'NASInstanceErrorCode': 'string',
  'NASInstanceErrorMessage': 'string'
},
'NASInstanceIdentifier': 'string',
'NASInstanceStatus': 'string',
'NASInstanceType': 123,
'NASSecurityGroups': [
  {
    'AvailabilityZone': 'string',
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NASSecurityGroupDescription': 'string',
    'NASSecurityGroupName': 'string',
    'OwnerId': 'string',
    'SecurityGroups': [
      {
        'SecurityGroupName': 'string',
        'SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
  },
],
'NetworkId': 'string',
'NoRootSquash': 'string',
'Protocol': 'string',
'StorageType': 123
}
}

```

Response Structure

- (*dict*) –
 - **NASInstance** (*dict*) –
 - * **AllocatedStorage** (*string*) –
 - * **AuthenticationType** (*integer*) –
 - * **AvailabilityZone** (*string*) –
 - * **CreateTime** (*string*) –

- * **DirectoryServiceDomainName** (*string*) –
- * **DomainControllers** (*list*) –
 - (*dict*) –
 - **Hostname** (*string*) –
 - **IPAddress** (*string*) –
- * **Endpoint** (*dict*) –
 - **Address** (*string*) –
 - **PrivateAddress** (*string*) –
- * **MasterUsername** (*string*) –
- * **NASInstanceClass** (*string*) –
- * **NASInstanceDescription** (*string*) –
- * **NASInstanceErrorInfo** (*dict*) –
 - **NASInstanceErrorCode** (*string*) –
 - **NASInstanceErrorMessage** (*string*) –
- * **NASInstanceIdentifier** (*string*) –
- * **NASInstanceStatus** (*string*) –
- * **NASInstanceType** (*integer*) –
- * **NASSecurityGroups** (*list*) –
 - (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NASSecurityGroupDescription** (*string*) –
 - **NASSecurityGroupName** (*string*) –
 - **OwnerId** (*string*) –
 - **SecurityGroups** (*list*) –
 - (*dict*) –
 - **SecurityGroupName** (*string*) –
 - **SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
- * **NetworkId** (*string*) –
- * **NoRootSquash** (*string*) –
- * **Protocol** (*string*) –
- * **StorageType** (*integer*) –

delete_nas_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_nas_security_group(  
    NASSecurityGroupName='string'  
)
```

Parameters **NASSecurityGroupName** (*string*) –

Returns None

describe_nas_instances (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_nas_instances(  
    NASInstanceIdentifier='string'
```

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)

Parameters `NASInstanceIdentifier` (*string*)–**Return type** dict**Returns****Response Syntax**

```

{
  'NASInstances': [
    {
      'AllocatedStorage': 'string',
      'AuthenticationType': 123,
      'AvailabilityZone': 'string',
      'CreateTime': 'string',
      'DirectoryServiceDomainName': 'string',
      'DomainControllers': [
        {
          'Hostname': 'string',
          'IPAddress': 'string'
        },
      ],
      'Endpoint': {
        'Address': 'string',
        'PrivateAddress': 'string'
      },
      'MasterUsername': 'string',
      'NASInstanceClass': 'string',
      'NASInstanceDescription': 'string',
      'NASInstanceErrorInfo': {
        'NASInstanceErrorCode': 'string',
        'NASInstanceErrorMessage': 'string'
      },
      'NASInstanceIdentifier': 'string',
      'NASInstanceStatus': 'string',
      'NASInstanceType': 123,
      'NASSecurityGroups': [
        {
          'AvailabilityZone': 'string',
          'IPRanges': [
            {
              'CIDRIP': 'string',
              'Status': 'string'
            },
          ],
          'NASSecurityGroupDescription': 'string',
          'NASSecurityGroupName': 'string',
          'OwnerId': 'string',
          'SecurityGroups': [
            {
              'SecurityGroupName': 'string',
              'SecurityGroupOwnerId': 'string',
              'Status': 'string'
            },
          ],
        },
      ],
    },
  ],
}

```

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```

        'NetworkId': 'string',
        'NoRootSquash': 'string',
        'Protocol': 'string',
        'StorageType': 123
    },
]
}

```

Response Structure

- (*dict*) –
 - **NASInstances** (*list*) –
 - * (*dict*) –
 - **AllocatedStorage** (*string*) –
 - **AuthenticationType** (*integer*) –
 - **AvailabilityZone** (*string*) –
 - **CreateTime** (*string*) –
 - **DirectoryServiceDomainName** (*string*) –
 - **DomainControllers** (*list*) –
 - (*dict*) –
 - **Hostname** (*string*) –
 - **IPAddress** (*string*) –
 - **Endpoint** (*dict*) –
 - **Address** (*string*) –
 - **PrivateAddress** (*string*) –
 - **MasterUsername** (*string*) –
 - **NASInstanceClass** (*string*) –
 - **NASInstanceDescription** (*string*) –
 - **NASInstanceErrorInfo** (*dict*) –
 - **NASInstanceErrorCode** (*string*) –
 - **NASInstanceErrorMessage** (*string*) –
 - **NASInstanceIdentifier** (*string*) –
 - **NASInstanceStatus** (*string*) –
 - **NASInstanceType** (*integer*) –
 - **NASSecurityGroups** (*list*) –
 - (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NASSecurityGroupDescription** (*string*) –
 - **NASSecurityGroupName** (*string*) –
 - **OwnerId** (*string*) –
 - **SecurityGroups** (*list*) –
 - (*dict*) –
 - **SecurityGroupName** (*string*) –
 - **SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
 - **NetworkId** (*string*) –
 - **NoRootSquash** (*string*) –
 - **Protocol** (*string*) –
 - **StorageType** (*integer*) –

`describe_nas_security_groups` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_nas_security_groups(
    NASSecurityGroupName='string'
)
```

Parameters `NASSecurityGroupName` (*string*)–

Return type dict

Returns

Response Syntax

```
{
  'NASSecurityGroups': [
    {
      'AvailabilityZone': 'string',
      'IPRanges': [
        {
          'CIDRIP': 'string',
          'Status': 'string'
        },
      ],
      'NASSecurityGroupDescription': 'string',
      'NASSecurityGroupName': 'string',
      'OwnerId': 'string',
      'SecurityGroups': [
        {
          'SecurityGroupName': 'string',
          'SecurityGroupOwnerId': 'string',
          'Status': 'string'
        },
      ],
    },
  ]
}
```

Response Structure

- (*dict*) –
 - **NASSecurityGroups** (*list*) –
 - * (*dict*) –
 - **AvailabilityZone** (*string*) –
 - **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NASSecurityGroupDescription** (*string*) –
 - **NASSecurityGroupName** (*string*) –
 - **OwnerId** (*string*) –
 - **SecurityGroups** (*list*) –
 - (*dict*) –
 - **SecurityGroupName** (*string*) –
 - **SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –

generate_presigned_url (*ClientMethod*, *Params=None*, *ExpiresIn=3600*, *HttpMethod=None*)

Generate a presigned url given a client, its method, and arguments

Parameters

- **ClientMethod** (*string*) – The client method to presign for
- **Params** (*dict*) – The parameters normally passed to `ClientMethod`.
- **ExpiresIn** (*int*) – The number of seconds the presigned url is valid for. By default it expires in an hour (3600 seconds)
- **HttpMethod** (*string*) – The http method to use on the generated url. By default, the http method is whatever is used in the method's model.

Returns The presigned url

`get_metric_statistics` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.get_metric_statistics(  
    Dimensions=[  
        {  
            'Name': 'string',  
            'Value': 'string'  
        },  
    ],  
    EndTime=datetime(2015, 1, 1),  
    MetricName='string',  
    StartTime=datetime(2015, 1, 1)  
)
```

Parameters

- **Dimensions** (*list*) –
 - (*dict*) –
 - * **Name** (*string*) –
 - * **Value** (*string*) –
- **EndTime** (*datetime*) –
- **MetricName** (*string*) –
- **StartTime** (*datetime*) –

Return type dict

Returns

Response Syntax

```
{  
    'Datapoints': [  
        {  
            'SampleCount': 'string',  
            'Sum': 'string',  
            'TargetName': 'string',  
            'Timestamp': 'string'  
        },  
    ],  
    'Label': 'string'  
}
```

Response Structure

- (*dict*) –
 - **Datapoints** (*list*) –
 - * (*dict*) –
 - **SampleCount** (*string*) –
 - **Sum** (*string*) –
 - **TargetName** (*string*) –

- **Timestamp** (*string*) –
- **Label** (*string*) –

get_paginator (*operation_name*)

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type `L{botocore.paginate.Paginator}`

Returns A paginator object.

get_waiter (*waiter_name*)

Returns an object that can wait for some condition.

Parameters **waiter_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type `botocore.waiter.Waiter`

modify_nas_instance (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.modify_nas_instance(
    AllocatedStorage=123,
    AuthenticationType=123,
    DirectoryServiceAdministratorName='string',
    DirectoryServiceAdministratorPassword='string',
    DirectoryServiceDomainName='string',
    DomainControllers=[
        {
            'Hostname': 'string',
            'IPAddress': 'string'
        },
    ],
    MasterPrivateAddress='string',
    MasterUserPassword='string',
    NASInstanceDescription='string',
    NASInstanceIdentifier='string',
    NASSecurityGroups=[
        'string',
    ],
    NetworkId='string',
    NewNASInstanceIdentifier='string'
)
```

Parameters

- **AllocatedStorage** (*integer*) –
- **AuthenticationType** (*integer*) –
- **DirectoryServiceAdministratorName** (*string*) –
- **DirectoryServiceAdministratorPassword** (*string*) –
- **DirectoryServiceDomainName** (*string*) –
- **DomainControllers** (*list*) –
 - (*dict*) –

- * **Hostname** (*string*)–
- * **IPAddress** (*string*)–
- **MasterPrivateAddress** (*string*)–
- **MasterUserPassword** (*string*)–
- **NASInstanceDescription** (*string*)–
- **NASInstanceIdentifier** (*string*)–
- **NASSecurityGroups** (*list*)–
– (*string*)–
- **NetworkId** (*string*)–
- **NewNASInstanceIdentifier** (*string*)–

Return type dict

Returns

Response Syntax

```
{
  'NASInstance': {
    'AllocatedStorage': 'string',
    'AuthenticationType': 123,
    'AvailabilityZone': 'string',
    'CreateTime': 'string',
    'DirectoryServiceDomainName': 'string',
    'DomainControllers': [
      {
        'Hostname': 'string',
        'IPAddress': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
      'PrivateAddress': 'string'
    },
    'MasterUsername': 'string',
    'NASInstanceClass': 'string',
    'NASInstanceDescription': 'string',
    'NASInstanceErrorInfo': {
      'NASInstanceErrorCode': 'string',
      'NASInstanceErrorMessage': 'string'
    },
    'NASInstanceIdentifier': 'string',
    'NASInstanceStatus': 'string',
    'NASInstanceType': 123,
    'NASSecurityGroups': [
      {
        'AvailabilityZone': 'string',
        'IPRanges': [
          {
            'CIDRIP': 'string',
            'Status': 'string'
          },
        ],
        'NASSecurityGroupDescription': 'string',
        'NASSecurityGroupName': 'string',
        'OwnerId': 'string',
        'SecurityGroups': [
          {
            'SecurityGroupName': 'string',
```

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```

        'SecurityGroupOwnerId': 'string',
        'Status': 'string'
    },
    ],
    ],
    'NetworkId': 'string',
    'NoRootSquash': 'string',
    'Protocol': 'string',
    'StorageType': 123
}
}

```

Response Structure

- *(dict)* –
 - **NASInstance** (*dict*) –
 - * **AllocatedStorage** (*string*) –
 - * **AuthenticationType** (*integer*) –
 - * **AvailabilityZone** (*string*) –
 - * **CreateTime** (*string*) –
 - * **DirectoryServiceDomainName** (*string*) –
 - * **DomainControllers** (*list*) –
 - *(dict)* –
 - **Hostname** (*string*) –
 - **IPAddress** (*string*) –
 - * **Endpoint** (*dict*) –
 - **Address** (*string*) –
 - **PrivateAddress** (*string*) –
 - * **MasterUsername** (*string*) –
 - * **NASInstanceClass** (*string*) –
 - * **NASInstanceDescription** (*string*) –
 - * **NASInstanceErrorInfo** (*dict*) –
 - **NASInstanceErrorCode** (*string*) –
 - **NASInstanceErrorMessage** (*string*) –
 - * **NASInstanceIdentifier** (*string*) –
 - * **NASInstanceStatus** (*string*) –
 - * **NASInstanceType** (*integer*) –
 - * **NASSecurityGroups** (*list*) –
 - *(dict)* –
 - **AvailabilityZone** (*string*) –
 - **IPRanges** (*list*) –
 - *(dict)* –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NASSecurityGroupDescription** (*string*) –
 - **NASSecurityGroupName** (*string*) –
 - **OwnerId** (*string*) –
 - **SecurityGroups** (*list*) –
 - *(dict)* –
 - **SecurityGroupName** (*string*) –
 - **SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
 - * **NetworkId** (*string*) –
 - * **NoRootSquash** (*string*) –

- * **Protocol** (*string*) –
- * **StorageType** (*integer*) –

modify_nas_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.modify_nas_security_group(  
    NASSecurityGroupDescription='string',  
    NASSecurityGroupName='string',  
    NewNASSecurityGroupName='string'  
)
```

Parameters

- **NASSecurityGroupDescription** (*string*) –
- **NASSecurityGroupName** (*string*) –
- **NewNASSecurityGroupName** (*string*) –

Return type: dict

Returns

Response Syntax

```
{  
    'NASSecurityGroup': {  
        'AvailabilityZone': 'string',  
        'IPRanges': [  
            {  
                'CIDRIP': 'string',  
                'Status': 'string'  
            },  
        ],  
        'NASSecurityGroupDescription': 'string',  
        'NASSecurityGroupName': 'string',  
        'OwnerId': 'string',  
        'SecurityGroups': [  
            {  
                'SecurityGroupName': 'string',  
                'SecurityGroupOwnerId': 'string',  
                'Status': 'string'  
            },  
        ],  
    }  
}
```

Response Structure

- (*dict*) –
 - **NASSecurityGroup** (*dict*) –
 - * **AvailabilityZone** (*string*) –
 - * **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - * **NASSecurityGroupDescription** (*string*) –
 - * **NASSecurityGroupName** (*string*) –
 - * **OwnerId** (*string*) –
 - * **SecurityGroups** (*list*) –
 - (*dict*) –

- **SecurityGroupName** (*string*) –
- **SecurityGroupOwnerId** (*string*) –
- **Status** (*string*) –

revoke_nas_security_group_ingress (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.revoke_nas_security_group_ingress(
    CIDRIP='string',
    NASSecurityGroupName='string',
    SecurityGroupName='string'
)
```

Parameters

- **CIDRIP** (*string*) –
- **NASSecurityGroupName** (*string*) –
- **SecurityGroupName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'NASSecurityGroup': {
    'AvailabilityZone': 'string',
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NASSecurityGroupDescription': 'string',
    'NASSecurityGroupName': 'string',
    'OwnerId': 'string',
    'SecurityGroups': [
      {
        'SecurityGroupName': 'string',
        'SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
  }
}
```

Response Structure

- (*dict*) –
 - **NASSecurityGroup** (*dict*) –
 - * **AvailabilityZone** (*string*) –
 - * **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - * **NASSecurityGroupDescription** (*string*) –
 - * **NASSecurityGroupName** (*string*) –
 - * **OwnerId** (*string*) –
 - * **SecurityGroups** (*list*) –

- (*dict*) –
- **SecurityGroupName** (*string*) –
- **SecurityGroupOwnerId** (*string*) –
- **Status** (*string*) –

1.3 rdb

Table of Contents

- *rdb*
 - *Client*

1.3.1 Client

class `rdb.Client`

A low-level client representing NIFCLOUD RDB:

```
client = session.create_client('rdb')
```

These are the available methods:

- `add_source_identifier_to_subscription()`
- `authorize_db_security_group_ingress()`
- `can_paginate()`
- `copy_db_snapshot()`
- `create_db_instance()`
- `create_db_instance_read_replica()`
- `create_db_parameter_group()`
- `create_db_security_group()`
- `create_db_snapshot()`
- `create_event_subscription()`
- `delete_db_instance()`
- `delete_db_parameter_group()`
- `delete_db_security_group()`
- `delete_db_snapshot()`
- `delete_event_subscription()`
- `describe_db_engine_versions()`
- `describe_db_instances()`
- `describe_db_log_files()`
- `describe_db_parameter_groups()`
- `describe_db_parameters()`
- `describe_db_security_groups()`
- `describe_db_snapshots()`
- `describe_engine_default_parameters()`
- `describe_event_categories()`
- `describe_event_subscriptions()`
- `describe_events()`
- `describe_orderable_db_instance_options()`
- `download_db_log_file_portion()`
- `generate_presigned_url()`

- `get_paginator()`
 - `get_waiter()`
 - `modify_db_instance()`
 - `modify_db_parameter_group()`
 - `modify_event_subscription()`
 - `nifty_failover_db_instance()`
 - `nifty_get_metric_statistics()`
 - `reboot_db_instance()`
 - `remove_source_identifier_from_subscription()`
 - `reset_db_parameter_group()`
 - `restore_db_instance_from_db_snapshot()`
 - `restore_db_instance_to_point_in_time()`
 - `revoke_db_security_group_ingress()`
- add_source_identifier_to_subscription** (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.add_source_identifier_to_subscription(
    SourceIdentifier='string',
    SubscriptionName='string'
)
```

Parameters

- **SourceIdentifier** (*string*) –
- **SubscriptionName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'EventSubscription': {
    'CustSubscriptionId': 'string',
    'Enabled': 'string',
    'EventCategoriesList': [
      'string',
    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
      'string',
    ],
    'SourceIdsList': [
      'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **EventSubscription** (*dict*) –
 - * **CustSubscriptionId** (*string*) –
 - * **Enabled** (*string*) –
 - * **EventCategoriesList** (*list*) –

- (string) –
- * **NiftyDescription** (string) –
- * **NiftyEmailAddressesList** (list) –
 - (string) –
- * **SourceIdsList** (list) –
 - (string) –
- * **SourceType** (string) –
- * **Status** (string) –
- * **SubscriptionCreationTime** (string) –

authorize_db_security_group_ingress (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.authorize_db_security_group_ingress(  
    CIDRIP='string',  
    DBSecurityGroupName='string',  
    EC2SecurityGroupName='string'  
)
```

Parameters

- **CIDRIP** (string) –
- **DBSecurityGroupName** (string) –
- **EC2SecurityGroupName** (string) –

Return type dict

Returns

Response Syntax

```
{  
    'DBSecurityGroup': {  
        'DBSecurityGroupDescription': 'string',  
        'DBSecurityGroupName': 'string',  
        'EC2SecurityGroups': [  
            {  
                'EC2SecurityGroupName': 'string',  
                'EC2SecurityGroupOwnerId': 'string',  
                'Status': 'string'  
            },  
        ],  
        'IPRanges': [  
            {  
                'CIDRIP': 'string',  
                'Status': 'string'  
            },  
        ],  
        'NiftyAvailabilityZone': 'string',  
        'OwnerId': 'string'  
    }  
}
```

Response Structure

- (dict) –
 - **DBSecurityGroup** (dict) –
 - * **DBSecurityGroupDescription** (string) –
 - * **DBSecurityGroupName** (string) –
 - * **EC2SecurityGroups** (list) –

- (*dict*) –
- **EC2SecurityGroupName** (*string*) –
- **EC2SecurityGroupOwnerId** (*string*) –
- **Status** (*string*) –
- * **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
- * **NiftyAvailabilityZone** (*string*) –
- * **OwnerId** (*string*) –

can_paginate (*operation_name*)

Check if an operation can be paginated.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns True if the operation can be paginated, False otherwise.

copy_db_snapshot (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.copy_db_snapshot(
    SourceDBSnapshotIdentifier='string',
    TargetDBSnapshotIdentifier='string'
)
```

Parameters

- **SourceDBSnapshotIdentifier** (*string*) –
- **TargetDBSnapshotIdentifier** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'DBSnapshot': {
    'AllocatedStorage': 'string',
    'AvailabilityZone': 'string',
    'DBInstanceIdentifier': 'string',
    'DBSnapshotIdentifier': 'string',
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'OptionGroupName': 'string',
    'Port': 'string',
    'SnapshotCreateTime': 'string',
    'SnapshotType': 'string',
    'Status': 'string'
  }
}
```

Response Structure

- *(dict)* –
 - **DBSnapshot** (*dict*) –
 - * **AllocatedStorage** (*string*) –
 - * **AvailabilityZone** (*string*) –
 - * **DBInstanceIdentifier** (*string*) –
 - * **DBSnapshotIdentifier** (*string*) –
 - * **Engine** (*string*) –
 - * **EngineVersion** (*string*) –
 - * **InstanceCreateTime** (*string*) –
 - * **LicenseModel** (*string*) –
 - * **MasterUsername** (*string*) –
 - * **OptionGroupName** (*string*) –
 - * **Port** (*string*) –
 - * **SnapshotCreateTime** (*string*) –
 - * **SnapshotType** (*string*) –
 - * **Status** (*string*) –

create_db_instance (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_db_instance(
    AllocatedStorage=123,
    AvailabilityZone='string',
    BackupRetentionPeriod=123,
    DBInstanceClass='string',
    DBInstanceIdentifier='string',
    DBName='string',
    DBParameterGroupName='string',
    DBSecurityGroups=[
        'string',
    ],
    Engine='string',
    EngineVersion='string',
    LicenseModel='string',
    MasterUserPassword='string',
    MasterUsername='string',
    MultiAZ=True|False,
    NiftyMasterPrivateAddress='string',
    NiftyMultiAZType=123,
    NiftyNetworkId='string',
    NiftyReadReplicaDBInstanceIdentifier='string',
    NiftyReadReplicaPrivateAddress='string',
    NiftySlavePrivateAddress='string',
    NiftyStorageType=123,
    NiftyVirtualPrivateAddress='string',
    Port=123,
    PreferredBackupWindow='string',
    PreferredMaintenanceWindow='string',
    PubliclyAccessible=True|False
)
```

Parameters

- **AllocatedStorage** (*integer*) –
- **AvailabilityZone** (*string*) –
- **BackupRetentionPeriod** (*integer*) –
- **DBInstanceClass** (*string*) –

- **DBInstanceIdentifier** (*string*) –
- **DBName** (*string*) –
- **DBParameterGroupName** (*string*) –
- **DBSecurityGroups** (*list*) –
– (*string*) –
- **Engine** (*string*) –
- **EngineVersion** (*string*) –
- **LicenseModel** (*string*) –
- **MasterUserPassword** (*string*) –
- **MasterUsername** (*string*) –
- **MultiAZ** (*boolean*) –
- **NiftyMasterPrivateAddress** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftyNetworkId** (*string*) –
- **NiftyReadReplicaDBInstanceIdentifier** (*string*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **NiftyVirtualPrivateAddress** (*string*) –
- **Port** (*integer*) –
- **PreferredBackupWindow** (*string*) –
- **PreferredMaintenanceWindow** (*string*) –
- **PubliclyAccessible** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
      },
    ],
  },
}
```

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```

        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',

```

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```

        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
'VpcSecurityGroups': [
    {}],
]
}

```

Response Structure

- (dict) –
 - DBInstance (dict) –
 - * **AllocatedStorage** (string) –
 - * **AutoMinorVersionUpgrade** (boolean) –
 - * **AvailabilityZone** (string) –
 - * **BackupRetentionPeriod** (string) –
 - * **DBInstanceClass** (string) –
 - * **DBInstanceIdentifier** (string) –
 - * **DBInstanceStatus** (string) –
 - * **DBName** (string) –
 - * **DBParameterGroups** (list) –
 - (dict) –
 - **DBParameterGroupFamily** (string) –
 - **DBParameterGroupName** (string) –
 - **Description** (string) –
 - * **DBSecurityGroups** (list) –
 - (dict) –
 - **DBSecurityGroupDescription** (string) –
 - **DBSecurityGroupName** (string) –
 - **EC2SecurityGroups** (list) –
 - (dict) –
 - **EC2SecurityGroupName** (string) –
 - **EC2SecurityGroupOwnerId** (string) –
 - **Status** (string) –
 - **IPRanges** (list) –
 - (dict) –
 - **CIDRIP** (string) –
 - **Status** (string) –
 - **NiftyAvailabilityZone** (string) –
 - **OwnerId** (string) –
 - * **Endpoint** (dict) –
 - **Address** (string) –
 - **NiftyPrivateAddress** (string) –
 - **Port** (string) –
 - * **Engine** (string) –
 - * **EngineVersion** (string) –
 - * **InstanceCreateTime** (string) –
 - * **LatestRestorableTime** (string) –
 - * **LicenseModel** (string) –
 - * **MasterUsername** (string) –
 - * **MultiAZ** (string) –

- * **NiftyMasterPrivateAddress** (*string*) –
- * **NiftyMultiAZType** (*string*) –
- * **NiftyNetworkId** (*string*) –
- * **NiftySlavePrivateAddress** (*string*) –
- * **NiftyStorageType** (*integer*) –
- * **OptionGroupMemberships** (*list*) –
 - (*dict*) –
 - **OptionGroupName** (*string*) –
 - **Status** (*string*) –
- * **PendingModifiedValues** (*dict*) –
 - **AllocatedStorage** (*string*) –
 - **BackupRetentionPeriod** (*string*) –
 - **DBInstanceClass** (*string*) –
 - **DBInstanceIdentifier** (*string*) –
 - **EngineVersion** (*string*) –
 - **MasterUserPassword** (*string*) –
 - **MultiAZ** (*string*) –
 - **NiftyMultiAZType** (*string*) –
 - **Port** (*string*) –
- * **PreferredBackupWindow** (*string*) –
- * **PreferredMaintenanceWindow** (*string*) –
- * **PubliclyAccessible** (*boolean*) –
- * **ReadReplicaDBInstanceIdentifiers** (*list*) –
 - (*dict*) –
 - **ReadReplicaDBInstanceIdentifier** (*string*) –
- * **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- * **SecondaryAvailabilityZone** (*string*) –
- * **StatusInfos** (*list*) –
 - (*dict*) –
 - **Message** (*string*) –
 - **Normal** (*boolean*) –
 - **Status** (*string*) –
 - **StatusType** (*string*) –
- * **VpcSecurityGroups** (*list*) –
 - (*dict*) –

`create_db_instance_read_replica` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_db_instance_read_replica(  
    DBInstanceClass='string',  
    DBInstanceIdentifier='string',  
    NiftyReadReplicaPrivateAddress='string',  
    NiftyStorageType=123,  
    SourceDBInstanceIdentifier='string'  
)
```

Parameters

- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **SourceDBInstanceIdentifier** (*string*) –

Return type dict

Returns

Response Syntax

```

{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
        'IPRanges': [
          {
            'CIDRIP': 'string',
            'Status': 'string'
          },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
      'NiftyPrivateAddress': 'string',
      'Port': 'string'
    },
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LatestRestorableTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'MultiAZ': 'string',
    'NiftyMasterPrivateAddress': 'string',
    'NiftyMultiAZType': 'string',
    'NiftyNetworkId': 'string',
    'NiftySlavePrivateAddress': 'string',

```

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```

'NiftyStorageType': 123,
'OptionGroupMemberships': [
  {
    'OptionGroupName': 'string',
    'Status': 'string'
  },
],
'PendingModifiedValues': {
  'AllocatedStorage': 'string',
  'BackupRetentionPeriod': 'string',
  'DBInstanceClass': 'string',
  'DBInstanceIdentifier': 'string',
  'EngineVersion': 'string',
  'MasterUserPassword': 'string',
  'MultiAZ': 'string',
  'NiftyMultiAZType': 'string',
  'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
  {
    'ReadReplicaDBInstanceIdentifier': 'string'
  },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
  {
    'Message': 'string',
    'Normal': True|False,
    'Status': 'string',
    'StatusType': 'string'
  },
],
'VpcSecurityGroups': [
  {},
]
}

```

Response Structure

- (dict) –
 - DBInstance (dict) –
 - * AllocatedStorage (string) –
 - * AutoMinorVersionUpgrade (boolean) –
 - * AvailabilityZone (string) –
 - * BackupRetentionPeriod (string) –
 - * DBInstanceClass (string) –
 - * DBInstanceIdentifier (string) –
 - * DBInstanceStatus (string) –
 - * DBName (string) –
 - * DBParameterGroups (list) –
 - (dict) –
 - DBParameterGroupFamily (string) –

- **DBParameterGroupName** (*string*) –
- **Description** (*string*) –
- * **DBSecurityGroups** (*list*) –
 - (*dict*) –
 - **DBSecurityGroupDescription** (*string*) –
 - **DBSecurityGroupName** (*string*) –
 - **EC2SecurityGroups** (*list*) –
 - (*dict*) –
 - **EC2SecurityGroupName** (*string*) –
 - **EC2SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
 - **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NiftyAvailabilityZone** (*string*) –
 - **OwnerId** (*string*) –
- * **Endpoint** (*dict*) –
 - **Address** (*string*) –
 - **NiftyPrivateAddress** (*string*) –
 - **Port** (*string*) –
- * **Engine** (*string*) –
- * **EngineVersion** (*string*) –
- * **InstanceCreateTime** (*string*) –
- * **LatestRestorableTime** (*string*) –
- * **LicenseModel** (*string*) –
- * **MasterUsername** (*string*) –
- * **MultiAZ** (*string*) –
- * **NiftyMasterPrivateAddress** (*string*) –
- * **NiftyMultiAZType** (*string*) –
- * **NiftyNetworkId** (*string*) –
- * **NiftySlavePrivateAddress** (*string*) –
- * **NiftyStorageType** (*integer*) –
- * **OptionGroupMemberships** (*list*) –
 - (*dict*) –
 - **OptionGroupName** (*string*) –
 - **Status** (*string*) –
- * **PendingModifiedValues** (*dict*) –
 - **AllocatedStorage** (*string*) –
 - **BackupRetentionPeriod** (*string*) –
 - **DBInstanceClass** (*string*) –
 - **DBInstanceIdentifier** (*string*) –
 - **EngineVersion** (*string*) –
 - **MasterUserPassword** (*string*) –
 - **MultiAZ** (*string*) –
 - **NiftyMultiAZType** (*string*) –
 - **Port** (*string*) –
- * **PreferredBackupWindow** (*string*) –
- * **PreferredMaintenanceWindow** (*string*) –
- * **PubliclyAccessible** (*boolean*) –
- * **ReadReplicaDBInstanceIdentifiers** (*list*) –
 - (*dict*) –
 - **ReadReplicaDBInstanceIdentifier** (*string*) –
- * **ReadReplicaSourceDBInstanceIdentifier** (*string*) –

- * **SecondaryAvailabilityZone** (*string*) –
- * **StatusInfos** (*list*) –
 - (*dict*) –
 - **Message** (*string*) –
 - **Normal** (*boolean*) –
 - **Status** (*string*) –
 - **StatusType** (*string*) –
- * **VpcSecurityGroups** (*list*) –
 - (*dict*) –

create_db_parameter_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_db_parameter_group(  
    DBParameterGroupFamily='string',  
    DBParameterGroupName='string',  
    Description='string'  
)
```

Parameters

- **DBParameterGroupFamily** (*string*) –
- **DBParameterGroupName** (*string*) –
- **Description** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'DBParameterGroup': {  
        'DBParameterGroupFamily': 'string',  
        'DBParameterGroupName': 'string',  
        'Description': 'string'  
    }  
}
```

Response Structure

- (*dict*) –
 - **DBParameterGroup** (*dict*) –
 - * **DBParameterGroupFamily** (*string*) –
 - * **DBParameterGroupName** (*string*) –
 - * **Description** (*string*) –

create_db_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_db_security_group(  
    DBSecurityGroupDescription='string',  
    DBSecurityGroupName='string',  
    NiftyAvailabilityZone='string'  
)
```

Parameters

- **DBSecurityGroupDescription** (*string*) –

- **DBSecurityGroupName** (*string*) –
- **NiftyAvailabilityZone** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'DBSecurityGroup': {
    'DBSecurityGroupDescription': 'string',
    'DBSecurityGroupName': 'string',
    'EC2SecurityGroups': [
      {
        'EC2SecurityGroupName': 'string',
        'EC2SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NiftyAvailabilityZone': 'string',
    'OwnerId': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **DBSecurityGroup** (*dict*) –
 - * **DBSecurityGroupDescription** (*string*) –
 - * **DBSecurityGroupName** (*string*) –
 - * **EC2SecurityGroups** (*list*) –
 - (*dict*) –
 - **EC2SecurityGroupName** (*string*) –
 - **EC2SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
 - * **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - * **NiftyAvailabilityZone** (*string*) –
 - * **OwnerId** (*string*) –

create_db_snapshot (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_db_snapshot(
    DBInstanceIdentifier='string',
    DBSnapshotIdentifier='string'
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –

- **DBSnapshotIdentifier** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'DBSnapshot': {
    'AllocatedStorage': 'string',
    'AvailabilityZone': 'string',
    'DBInstanceIdentifier': 'string',
    'DBSnapshotIdentifier': 'string',
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'OptionGroupName': 'string',
    'Port': 'string',
    'SnapshotCreateTime': 'string',
    'SnapshotType': 'string',
    'Status': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **DBSnapshot** (*dict*) –
 - * **AllocatedStorage** (*string*) –
 - * **AvailabilityZone** (*string*) –
 - * **DBInstanceIdentifier** (*string*) –
 - * **DBSnapshotIdentifier** (*string*) –
 - * **Engine** (*string*) –
 - * **EngineVersion** (*string*) –
 - * **InstanceCreateTime** (*string*) –
 - * **LicenseModel** (*string*) –
 - * **MasterUsername** (*string*) –
 - * **OptionGroupName** (*string*) –
 - * **Port** (*string*) –
 - * **SnapshotCreateTime** (*string*) –
 - * **SnapshotType** (*string*) –
 - * **Status** (*string*) –

create_event_subscription (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.create_event_subscription(
    Enabled=True|False,
    EventCategories=[
        'string',
    ],
    NiftyDescription='string',
    NiftyEmailAddresses=[
        'string',
    ],
```

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```

SourceIds=[
    'string',
],
SourceType='string',
SubscriptionName='string'
)

```

Parameters

- **Enabled** (*boolean*) –
- **EventCategories** (*list*) –
– (*string*) –
- **NiftyDescription** (*string*) –
- **NiftyEmailAddresses** (*list*) –
– (*string*) –
- **SourceIds** (*list*) –
– (*string*) –
- **SourceType** (*string*) –
- **SubscriptionName** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
  'EventSubscription': {
    'CustSubscriptionId': 'string',
    'Enabled': 'string',
    'EventCategoriesList': [
      'string',
    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
      'string',
    ],
    'SourceIdsList': [
      'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  }
}

```

Response Structure

- (*dict*) –
 - **EventSubscription** (*dict*) –
 - * **CustSubscriptionId** (*string*) –
 - * **Enabled** (*string*) –
 - * **EventCategoriesList** (*list*) –
· (*string*) –
 - * **NiftyDescription** (*string*) –
 - * **NiftyEmailAddressesList** (*list*) –
· (*string*) –
 - * **SourceIdsList** (*list*) –
· (*string*) –

- * **SourceType** (*string*) –
- * **Status** (*string*) –
- * **SubscriptionCreationTime** (*string*) –

delete_db_instance (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_db_instance(  
    DBInstanceIdentifier='string',  
    FinalDBSnapshotIdentifier='string',  
    SkipFinalSnapshot=True | False  
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **FinalDBSnapshotIdentifier** (*string*) –
- **SkipFinalSnapshot** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{  
  'DBInstance': {  
    'AllocatedStorage': 'string',  
    'AutoMinorVersionUpgrade': True | False,  
    'AvailabilityZone': 'string',  
    'BackupRetentionPeriod': 'string',  
    'DBInstanceClass': 'string',  
    'DBInstanceIdentifier': 'string',  
    'DBInstanceStatus': 'string',  
    'DBName': 'string',  
    'DBParameterGroups': [  
      {  
        'DBParameterGroupFamily': 'string',  
        'DBParameterGroupName': 'string',  
        'Description': 'string'  
      },  
    ],  
    'DBSecurityGroups': [  
      {  
        'DBSecurityGroupDescription': 'string',  
        'DBSecurityGroupName': 'string',  
        'EC2SecurityGroups': [  
          {  
            'EC2SecurityGroupName': 'string',  
            'EC2SecurityGroupOwnerId': 'string',  
            'Status': 'string'  
          },  
        ],  
      },  
    ],  
    'IPRanges': [  
      {  
        'CIDRIP': 'string',  
        'Status': 'string'  
      },  
    ],  
  },  
}
```

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```

        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',
        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
'VpcSecurityGroups': [

```

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```

        },
    ],
}

```

Response Structure

- *(dict)* –
 - **DBInstance** (*dict*) –
 - * **AllocatedStorage** (*string*) –
 - * **AutoMinorVersionUpgrade** (*boolean*) –
 - * **AvailabilityZone** (*string*) –
 - * **BackupRetentionPeriod** (*string*) –
 - * **DBInstanceClass** (*string*) –
 - * **DBInstanceIdentifier** (*string*) –
 - * **DBInstanceStatus** (*string*) –
 - * **DBName** (*string*) –
 - * **DBParameterGroups** (*list*) –
 - *(dict)* –
 - **DBParameterGroupFamily** (*string*) –
 - **DBParameterGroupName** (*string*) –
 - **Description** (*string*) –
 - * **DBSecurityGroups** (*list*) –
 - *(dict)* –
 - **DBSecurityGroupDescription** (*string*) –
 - **DBSecurityGroupName** (*string*) –
 - **EC2SecurityGroups** (*list*) –
 - *(dict)* –
 - **EC2SecurityGroupName** (*string*) –
 - **EC2SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
 - **IPRanges** (*list*) –
 - *(dict)* –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NiftyAvailabilityZone** (*string*) –
 - **OwnerId** (*string*) –
 - * **Endpoint** (*dict*) –
 - **Address** (*string*) –
 - **NiftyPrivateAddress** (*string*) –
 - **Port** (*string*) –
 - * **Engine** (*string*) –
 - * **EngineVersion** (*string*) –
 - * **InstanceCreateTime** (*string*) –
 - * **LatestRestorableTime** (*string*) –
 - * **LicenseModel** (*string*) –
 - * **MasterUsername** (*string*) –
 - * **MultiAZ** (*string*) –
 - * **NiftyMasterPrivateAddress** (*string*) –
 - * **NiftyMultiAZType** (*string*) –
 - * **NiftyNetworkId** (*string*) –
 - * **NiftySlavePrivateAddress** (*string*) –
 - * **NiftyStorageType** (*integer*) –
 - * **OptionGroupMemberships** (*list*) –

- *(dict)* –
- **OptionGroupName** (*string*) –
- **Status** (*string*) –
- * **PendingModifiedValues** (*dict*) –
 - **AllocatedStorage** (*string*) –
 - **BackupRetentionPeriod** (*string*) –
 - **DBInstanceClass** (*string*) –
 - **DBInstanceIdentifier** (*string*) –
 - **EngineVersion** (*string*) –
 - **MasterUserPassword** (*string*) –
 - **MultiAZ** (*string*) –
 - **NiftyMultiAZType** (*string*) –
 - **Port** (*string*) –
- * **PreferredBackupWindow** (*string*) –
- * **PreferredMaintenanceWindow** (*string*) –
- * **PubliclyAccessible** (*boolean*) –
- * **ReadReplicaDBInstanceIdentifiers** (*list*) –
 - *(dict)* –
 - **ReadReplicaDBInstanceIdentifier** (*string*) –
- * **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- * **SecondaryAvailabilityZone** (*string*) –
- * **StatusInfos** (*list*) –
 - *(dict)* –
 - **Message** (*string*) –
 - **Normal** (*boolean*) –
 - **Status** (*string*) –
 - **StatusType** (*string*) –
- * **VpcSecurityGroups** (*list*) –
 - *(dict)* –

delete_db_parameter_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_db_parameter_group(
    DBParameterGroupName='string'
)
```

Parameters **DBParameterGroupName** (*string*) –

Returns None

delete_db_security_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_db_security_group(
    DBSecurityGroupName='string'
)
```

Parameters **DBSecurityGroupName** (*string*) –

Returns None

delete_db_snapshot (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_db_snapshot(  
    DBSnapshotIdentifier='string'  
)
```

Parameters `DBSnapshotIdentifier` (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'DBSnapshot': {  
        'AllocatedStorage': 'string',  
        'AvailabilityZone': 'string',  
        'DBInstanceIdentifier': 'string',  
        'DBSnapshotIdentifier': 'string',  
        'Engine': 'string',  
        'EngineVersion': 'string',  
        'InstanceCreateTime': 'string',  
        'LicenseModel': 'string',  
        'MasterUsername': 'string',  
        'OptionGroupName': 'string',  
        'Port': 'string',  
        'SnapshotCreateTime': 'string',  
        'SnapshotType': 'string',  
        'Status': 'string'  
    }  
}
```

Response Structure

- (*dict*) –
 - **DBSnapshot** (*dict*) –
 - * **AllocatedStorage** (*string*) –
 - * **AvailabilityZone** (*string*) –
 - * **DBInstanceIdentifier** (*string*) –
 - * **DBSnapshotIdentifier** (*string*) –
 - * **Engine** (*string*) –
 - * **EngineVersion** (*string*) –
 - * **InstanceCreateTime** (*string*) –
 - * **LicenseModel** (*string*) –
 - * **MasterUsername** (*string*) –
 - * **OptionGroupName** (*string*) –
 - * **Port** (*string*) –
 - * **SnapshotCreateTime** (*string*) –
 - * **SnapshotType** (*string*) –
 - * **Status** (*string*) –

delete_event_subscription (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.delete_event_subscription(  
    SubscriptionName='string'  
)
```

Parameters `SubscriptionName` (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'EventSubscription': {
    'CustSubscriptionId': 'string',
    'Enabled': 'string',
    'EventCategoriesList': [
      'string',
    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
      'string',
    ],
    'SourceIdsList': [
      'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  }
}
```

Response Structure

- *(dict)* –
 - **EventSubscription** (*dict*) –
 - * **CustSubscriptionId** (*string*) –
 - * **Enabled** (*string*) –
 - * **EventCategoriesList** (*list*) –
 - (*string*) –
 - * **NiftyDescription** (*string*) –
 - * **NiftyEmailAddressesList** (*list*) –
 - (*string*) –
 - * **SourceIdsList** (*list*) –
 - (*string*) –
 - * **SourceType** (*string*) –
 - * **Status** (*string*) –
 - * **SubscriptionCreationTime** (*string*) –

describe_db_engine_versions (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_db_engine_versions(
    DBParameterGroupFamily='string',
    DefaultOnly=True|False,
    Engine='string',
    EngineVersion='string',
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBParameterGroupFamily** (*string*) –
- **DefaultOnly** (*boolean*) –

- **Engine** (*string*) –
- **EngineVersion** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
  'DBEngineVersions': [
    {
      'DBEngineDescription': 'string',
      'DBEngineVersionDescription': 'string',
      'DBParameterGroupFamily': 'string',
      'Engine': 'string',
      'EngineVersion': 'string'
    },
  ],
  'Marker': 'string'
}
```

Response Structure

- (*dict*) –
 - **DBEngineVersions** (*list*) –
 - * (*dict*) –
 - **DBEngineDescription** (*string*) –
 - **DBEngineVersionDescription** (*string*) –
 - **DBParameterGroupFamily** (*string*) –
 - **Engine** (*string*) –
 - **EngineVersion** (*string*) –
 - **Marker** (*string*) –

describe_db_instances (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_db_instances(
    DBInstanceIdentifier='string',
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
  'DBInstances': [
    {
      'AllocatedStorage': 'string',
      'AutoMinorVersionUpgrade': True|False,
```

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```

'AvailabilityZone': 'string',
'BackupRetentionPeriod': 'string',
'DBInstanceClass': 'string',
'DBInstanceIdentifier': 'string',
'DBInstanceStatus': 'string',
'DBName': 'string',
'DBParameterGroups': [
    {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
    },
],
'DBSecurityGroups': [
    {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
            {
                'EC2SecurityGroupName': 'string',
                'EC2SecurityGroupOwnerId': 'string
→',
                'Status': 'string'
            },
        ],
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],

```

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```

    ],
    'PendingModifiedValues': {
        'AllocatedStorage': 'string',
        'BackupRetentionPeriod': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'EngineVersion': 'string',
        'MasterUserPassword': 'string',
        'MultiAZ': 'string',
        'NiftyMultiAZType': 'string',
        'Port': 'string'
    },
    'PreferredBackupWindow': 'string',
    'PreferredMaintenanceWindow': 'string',
    'PubliclyAccessible': True|False,
    'ReadReplicaDBInstanceIdentifiers': [
        {
            'ReadReplicaDBInstanceIdentifier': 'string'
        }
    ],
    'ReadReplicaSourceDBInstanceIdentifier': 'string',
    'SecondaryAvailabilityZone': 'string',
    'StatusInfos': [
        {
            'Message': 'string',
            'Normal': True|False,
            'Status': 'string',
            'StatusType': 'string'
        }
    ],
    ],
    'VpcSecurityGroups': [
        {}
    ]
    ],
    ],
    'Marker': 'string'
}

```

Response Structure

- (dict) –
 - DBInstances (list) –
 - * (dict) –
 - AllocatedStorage (string) –
 - AutoMinorVersionUpgrade (boolean) –
 - AvailabilityZone (string) –
 - BackupRetentionPeriod (string) –
 - DBInstanceClass (string) –
 - DBInstanceIdentifier (string) –
 - DBInstanceStatus (string) –
 - DBName (string) –
 - DBParameterGroups (list) –
 - (dict) –
 - DBParameterGroupFamily (string) –
 - DBParameterGroupName (string) –
 - Description (string) –
 - DBSecurityGroups (list) –

- *(dict)* –
- **DBSecurityGroupDescription** (*string*) –
- **DBSecurityGroupName** (*string*) –
- **EC2SecurityGroups** (*list*) –
- *(dict)* –
- **EC2SecurityGroupName** (*string*) –
- **EC2SecurityGroupOwnerId** (*string*) –
- **Status** (*string*) –
- **IPRanges** (*list*) –
- *(dict)* –
- **CIDRIP** (*string*) –
- **Status** (*string*) –
- **NiftyAvailabilityZone** (*string*) –
- **OwnerId** (*string*) –
- **Endpoint** (*dict*) –
- **Address** (*string*) –
- **NiftyPrivateAddress** (*string*) –
- **Port** (*string*) –
- **Engine** (*string*) –
- **EngineVersion** (*string*) –
- **InstanceCreateTime** (*string*) –
- **LatestRestorableTime** (*string*) –
- **LicenseModel** (*string*) –
- **MasterUsername** (*string*) –
- **MultiAZ** (*string*) –
- **NiftyMasterPrivateAddress** (*string*) –
- **NiftyMultiAZType** (*string*) –
- **NiftyNetworkId** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **OptionGroupMemberships** (*list*) –
- *(dict)* –
- **OptionGroupName** (*string*) –
- **Status** (*string*) –
- **PendingModifiedValues** (*dict*) –
- **AllocatedStorage** (*string*) –
- **BackupRetentionPeriod** (*string*) –
- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **EngineVersion** (*string*) –
- **MasterUserPassword** (*string*) –
- **MultiAZ** (*string*) –
- **NiftyMultiAZType** (*string*) –
- **Port** (*string*) –
- **PreferredBackupWindow** (*string*) –
- **PreferredMaintenanceWindow** (*string*) –
- **PubliclyAccessible** (*boolean*) –
- **ReadReplicaDBInstanceIdentifiers** (*list*) –
- *(dict)* –
- **ReadReplicaDBInstanceIdentifier** (*string*) –
- **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- **SecondaryAvailabilityZone** (*string*) –
- **StatusInfos** (*list*) –
- *(dict)* –

- **Message** (*string*) –
- **Normal** (*boolean*) –
- **Status** (*string*) –
- **StatusType** (*string*) –
- **VpcSecurityGroups** (*list*) –
- (*dict*) –
- **Marker** (*string*) –

describe_db_log_files (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_db_log_files(  
    DBInstanceIdentifier='string',  
    FileLastWritten=123,  
    FileSize=123,  
    FilenameContains='string',  
    Marker='string',  
    MaxRecords=123  
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **FileLastWritten** (*integer*) –
- **FileSize** (*integer*) –
- **FilenameContains** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```
{  
    'DescribeDBLogFiles': [  
        {  
            'LastWritten': 'string',  
            'LogFileName': 'string',  
            'Size': 'string'  
        },  
    ],  
    'Marker': 'string'  
}
```

Response Structure

- (*dict*) –
 - **DescribeDBLogFiles** (*list*) –
 - * (*dict*) –
 - **LastWritten** (*string*) –
 - **LogFileName** (*string*) –
 - **Size** (*string*) –
 - **Marker** (*string*) –

describe_db_parameter_groups (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax


```
response = client.describe_db_parameter_groups(
    DBParameterGroupName='string',
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBParameterGroupName** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict**Returns****Response Syntax**

```
{
  'DBParameterGroups': [
    {
      'DBParameterGroupFamily': 'string',
      'DBParameterGroupName': 'string',
      'Description': 'string'
    },
  ],
  'Marker': 'string'
}
```

Response Structure

- (*dict*) –
 - **DBParameterGroups** (*list*) –
 - * (*dict*) –
 - **DBParameterGroupFamily** (*string*) –
 - **DBParameterGroupName** (*string*) –
 - **Description** (*string*) –
 - **Marker** (*string*) –

describe_db_parameters (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```
response = client.describe_db_parameters(
    DBParameterGroupName='string',
    Marker='string',
    MaxRecords=123,
    Source='string'
)
```

Parameters

- **DBParameterGroupName** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **Source** (*string*) –

Return type dict**Returns****Response Syntax**

```

{
  'Marker': 'string',
  'Parameters': [
    {
      'AllowedValues': 'string',
      'ApplyMethod': 'string',
      'ApplyType': 'string',
      'DataType': 'string',
      'Description': 'string',
      'IsModifiable': 'string',
      'MinimumEngineVersion': 'string',
      'ParameterName': 'string',
      'ParameterValue': 'string',
      'Source': 'string'
    }
  ]
}

```

Response Structure

- *(dict)* –
 - **Marker** (*string*) –
 - **Parameters** (*list*) –
 - * *(dict)* –
 - **AllowedValues** (*string*) –
 - **ApplyMethod** (*string*) –
 - **ApplyType** (*string*) –
 - **DataType** (*string*) –
 - **Description** (*string*) –
 - **IsModifiable** (*string*) –
 - **MinimumEngineVersion** (*string*) –
 - **ParameterName** (*string*) –
 - **ParameterValue** (*string*) –
 - **Source** (*string*) –

describe_db_security_groups (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.describe_db_security_groups(
    DBSecurityGroupName='string',
    Marker='string',
    MaxRecords=123
)

```

Parameters

- **DBSecurityGroupName** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```

{
  'DBSecurityGroups': [
    {

```

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```

'DBSecurityGroupDescription': 'string',
'DBSecurityGroupName': 'string',
'EC2SecurityGroups': [
    {
        'EC2SecurityGroupName': 'string',
        'EC2SecurityGroupOwnerId': 'string',
        'Status': 'string'
    },
],
'IPRanges': [
    {
        'CIDRIP': 'string',
        'Status': 'string'
    },
],
'NiftyAvailabilityZone': 'string',
'OwnerId': 'string'
},
],
'Marker': 'string'
}

```

Response Structure

- (*dict*) –
 - **DBSecurityGroups** (*list*) –
 - * (*dict*) –
 - **DBSecurityGroupDescription** (*string*) –
 - **DBSecurityGroupName** (*string*) –
 - **EC2SecurityGroups** (*list*) –
 - (*dict*) –
 - **EC2SecurityGroupName** (*string*) –
 - **EC2SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
 - **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NiftyAvailabilityZone** (*string*) –
 - **OwnerId** (*string*) –
 - **Marker** (*string*) –

describe_db_snapshots (***kwargs*)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.describe_db_snapshots(
    DBInstanceIdentifier='string',
    DBSnapshotIdentifier='string',
    Marker='string',
    MaxRecords=123,
    SnapshotType='string'
)

```

Parameters

- **DBInstanceIdentifier** (*string*) –

- **DBSnapshotIdentifier** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **SnapshotType** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'DBSnapshots': [
    {
      'AllocatedStorage': 'string',
      'AvailabilityZone': 'string',
      'DBInstanceIdentifier': 'string',
      'DBSnapshotIdentifier': 'string',
      'Engine': 'string',
      'EngineVersion': 'string',
      'InstanceCreateTime': 'string',
      'LicenseModel': 'string',
      'MasterUsername': 'string',
      'OptionGroupName': 'string',
      'Port': 'string',
      'SnapshotCreateTime': 'string',
      'SnapshotType': 'string',
      'Status': 'string'
    },
  ],
  'Marker': 'string'
}
```

Response Structure

- (*dict*) –
 - **DBSnapshots** (*list*) –
 - * (*dict*) –
 - **AllocatedStorage** (*string*) –
 - **AvailabilityZone** (*string*) –
 - **DBInstanceIdentifier** (*string*) –
 - **DBSnapshotIdentifier** (*string*) –
 - **Engine** (*string*) –
 - **EngineVersion** (*string*) –
 - **InstanceCreateTime** (*string*) –
 - **LicenseModel** (*string*) –
 - **MasterUsername** (*string*) –
 - **OptionGroupName** (*string*) –
 - **Port** (*string*) –
 - **SnapshotCreateTime** (*string*) –
 - **SnapshotType** (*string*) –
 - **Status** (*string*) –
 - **Marker** (*string*) –

`describe_engine_default_parameters` (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_engine_default_parameters(
    DBParameterGroupFamily='string',
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBParameterGroupFamily** (*string*) –
- **Marker** (*string*) –
- **MaxRecords** (*integer*) –

Return type dict**Returns****Response Syntax**

```
{
  'EngineDefaults': {
    'DBParameterGroupFamily': 'string',
    'Marker': 'string',
    'Parameters': [
      {
        'AllowedValues': 'string',
        'ApplyMethod': 'string',
        'ApplyType': 'string',
        'DataType': 'string',
        'Description': 'string',
        'IsModifiable': 'string',
        'MinimumEngineVersion': 'string',
        'ParameterName': 'string',
        'ParameterValue': 'string',
        'Source': 'string'
      },
    ]
  }
}
```

Response Structure

- (*dict*) –
 - **EngineDefaults** (*dict*) –
 - * **DBParameterGroupFamily** (*string*) –
 - * **Marker** (*string*) –
 - * **Parameters** (*list*) –
 - (*dict*) –
 - **AllowedValues** (*string*) –
 - **ApplyMethod** (*string*) –
 - **ApplyType** (*string*) –
 - **DataType** (*string*) –
 - **Description** (*string*) –
 - **IsModifiable** (*string*) –
 - **MinimumEngineVersion** (*string*) –
 - **ParameterName** (*string*) –
 - **ParameterValue** (*string*) –
 - **Source** (*string*) –

describe_event_categories (**kwargs)See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_event_categories(  
    SourceType='string'  
)
```

Parameters **SourceType** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'EventCategoriesMapList': [  
        {  
            'EventCategories': [  
                'string',  
            ],  
            'SourceType': 'string'  
        },  
    ]  
}
```

Response Structure

- (*dict*) –
 - **EventCategoriesMapList** (*list*) –
 - * (*dict*) –
 - **EventCategories** (*list*) –
 - (*string*) –
 - **SourceType** (*string*) –

describe_event_subscriptions (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_event_subscriptions(  
    Marker='string',  
    MaxRecords=123,  
    SubscriptionName='string'  
)
```

Parameters

- **Marker** (*string*) –
- **MaxRecords** (*integer*) –
- **SubscriptionName** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'EventSubscriptionsList': [  
        {  
            'CustSubscriptionId': 'string',  
            'Enabled': 'string',  
            'EventCategoriesList': [  
                'string',  
            ]  
        },  
    ]  
}
```

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```

    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
        'string',
    ],
    'SourceIdsList': [
        'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  },
],
'Marker': 'string'
}

```

Response Structure

- *(dict)* –
 - **EventSubscriptionsList** (*list*) –
 - * *(dict)* –
 - **CustSubscriptionId** (*string*) –
 - **Enabled** (*string*) –
 - **EventCategoriesList** (*list*) –
 - (*string*) –
 - **NiftyDescription** (*string*) –
 - **NiftyEmailAddressesList** (*list*) –
 - (*string*) –
 - **SourceIdsList** (*list*) –
 - (*string*) –
 - **SourceType** (*string*) –
 - **Status** (*string*) –
 - **SubscriptionCreationTime** (*string*) –
 - **Marker** (*string*) –

describe_events (**kwargs)See also: [NIFCLOUD API Documentation](#)**Request Syntax**

```

response = client.describe_events(
    Duration=123,
    EndTime=datetime(2015, 1, 1),
    EventCategories=[
        'string',
    ],
    Marker='string',
    MaxRecords=123,
    SourceIdentifier='string',
    SourceType='string',
    StartTime=datetime(2015, 1, 1)
)

```

Parameters

- **Duration** (*integer*) –
- **EndTime** (*datetime*) –
- **EventCategories** (*list*) –

- (string)-
- **Marker** (string)-
- **MaxRecords** (integer)-
- **SourceIdentifier** (string)-
- **SourceType** (string)-
- **StartTime** (datetime)-

Return type dict

Returns

Response Syntax

```
{
  'Events': [
    {
      'Date': 'string',
      'EventCategories': [
        'string',
      ],
      'Message': 'string',
      'SourceIdentifier': 'string',
      'SourceType': 'string'
    },
  ],
  'Marker': 'string'
}
```

Response Structure

- (dict)-
 - **Events** (list)-
 - * (dict)-
 - **Date** (string)-
 - **EventCategories** (list)-
 - (string)-
 - **Message** (string)-
 - **SourceIdentifier** (string)-
 - **SourceType** (string)-
 - **Marker** (string)-

describe_orderable_db_instance_options (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.describe_orderable_db_instance_options(
    DBInstanceClass='string',
    Engine='string',
    EngineVersion='string',
    LicenseModel='string',
    Marker='string',
    MaxRecords=123
)
```

Parameters

- **DBInstanceClass** (string)-
- **Engine** (string)-
- **EngineVersion** (string)-
- **LicenseModel** (string)-
- **Marker** (string)-

- **MaxRecords** (*integer*) –

Return type dict

Returns

Response Syntax

```
{
  'Marker': 'string',
  'OrderableDBInstanceOptions': [
    {
      'AvailabilityZones': [
        {
          'Name': 'string',
          'NiftyStorageTypes': [
            123,
          ],
          'ProvisionedIopsCapable': True|False
        },
      ],
      'DBInstanceClass': 'string',
      'Engine': 'string',
      'EngineVersion': 'string',
      'LicenseModel': 'string',
      'MultiAZCapable': True|False,
      'ReadReplicaCapable': True|False,
      'Vpc': True|False
    },
  ],
}
```

Response Structure

- (*dict*) –
 - **Marker** (*string*) –
 - **OrderableDBInstanceOptions** (*list*) –
 - * (*dict*) –
 - **AvailabilityZones** (*list*) –
 - (*dict*) –
 - **Name** (*string*) –
 - **NiftyStorageTypes** (*list*) –
 - (*integer*) –
 - **ProvisionedIopsCapable** (*boolean*) –
 - **DBInstanceClass** (*string*) –
 - **Engine** (*string*) –
 - **EngineVersion** (*string*) –
 - **LicenseModel** (*string*) –
 - **MultiAZCapable** (*boolean*) –
 - **ReadReplicaCapable** (*boolean*) –
 - **Vpc** (*boolean*) –

download_db_log_file_portion (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.download_db_log_file_portion(
    DBInstanceIdentifier='string',
    LogFileName='string',
```

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```

Marker='string',
NumberOfLines=123
)

```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **LogFileName** (*string*) –
- **Marker** (*string*) –
- **NumberOfLines** (*integer*) –

Return type dict**Returns****Response Syntax**

```

{
    'AdditionalDataPending': True|False,
    'LogFileData': 'string',
    'Marker': 'string'
}

```

Response Structure

- (*dict*) –
 - **AdditionalDataPending** (*boolean*) –
 - **LogFileData** (*string*) –
 - **Marker** (*string*) –

generate_presigned_url (*ClientMethod*, *Params=None*, *ExpiresIn=3600*, *HttpMethod=None*)

Generate a presigned url given a client, its method, and arguments

Parameters

- **ClientMethod** (*string*) – The client method to presign for
- **Params** (*dict*) – The parameters normally passed to *ClientMethod*.
- **ExpiresIn** (*int*) – The number of seconds the presigned url is valid for. By default it expires in an hour (3600 seconds)
- **HttpMethod** (*string*) – The http method to use on the generated url. By default, the http method is whatever is used in the method's model.

Returns The presigned url**get_paginator** (*operation_name*)

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}**Returns** A paginator object.**get_waiter** (*waiter_name*)

Returns an object that can wait for some condition.

Parameters **waiter_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.**Return type** botocore.waiter.Waiter

`modify_db_instance (**kwargs)`

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.modify_db_instance(
    AllocatedStorage=123,
    ApplyImmediately=True|False,
    BackupRetentionPeriod=123,
    DBInstanceClass='string',
    DBInstanceIdentifier='string',
    DBParameterGroupName='string',
    DBSecurityGroups=[
        'string',
    ],
    MasterUserPassword='string',
    MultiAZ=True|False,
    NewDBInstanceIdentifier='string',
    NiftyMultiAZType=123,
    NiftyReadReplicaDBInstanceIdentifier='string',
    NiftyReadReplicaPrivateAddress='string',
    NiftySlavePrivateAddress='string',
    PreferredBackupWindow='string',
    PreferredMaintenanceWindow='string'
)
```

Parameters

- **AllocatedStorage** (*integer*) –
- **ApplyImmediately** (*boolean*) –
- **BackupRetentionPeriod** (*integer*) –
- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **DBParameterGroupName** (*string*) –
- **DBSecurityGroups** (*list*) –
– (*string*) –
- **MasterUserPassword** (*string*) –
- **MultiAZ** (*boolean*) –
- **NewDBInstanceIdentifier** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftyReadReplicaDBInstanceIdentifier** (*string*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **PreferredBackupWindow** (*string*) –
- **PreferredMaintenanceWindow** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
```

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```

'DBInstanceStatus': 'string',
'DBName': 'string',
'DBParameterGroups': [
    {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
    },
],
'DBSecurityGroups': [
    {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
            {
                'EC2SecurityGroupName': 'string',
                'EC2SecurityGroupOwnerId': 'string',
                'Status': 'string'
            },
        ],
        'IPRanges': [
            {
                'CIDRIP': 'string',
                'Status': 'string'
            },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
    },
],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',

```

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```

        'DBInstanceIdentifier': 'string',
        'EngineVersion': 'string',
        'MasterUserPassword': 'string',
        'MultiAZ': 'string',
        'NiftyMultiAZType': 'string',
        'Port': 'string'
    },
    'PreferredBackupWindow': 'string',
    'PreferredMaintenanceWindow': 'string',
    'PubliclyAccessible': True|False,
    'ReadReplicaDBInstanceIdentifiers': [
        {
            'ReadReplicaDBInstanceIdentifier': 'string'
        },
    ],
    'ReadReplicaSourceDBInstanceIdentifier': 'string',
    'SecondaryAvailabilityZone': 'string',
    'StatusInfos': [
        {
            'Message': 'string',
            'Normal': True|False,
            'Status': 'string',
            'StatusType': 'string'
        },
    ],
    'VpcSecurityGroups': [
        {}
    ]
}

```

Response Structure

- (dict) –
 - **DBInstance** (dict) –
 - * **AllocatedStorage** (string) –
 - * **AutoMinorVersionUpgrade** (boolean) –
 - * **AvailabilityZone** (string) –
 - * **BackupRetentionPeriod** (string) –
 - * **DBInstanceClass** (string) –
 - * **DBInstanceIdentifier** (string) –
 - * **DBInstanceStatus** (string) –
 - * **DBName** (string) –
 - * **DBParameterGroups** (list) –
 - (dict) –
 - **DBParameterGroupFamily** (string) –
 - **DBParameterGroupName** (string) –
 - **Description** (string) –
 - * **DBSecurityGroups** (list) –
 - (dict) –
 - **DBSecurityGroupDescription** (string) –
 - **DBSecurityGroupName** (string) –
 - **EC2SecurityGroups** (list) –
 - (dict) –
 - **EC2SecurityGroupName** (string) –
 - **EC2SecurityGroupOwnerId** (string) –

- **Status** (*string*) –
- **IPRanges** (*list*) –
- (*dict*) –
- **CIDRIP** (*string*) –
- **Status** (*string*) –
- **NiftyAvailabilityZone** (*string*) –
- **OwnerId** (*string*) –
- * **Endpoint** (*dict*) –
 - **Address** (*string*) –
 - **NiftyPrivateAddress** (*string*) –
 - **Port** (*string*) –
- * **Engine** (*string*) –
- * **EngineVersion** (*string*) –
- * **InstanceCreateTime** (*string*) –
- * **LatestRestorableTime** (*string*) –
- * **LicenseModel** (*string*) –
- * **MasterUsername** (*string*) –
- * **MultiAZ** (*string*) –
- * **NiftyMasterPrivateAddress** (*string*) –
- * **NiftyMultiAZType** (*string*) –
- * **NiftyNetworkId** (*string*) –
- * **NiftySlavePrivateAddress** (*string*) –
- * **NiftyStorageType** (*integer*) –
- * **OptionGroupMemberships** (*list*) –
 - (*dict*) –
 - **OptionGroupName** (*string*) –
 - **Status** (*string*) –
- * **PendingModifiedValues** (*dict*) –
 - **AllocatedStorage** (*string*) –
 - **BackupRetentionPeriod** (*string*) –
 - **DBInstanceClass** (*string*) –
 - **DBInstanceIdentifier** (*string*) –
 - **EngineVersion** (*string*) –
 - **MasterUserPassword** (*string*) –
 - **MultiAZ** (*string*) –
 - **NiftyMultiAZType** (*string*) –
 - **Port** (*string*) –
- * **PreferredBackupWindow** (*string*) –
- * **PreferredMaintenanceWindow** (*string*) –
- * **PubliclyAccessible** (*boolean*) –
- * **ReadReplicaDBInstanceIdentifiers** (*list*) –
 - (*dict*) –
 - **ReadReplicaDBInstanceIdentifier** (*string*) –
- * **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- * **SecondaryAvailabilityZone** (*string*) –
- * **StatusInfos** (*list*) –
 - (*dict*) –
 - **Message** (*string*) –
 - **Normal** (*boolean*) –
 - **Status** (*string*) –
 - **StatusType** (*string*) –
- * **VpcSecurityGroups** (*list*) –
 - (*dict*) –

modify_db_parameter_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.modify_db_parameter_group(
    DBParameterGroupName='string',
    Parameters=[
        {
            'ApplyMethod': 'string',
            'ParameterName': 'string',
            'ParameterValue': 'string'
        },
    ]
)
```

Parameters

- **DBParameterGroupName** (*string*) –
- **Parameters** (*list*) –
 - (*dict*) –
 - * **ApplyMethod** (*string*) –
 - * **ParameterName** (*string*) –
 - * **ParameterValue** (*string*) –

Return type dict

Returns

Response Syntax

```
{
    'DBParameterGroupName': 'string'
}
```

Response Structure

- (*dict*) –
 - **DBParameterGroupName** (*string*) –

modify_event_subscription (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.modify_event_subscription(
    Enabled=True | False,
    EventCategories=[
        'string',
    ],
    NiftyDescription='string',
    NiftyEmailAddresses=[
        'string',
    ],
    SourceType='string',
    SubscriptionName='string'
)
```

Parameters

- **Enabled** (*boolean*) –
- **EventCategories** (*list*) –
 - (*string*) –
- **NiftyDescription** (*string*) –

- **NiftyEmailAddresses** (*list*) –
 - (*string*) –
- **SourceType** (*string*) –
- **SubscriptionName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'EventSubscription': {
    'CustSubscriptionId': 'string',
    'Enabled': 'string',
    'EventCategoriesList': [
      'string',
    ],
    'NiftyDescription': 'string',
    'NiftyEmailAddressesList': [
      'string',
    ],
    'SourceIdsList': [
      'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
  }
}
```

Response Structure

- (*dict*) –
 - **EventSubscription** (*dict*) –
 - * **CustSubscriptionId** (*string*) –
 - * **Enabled** (*string*) –
 - * **EventCategoriesList** (*list*) –
 - (*string*) –
 - * **NiftyDescription** (*string*) –
 - * **NiftyEmailAddressesList** (*list*) –
 - (*string*) –
 - * **SourceIdsList** (*list*) –
 - (*string*) –
 - * **SourceType** (*string*) –
 - * **Status** (*string*) –
 - * **SubscriptionCreationTime** (*string*) –

nifty_failover_db_instance (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_failover_db_instance(
    DBInstanceIdentifier='string'
)
```

Parameters **DBInstanceIdentifier** (*string*) –

Return type dict

Returns

Response Syntax

```

{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
        'IPRanges': [
          {
            'CIDRIP': 'string',
            'Status': 'string'
          },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
      'NiftyPrivateAddress': 'string',
      'Port': 'string'
    },
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LatestRestorableTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'MultiAZ': 'string',
    'NiftyMasterPrivateAddress': 'string',
    'NiftyMultiAZType': 'string',
    'NiftyNetworkId': 'string',
    'NiftySlavePrivateAddress': 'string',
    'NiftyStorageType': 123,
    'OptionGroupMemberships': [

```

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```

    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',
        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
'VpcSecurityGroups': [
    {}],
]
}

```

Response Structure

- (dict) –
 - **DBInstance** (dict) –
 - * **AllocatedStorage** (string) –
 - * **AutoMinorVersionUpgrade** (boolean) –
 - * **AvailabilityZone** (string) –
 - * **BackupRetentionPeriod** (string) –
 - * **DBInstanceClass** (string) –
 - * **DBInstanceIdentifier** (string) –
 - * **DBInstanceStatus** (string) –
 - * **DBName** (string) –
 - * **DBParameterGroups** (list) –
 - (dict) –
 - **DBParameterGroupFamily** (string) –
 - **DBParameterGroupName** (string) –
 - **Description** (string) –

- * **DBSecurityGroups** (*list*) –
 - (*dict*) –
 - **DBSecurityGroupDescription** (*string*) –
 - **DBSecurityGroupName** (*string*) –
 - **EC2SecurityGroups** (*list*) –
 - (*dict*) –
 - **EC2SecurityGroupName** (*string*) –
 - **EC2SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
 - **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NiftyAvailabilityZone** (*string*) –
 - **OwnerId** (*string*) –
- * **Endpoint** (*dict*) –
 - **Address** (*string*) –
 - **NiftyPrivateAddress** (*string*) –
 - **Port** (*string*) –
- * **Engine** (*string*) –
- * **EngineVersion** (*string*) –
- * **InstanceCreateTime** (*string*) –
- * **LatestRestorableTime** (*string*) –
- * **LicenseModel** (*string*) –
- * **MasterUsername** (*string*) –
- * **MultiAZ** (*string*) –
- * **NiftyMasterPrivateAddress** (*string*) –
- * **NiftyMultiAZType** (*string*) –
- * **NiftyNetworkId** (*string*) –
- * **NiftySlavePrivateAddress** (*string*) –
- * **NiftyStorageType** (*integer*) –
- * **OptionGroupMemberships** (*list*) –
 - (*dict*) –
 - **OptionGroupName** (*string*) –
 - **Status** (*string*) –
- * **PendingModifiedValues** (*dict*) –
 - **AllocatedStorage** (*string*) –
 - **BackupRetentionPeriod** (*string*) –
 - **DBInstanceClass** (*string*) –
 - **DBInstanceIdentifier** (*string*) –
 - **EngineVersion** (*string*) –
 - **MasterUserPassword** (*string*) –
 - **MultiAZ** (*string*) –
 - **NiftyMultiAZType** (*string*) –
 - **Port** (*string*) –
- * **PreferredBackupWindow** (*string*) –
- * **PreferredMaintenanceWindow** (*string*) –
- * **PubliclyAccessible** (*boolean*) –
- * **ReadReplicaDBInstanceIdentifiers** (*list*) –
 - (*dict*) –
 - **ReadReplicaDBInstanceIdentifier** (*string*) –
- * **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- * **SecondaryAvailabilityZone** (*string*) –
- * **StatusInfos** (*list*) –

- *(dict)* –
- **Message** (*string*) –
- **Normal** (*boolean*) –
- **Status** (*string*) –
- **StatusType** (*string*) –
- * **VpcSecurityGroups** (*list*) –
- *(dict)* –

nifty_get_metric_statistics (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.nifty_get_metric_statistics(
    Dimensions=[
        {
            'Name': 'string',
            'Value': 'string'
        },
    ],
    EndTime=datetime(2015, 1, 1),
    MetricName='string',
    StartTime=datetime(2015, 1, 1)
)
```

Parameters

- **Dimensions** (*list*) –
 - *(dict)* –
 - * **Name** (*string*) –
 - * **Value** (*string*) –
- **EndTime** (*datetime*) –
- **MetricName** (*string*) –
- **StartTime** (*datetime*) –

Return type dict

Returns

Response Syntax

```
{
    'Datapoints': [
        {
            'NiftyTargetName': 'string',
            'SampleCount': 'string',
            'Sum': 'string',
            'Timestamp': 'string'
        },
    ],
    'Label': 'string'
}
```

Response Structure

- *(dict)* –
 - **Datapoints** (*list*) –
 - * *(dict)* –
 - **NiftyTargetName** (*string*) –
 - **SampleCount** (*string*) –
 - **Sum** (*string*) –
 - **Timestamp** (*string*) –

– **Label** (*string*) –

reboot_db_instance (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.reboot_db_instance(
    DBInstanceIdentifier='string',
    ForceFailover=True|False,
    NiftyRebootType='string'
)
```

Parameters

- **DBInstanceIdentifier** (*string*) –
- **ForceFailover** (*boolean*) –
- **NiftyRebootType** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
      },
    ],
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NiftyAvailabilityZone': 'string',
    'OwnerId': 'string'
  },
}
```

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```

],
'Endpoint': {
    'Address': 'string',
    'NiftyPrivateAddress': 'string',
    'Port': 'string'
},
'Engine': 'string',
'EngineVersion': 'string',
'InstanceCreateTime': 'string',
'LatestRestorableTime': 'string',
'LicenseModel': 'string',
'MasterUsername': 'string',
'MultiAZ': 'string',
'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',
        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
'VpcSecurityGroups': [
    {}],
]
}

```

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}

Response Structure

- *(dict)* –
 - **DBInstance** *(dict)* –
 - * **AllocatedStorage** *(string)* –
 - * **AutoMinorVersionUpgrade** *(boolean)* –
 - * **AvailabilityZone** *(string)* –
 - * **BackupRetentionPeriod** *(string)* –
 - * **DBInstanceClass** *(string)* –
 - * **DBInstanceIdentifier** *(string)* –
 - * **DBInstanceStatus** *(string)* –
 - * **DBName** *(string)* –
 - * **DBParameterGroups** *(list)* –
 - *(dict)* –
 - **DBParameterGroupFamily** *(string)* –
 - **DBParameterGroupName** *(string)* –
 - **Description** *(string)* –
 - * **DBSecurityGroups** *(list)* –
 - *(dict)* –
 - **DBSecurityGroupDescription** *(string)* –
 - **DBSecurityGroupName** *(string)* –
 - **EC2SecurityGroups** *(list)* –
 - *(dict)* –
 - **EC2SecurityGroupName** *(string)* –
 - **EC2SecurityGroupOwnerId** *(string)* –
 - **Status** *(string)* –
 - **IPRanges** *(list)* –
 - *(dict)* –
 - **CIDRIP** *(string)* –
 - **Status** *(string)* –
 - **NiftyAvailabilityZone** *(string)* –
 - **OwnerId** *(string)* –
 - * **Endpoint** *(dict)* –
 - **Address** *(string)* –
 - **NiftyPrivateAddress** *(string)* –
 - **Port** *(string)* –
 - * **Engine** *(string)* –
 - * **EngineVersion** *(string)* –
 - * **InstanceCreateTime** *(string)* –
 - * **LatestRestorableTime** *(string)* –
 - * **LicenseModel** *(string)* –
 - * **MasterUsername** *(string)* –
 - * **MultiAZ** *(string)* –
 - * **NiftyMasterPrivateAddress** *(string)* –
 - * **NiftyMultiAZType** *(string)* –
 - * **NiftyNetworkId** *(string)* –
 - * **NiftySlavePrivateAddress** *(string)* –
 - * **NiftyStorageType** *(integer)* –
 - * **OptionGroupMemberships** *(list)* –
 - *(dict)* –
 - **OptionGroupName** *(string)* –
 - **Status** *(string)* –

- * **PendingModifiedValues** (*dict*) –
 - **AllocatedStorage** (*string*) –
 - **BackupRetentionPeriod** (*string*) –
 - **DBInstanceClass** (*string*) –
 - **DBInstanceIdentifier** (*string*) –
 - **EngineVersion** (*string*) –
 - **MasterUserPassword** (*string*) –
 - **MultiAZ** (*string*) –
 - **NiftyMultiAZType** (*string*) –
 - **Port** (*string*) –
- * **PreferredBackupWindow** (*string*) –
- * **PreferredMaintenanceWindow** (*string*) –
- * **PubliclyAccessible** (*boolean*) –
- * **ReadReplicaDBInstanceIdentifiers** (*list*) –
 - (*dict*) –
 - **ReadReplicaDBInstanceIdentifier** (*string*) –
- * **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- * **SecondaryAvailabilityZone** (*string*) –
- * **StatusInfos** (*list*) –
 - (*dict*) –
 - **Message** (*string*) –
 - **Normal** (*boolean*) –
 - **Status** (*string*) –
 - **StatusType** (*string*) –
- * **VpcSecurityGroups** (*list*) –
 - (*dict*) –

`remove_source_identifier_from_subscription(**kwargs)`

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.remove_source_identifier_from_subscription(  
    SourceIdentifier='string',  
    SubscriptionName='string'  
)
```

Parameters

- **SourceIdentifier** (*string*) –
- **SubscriptionName** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'EventSubscription': {  
        'CustSubscriptionId': 'string',  
        'Enabled': 'string',  
        'EventCategoriesList': [  
            'string',  
        ],  
        'NiftyDescription': 'string',  
        'NiftyEmailAddressesList': [  
            'string',  
        ],  
    },  
}
```

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```

    'SourceIdsList': [
        'string',
    ],
    'SourceType': 'string',
    'Status': 'string',
    'SubscriptionCreationTime': 'string'
}

```

Response Structure

- (*dict*) –
 - **EventSubscription** (*dict*) –
 - * **CustSubscriptionId** (*string*) –
 - * **Enabled** (*string*) –
 - * **EventCategoriesList** (*list*) –
 - (*string*) –
 - * **NiftyDescription** (*string*) –
 - * **NiftyEmailAddressesList** (*list*) –
 - (*string*) –
 - * **SourceIdsList** (*list*) –
 - (*string*) –
 - * **SourceType** (*string*) –
 - * **Status** (*string*) –
 - * **SubscriptionCreationTime** (*string*) –

reset_db_parameter_group (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```

response = client.reset_db_parameter_group(
    DBParameterGroupName='string',
    Parameters=[
        {
            'ApplyMethod': 'string',
            'ParameterName': 'string',
            'ParameterValue': 'string'
        },
    ],
    ResetAllParameters=True|False
)

```

Parameters

- **DBParameterGroupName** (*string*) –
- **Parameters** (*list*) –
 - (*dict*) –
 - * **ApplyMethod** (*string*) –
 - * **ParameterName** (*string*) –
 - * **ParameterValue** (*string*) –
- **ResetAllParameters** (*boolean*) –

Return type dict

Returns**Response Syntax**

```
{
    'DBParameterGroupName': 'string'
}
```

Response Structure

- (*dict*) –
 - **DBParameterGroupName** (*string*) –

restore_db_instance_from_db_snapshot (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.restore_db_instance_from_db_snapshot(
    AvailabilityZone='string',
    DBInstanceClass='string',
    DBInstanceIdentifier='string',
    DBName='string',
    DBSnapshotIdentifier='string',
    Engine='string',
    LicenseModel='string',
    MultiAZ=True|False,
    NiftyDBParameterGroupName='string',
    NiftyDBSecurityGroups=[
        'string',
    ],
    NiftyMasterPrivateAddress='string',
    NiftyMultiAZType=123,
    NiftyNetworkId='string',
    NiftyReadReplicaDBInstanceIdentifier=123,
    NiftyReadReplicaPrivateAddress='string',
    NiftySlavePrivateAddress='string',
    NiftyStorageType=123,
    NiftyVirtualPrivateAddress='string',
    Port=123,
    PubliclyAccessible=True|False
)
```

Parameters

- **AvailabilityZone** (*string*) –
- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **DBName** (*string*) –
- **DBSnapshotIdentifier** (*string*) –
- **Engine** (*string*) –
- **LicenseModel** (*string*) –
- **MultiAZ** (*boolean*) –
- **NiftyDBParameterGroupName** (*string*) –
- **NiftyDBSecurityGroups** (*list*) –
 - (*string*) –
- **NiftyMasterPrivateAddress** (*string*) –
- **NiftyMultiAZType** (*integer*) –
- **NiftyNetworkId** (*string*) –
- **NiftyReadReplicaDBInstanceIdentifier** (*integer*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –

- **NiftyVirtualPrivateAddress** (*string*)–
- **Port** (*integer*)–
- **PubliclyAccessible** (*boolean*)–

Return type dict

Returns

Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
        'IPRanges': [
          {
            'CIDRIP': 'string',
            'Status': 'string'
          },
        ],
        'NiftyAvailabilityZone': 'string',
        'OwnerId': 'string'
      },
    ],
    'Endpoint': {
      'Address': 'string',
      'NiftyPrivateAddress': 'string',
      'Port': 'string'
    },
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LatestRestorableTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'MultiAZ': 'string',
  },
}
```

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```

'NiftyMasterPrivateAddress': 'string',
'NiftyMultiAZType': 'string',
'NiftyNetworkId': 'string',
'NiftySlavePrivateAddress': 'string',
'NiftyStorageType': 123,
'OptionGroupMemberships': [
    {
        'OptionGroupName': 'string',
        'Status': 'string'
    },
],
'PendingModifiedValues': {
    'AllocatedStorage': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'EngineVersion': 'string',
    'MasterUserPassword': 'string',
    'MultiAZ': 'string',
    'NiftyMultiAZType': 'string',
    'Port': 'string'
},
'PreferredBackupWindow': 'string',
'PreferredMaintenanceWindow': 'string',
'PubliclyAccessible': True|False,
'ReadReplicaDBInstanceIdentifiers': [
    {
        'ReadReplicaDBInstanceIdentifier': 'string'
    },
],
'ReadReplicaSourceDBInstanceIdentifier': 'string',
'SecondaryAvailabilityZone': 'string',
'StatusInfos': [
    {
        'Message': 'string',
        'Normal': True|False,
        'Status': 'string',
        'StatusType': 'string'
    },
],
'VpcSecurityGroups': [
    {}],
]
}

```

Response Structure

- (dict) –
 - **DBInstance** (dict) –
 - * **AllocatedStorage** (string) –
 - * **AutoMinorVersionUpgrade** (boolean) –
 - * **AvailabilityZone** (string) –
 - * **BackupRetentionPeriod** (string) –
 - * **DBInstanceClass** (string) –
 - * **DBInstanceIdentifier** (string) –
 - * **DBInstanceStatus** (string) –

- * **DBName** (*string*) –
- * **DBParameterGroups** (*list*) –
 - (*dict*) –
 - **DBParameterGroupFamily** (*string*) –
 - **DBParameterGroupName** (*string*) –
 - **Description** (*string*) –
- * **DBSecurityGroups** (*list*) –
 - (*dict*) –
 - **DBSecurityGroupDescription** (*string*) –
 - **DBSecurityGroupName** (*string*) –
 - **EC2SecurityGroups** (*list*) –
 - (*dict*) –
 - **EC2SecurityGroupName** (*string*) –
 - **EC2SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
 - **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - **NiftyAvailabilityZone** (*string*) –
 - **OwnerId** (*string*) –
- * **Endpoint** (*dict*) –
 - **Address** (*string*) –
 - **NiftyPrivateAddress** (*string*) –
 - **Port** (*string*) –
- * **Engine** (*string*) –
- * **EngineVersion** (*string*) –
- * **InstanceCreateTime** (*string*) –
- * **LatestRestorableTime** (*string*) –
- * **LicenseModel** (*string*) –
- * **MasterUsername** (*string*) –
- * **MultiAZ** (*string*) –
- * **NiftyMasterPrivateAddress** (*string*) –
- * **NiftyMultiAZType** (*string*) –
- * **NiftyNetworkId** (*string*) –
- * **NiftySlavePrivateAddress** (*string*) –
- * **NiftyStorageType** (*integer*) –
- * **OptionGroupMemberships** (*list*) –
 - (*dict*) –
 - **OptionGroupName** (*string*) –
 - **Status** (*string*) –
- * **PendingModifiedValues** (*dict*) –
 - **AllocatedStorage** (*string*) –
 - **BackupRetentionPeriod** (*string*) –
 - **DBInstanceClass** (*string*) –
 - **DBInstanceIdentifier** (*string*) –
 - **EngineVersion** (*string*) –
 - **MasterUserPassword** (*string*) –
 - **MultiAZ** (*string*) –
 - **NiftyMultiAZType** (*string*) –
 - **Port** (*string*) –
- * **PreferredBackupWindow** (*string*) –
- * **PreferredMaintenanceWindow** (*string*) –
- * **PubliclyAccessible** (*boolean*) –

- * **ReadReplicaDBInstanceIdentifiers** (*list*) –
 - (*dict*) –
 - **ReadReplicaDBInstanceIdentifier** (*string*) –
- * **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- * **SecondaryAvailabilityZone** (*string*) –
- * **StatusInfos** (*list*) –
 - (*dict*) –
 - **Message** (*string*) –
 - **Normal** (*boolean*) –
 - **Status** (*string*) –
 - **StatusType** (*string*) –
- * **VpcSecurityGroups** (*list*) –
 - (*dict*) –

restore_db_instance_to_point_in_time (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.restore_db_instance_to_point_in_time(  
    AvailabilityZone='string',  
    DBInstanceClass='string',  
    DBName='string',  
    Engine='string',  
    LicenseModel='string',  
    MultiAZ=True|False,  
    NiftyDBParameterGroupName='string',  
    NiftyDBSecurityGroups=[  
        'string',  
    ],  
    NiftyMasterPrivateAddress='string',  
    NiftyMultiAZType=123,  
    NiftyNetworkId='string',  
    NiftyReadReplicaDBInstanceIdentifier='string',  
    NiftyReadReplicaPrivateAddress='string',  
    NiftySlavePrivateAddress='string',  
    NiftyStorageType=123,  
    NiftyVirtualPrivateAddress='string',  
    Port=123,  
    PubliclyAccessible=True|False,  
    RestoreTime=datetime(2015, 1, 1),  
    SourceDBInstanceIdentifier='string',  
    TargetDBInstanceIdentifier='string',  
    UseLatestRestorableTime=True|False  
)
```

Parameters

- **AvailabilityZone** (*string*) –
- **DBInstanceClass** (*string*) –
- **DBName** (*string*) –
- **Engine** (*string*) –
- **LicenseModel** (*string*) –
- **MultiAZ** (*boolean*) –
- **NiftyDBParameterGroupName** (*string*) –
- **NiftyDBSecurityGroups** (*list*) –
 - (*string*) –
- **NiftyMasterPrivateAddress** (*string*) –

- **NiftyMultiAZType** (*integer*) –
- **NiftyNetworkId** (*string*) –
- **NiftyReadReplicaDBInstanceIdentifier** (*string*) –
- **NiftyReadReplicaPrivateAddress** (*string*) –
- **NiftySlavePrivateAddress** (*string*) –
- **NiftyStorageType** (*integer*) –
- **NiftyVirtualPrivateAddress** (*string*) –
- **Port** (*integer*) –
- **PubliclyAccessible** (*boolean*) –
- **RestoreTime** (*datetime*) –
- **SourceDBInstanceIdentifier** (*string*) –
- **TargetDBInstanceIdentifier** (*string*) –
- **UseLatestRestorableTime** (*boolean*) –

Return type dict

Returns

Response Syntax

```
{
  'DBInstance': {
    'AllocatedStorage': 'string',
    'AutoMinorVersionUpgrade': True|False,
    'AvailabilityZone': 'string',
    'BackupRetentionPeriod': 'string',
    'DBInstanceClass': 'string',
    'DBInstanceIdentifier': 'string',
    'DBInstanceStatus': 'string',
    'DBName': 'string',
    'DBParameterGroups': [
      {
        'DBParameterGroupFamily': 'string',
        'DBParameterGroupName': 'string',
        'Description': 'string'
      },
    ],
    'DBSecurityGroups': [
      {
        'DBSecurityGroupDescription': 'string',
        'DBSecurityGroupName': 'string',
        'EC2SecurityGroups': [
          {
            'EC2SecurityGroupName': 'string',
            'EC2SecurityGroupOwnerId': 'string',
            'Status': 'string'
          },
        ],
      ],
    'IPRanges': [
      {
        'CIDRIP': 'string',
        'Status': 'string'
      },
    ],
    'NiftyAvailabilityZone': 'string',
    'OwnerId': 'string'
  },
  'Endpoint': {
```

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```

        'Address': 'string',
        'NiftyPrivateAddress': 'string',
        'Port': 'string'
    },
    'Engine': 'string',
    'EngineVersion': 'string',
    'InstanceCreateTime': 'string',
    'LatestRestorableTime': 'string',
    'LicenseModel': 'string',
    'MasterUsername': 'string',
    'MultiAZ': 'string',
    'NiftyMasterPrivateAddress': 'string',
    'NiftyMultiAZType': 'string',
    'NiftyNetworkId': 'string',
    'NiftySlavePrivateAddress': 'string',
    'NiftyStorageType': 123,
    'OptionGroupMemberships': [
        {
            'OptionGroupName': 'string',
            'Status': 'string'
        }
    ],
    'PendingModifiedValues': {
        'AllocatedStorage': 'string',
        'BackupRetentionPeriod': 'string',
        'DBInstanceClass': 'string',
        'DBInstanceIdentifier': 'string',
        'EngineVersion': 'string',
        'MasterUserPassword': 'string',
        'MultiAZ': 'string',
        'NiftyMultiAZType': 'string',
        'Port': 'string'
    },
    'PreferredBackupWindow': 'string',
    'PreferredMaintenanceWindow': 'string',
    'PubliclyAccessible': True|False,
    'ReadReplicaDBInstanceIdentifiers': [
        {
            'ReadReplicaDBInstanceIdentifier': 'string'
        }
    ],
    'ReadReplicaSourceDBInstanceIdentifier': 'string',
    'SecondaryAvailabilityZone': 'string',
    'StatusInfos': [
        {
            'Message': 'string',
            'Normal': True|False,
            'Status': 'string',
            'StatusType': 'string'
        }
    ],
    'VpcSecurityGroups': [
        {}
    ]
}

```


Response Structure

- *(dict)* –
 - **DBInstance** *(dict)* –
 - * **AllocatedStorage** *(string)* –
 - * **AutoMinorVersionUpgrade** *(boolean)* –
 - * **AvailabilityZone** *(string)* –
 - * **BackupRetentionPeriod** *(string)* –
 - * **DBInstanceClass** *(string)* –
 - * **DBInstanceIdentifier** *(string)* –
 - * **DBInstanceStatus** *(string)* –
 - * **DBName** *(string)* –
 - * **DBParameterGroups** *(list)* –
 - *(dict)* –
 - **DBParameterGroupFamily** *(string)* –
 - **DBParameterGroupName** *(string)* –
 - **Description** *(string)* –
 - * **DBSecurityGroups** *(list)* –
 - *(dict)* –
 - **DBSecurityGroupDescription** *(string)* –
 - **DBSecurityGroupName** *(string)* –
 - **EC2SecurityGroups** *(list)* –
 - *(dict)* –
 - **EC2SecurityGroupName** *(string)* –
 - **EC2SecurityGroupOwnerId** *(string)* –
 - **Status** *(string)* –
 - **IPRanges** *(list)* –
 - *(dict)* –
 - **CIDRIP** *(string)* –
 - **Status** *(string)* –
 - **NiftyAvailabilityZone** *(string)* –
 - **OwnerId** *(string)* –
 - * **Endpoint** *(dict)* –
 - **Address** *(string)* –
 - **NiftyPrivateAddress** *(string)* –
 - **Port** *(string)* –
 - * **Engine** *(string)* –
 - * **EngineVersion** *(string)* –
 - * **InstanceCreateTime** *(string)* –
 - * **LatestRestorableTime** *(string)* –
 - * **LicenseModel** *(string)* –
 - * **MasterUsername** *(string)* –
 - * **MultiAZ** *(string)* –
 - * **NiftyMasterPrivateAddress** *(string)* –
 - * **NiftyMultiAZType** *(string)* –
 - * **NiftyNetworkId** *(string)* –
 - * **NiftySlavePrivateAddress** *(string)* –
 - * **NiftyStorageType** *(integer)* –
 - * **OptionGroupMemberships** *(list)* –
 - *(dict)* –
 - **OptionGroupName** *(string)* –
 - **Status** *(string)* –
 - * **PendingModifiedValues** *(dict)* –
 - **AllocatedStorage** *(string)* –
 - **BackupRetentionPeriod** *(string)* –

- **DBInstanceClass** (*string*) –
- **DBInstanceIdentifier** (*string*) –
- **EngineVersion** (*string*) –
- **MasterUserPassword** (*string*) –
- **MultiAZ** (*string*) –
- **NiftyMultiAZType** (*string*) –
- **Port** (*string*) –
- * **PreferredBackupWindow** (*string*) –
- * **PreferredMaintenanceWindow** (*string*) –
- * **PubliclyAccessible** (*boolean*) –
- * **ReadReplicaDBInstanceIdentifiers** (*list*) –
 - (*dict*) –
 - **ReadReplicaDBInstanceIdentifier** (*string*) –
- * **ReadReplicaSourceDBInstanceIdentifier** (*string*) –
- * **SecondaryAvailabilityZone** (*string*) –
- * **StatusInfos** (*list*) –
 - (*dict*) –
 - **Message** (*string*) –
 - **Normal** (*boolean*) –
 - **Status** (*string*) –
 - **StatusType** (*string*) –
- * **VpcSecurityGroups** (*list*) –
 - (*dict*) –

revoke_db_security_group_ingress (**kwargs)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.revoke_db_security_group_ingress(
    CIDRIP='string',
    DBSecurityGroupName='string',
    EC2SecurityGroupName='string'
)
```

Parameters

- **CIDRIP** (*string*) –
- **DBSecurityGroupName** (*string*) –
- **EC2SecurityGroupName** (*string*) –

Return type dict

Returns

Response Syntax

```
{
  'DBSecurityGroup': {
    'DBSecurityGroupDescription': 'string',
    'DBSecurityGroupName': 'string',
    'EC2SecurityGroups': [
      {
        'EC2SecurityGroupName': 'string',
        'EC2SecurityGroupOwnerId': 'string',
        'Status': 'string'
      },
    ],
    'IPRanges': [
      {
```

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```

        'CIDRIP': 'string',
        'Status': 'string'
    },
],
'NiftyAvailabilityZone': 'string',
'OwnerId': 'string'
}

```

Response Structure

- (*dict*) –
 - **DBSecurityGroup** (*dict*) –
 - * **DBSecurityGroupDescription** (*string*) –
 - * **DBSecurityGroupName** (*string*) –
 - * **EC2SecurityGroups** (*list*) –
 - (*dict*) –
 - **EC2SecurityGroupName** (*string*) –
 - **EC2SecurityGroupOwnerId** (*string*) –
 - **Status** (*string*) –
 - * **IPRanges** (*list*) –
 - (*dict*) –
 - **CIDRIP** (*string*) –
 - **Status** (*string*) –
 - * **NiftyAvailabilityZone** (*string*) –
 - * **OwnerId** (*string*) –

1.4 script

Table of Contents

- *script*
 - *Client*

1.4.1 Client

class `script.Client`

A low-level client representing NIFCLOUD Script:

```
client = session.create_client('script')
```

These are the available methods:

- `can_paginate()`
- `execute_script()`
- `generate_presigned_url()`
- `get_paginator()`
- `get_waiter()`

can_paginate (*operation_name*)

Check if an operation can be paginated.

Parameters `operation_name` (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Returns True if the operation can be paginated, False otherwise.

execute_script (***kwargs*)

See also: [NIFCLOUD API Documentation](#)

Request Syntax

```
response = client.execute_script(  
    Body='string',  
    Header='string',  
    Method='string',  
    Query='string',  
    ScriptIdentifier='string'  
)
```

Parameters

- **Body** (*string*) –
- **Header** (*string*) –
- **Method** (*string*) –
- **Query** (*string*) –
- **ScriptIdentifier** (*string*) –

Return type dict

Returns

Response Syntax

```
{  
    'Result': {  
        'RequestBody': 'string',  
        'RequestHeader': 'string',  
        'RequestQuery': 'string',  
        'ResponseData': 'string',  
        'ResponseHeader': 'string',  
        'ResponseStatus': 123,  
        'ScriptIdentifier': 'string'  
    }  
}
```

Response Structure

- (*dict*) –
 - **Result** (*dict*) –
 - * **RequestBody** (*string*) –
 - * **RequestHeader** (*string*) –
 - * **RequestQuery** (*string*) –
 - * **ResponseData** (*string*) –
 - * **ResponseHeader** (*string*) –
 - * **ResponseStatus** (*integer*) –
 - * **ScriptIdentifier** (*string*) –

generate_presigned_url (*ClientMethod*, *Params=None*, *ExpiresIn=3600*, *HttpMethod=None*)

Generate a presigned url given a client, its method, and arguments

Parameters

- **ClientMethod** (*string*) – The client method to presign for

- **Params** (*dict*) – The parameters normally passed to `ClientMethod`.
- **ExpiresIn** (*int*) – The number of seconds the presigned url is valid for. By default it expires in an hour (3600 seconds)
- **HttpMethod** (*string*) – The http method to use on the generated url. By default, the http method is whatever is used in the method's model.

Returns The presigned url

get_paginator (*operation_name*)

Create a paginator for an operation.

Parameters **operation_name** (*string*) – The operation name. This is the same name as the method name on the client. For example, if the method name is `create_foo`, and you'd normally invoke the operation as `client.create_foo(**kwargs)`, if the `create_foo` operation can be paginated, you can use the call `client.get_paginator("create_foo")`.

Raises **OperationNotPageableError** – Raised if the operation is not pageable. You can use the `client.can_paginate` method to check if an operation is pageable.

Return type L{botocore.paginate.Paginator}

Returns A paginator object.

get_waiter (*waiter_name*)

Returns an object that can wait for some condition.

Parameters **waiter_name** (*str*) – The name of the waiter to get. See the waiters section of the service docs for a list of available waiters.

Returns The specified waiter object.

Return type botocore.waiter.Waiter

CHAPTER 2

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