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# **nifcloud-sdk-python Documentation**

*Release 0.1.3*

**FUJITSU CLOUD TECHNOLOGIES**

**Apr 06, 2018**



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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

#### Table of Contents

- *computing*
  - *Client*

#### 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_volume()`
- `authorize_security_group_ingress()`
- `can_paginate()`
- `cancel_copy_instances()`
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- `nifty_delete_elastic_load_balancer()`
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- `replace_route_table_association()`
- `revoke_security_group_ingress()`
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- `set_filter_for_load_balancer()`
- `start_instances()`
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- `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\_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,  
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',  
        ]  
    },  
]  
)
```

**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',
'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\_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
}
```

#### 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': [
        {
            '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': {
          'IpOwnerId': 'string',
          'PublicDnsName': 'string',
          'PublicIp': 'string',
          'PublicIpV6': 'string'
        },
        'Attachment': {
          'AttachTime': datetime(2015, 1, 1),
          'AttachmentID': 'string',
          'DeleteOnTermination': True|False,
          'DeviceIndex': 123,
          'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
          {
            'GroupId': 'string'
          },
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
```

```

        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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*) –
  - **IpOwnerId** (*string*) –
  - **PublicDnsName** (*string*) –
  - **PublicIp** (*string*) –
  - **PublicIpV6** (*string*) –
  - **Attachment** (*dict*) –
  - **AttachTime** (*datetime*) –
  - **AttachmentID** (*string*) –
  - **DeleteOnTermination** (*boolean*) –
  - **DeviceIndex** (*integer*) –
  - **Status** (*string*) –
  - **CidrBlock** (*string*) –
  - **Descriprion** (*string*) –
  - **Description** (*string*) –
  - **DeviceIndex** (*integer*) –
  - **Dhcp** (*boolean*) –
  - **DhcpOptionsId** (*string*) –
  - **GroupSet** (*list*) –
  - (*dict*) –
  - **GroupId** (*string*) –
  - **IpAddress** (*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*) –
  - **IpOwnerId** (*string*) –
  - **PublicDnsName** (*string*) –
  - **PublicIp** (*string*) –
  - **PublicIpV6** (*string*) –
  - **Primary** (*boolean*) –
  - **PrivateDnsName** (*string*) –
  - **PrivateIpAddress** (*string*) –
  - **SourceDestCheck** (*string*) –
  - **Status** (*string*) –
  - **SubnetId** (*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',
    '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\_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 ...',  
    'Instances': [  
        {  
            'InstanceId': 'string',  
            'InstanceUniqueId': 'string'  
        },  
    ]  
}
```

```

    {
        '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',
                    '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
```

```

        'DeviceIndex': 123,
        'Status': 'string'
    },
    'CidrBlock': 'string',
    'Description': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'IpAddress': 'string',
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
},
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Desription** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –

- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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',
    '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': [
    {
      '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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*) -
    - **IpOwnerId** (*string*) -
    - **PublicDnsName** (*string*) -
    - **PublicIp** (*string*) -
    - **PublicIpV6** (*string*) -
    - **Attachment** (*dict*) -
    - **AttachTime** (*datetime*) -
    - **AttachmentID** (*string*) -
    - **DeleteOnTermination** (*boolean*) -
    - **DeviceIndex** (*integer*) -
    - **Status** (*string*) -
    - **CidrBlock** (*string*) -
    - **Descripriion** (*string*) -
    - **Description** (*string*) -
    - **DeviceIndex** (*integer*) -
    - **Dhcp** (*boolean*) -
    - **DhcpOptionsId** (*string*) -
    - **GroupSet** (*list*) -
    - (*dict*) -
    - **GroupId** (*string*) -
    - **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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': [
            {
              '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',
                        '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': {
        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
      },
      'Attachment': {
        'AttachTime': datetime(2015, 1,
↵ 1),
        'AttachmentID': 'string',
        'DeleteOnTermination': ↵
↵ True|False,
        'DeviceIndex': 123,
        'Status': 'string'
      },
      'CidrBlock': 'string',
      'Description': 'string',
      'Description': 'string',
      'DeviceIndex': 123,
      'Dhcp': True|False,
      'DhcpOptionsId': 'string',
      'GroupSet': [
        {
          'GroupId': 'string'
        },
      ],
      'IpAddress': 'string',
      'MacAddress': 'string',
      'NetworkId': 'string',
      'NetworkInterfaceId': 'string',
      'NetworkName': 'string',
      'NiftyNetworkId': 'string',
      'NiftyNetworkName': 'string',
      'OwnerId': 'string',
      'PrivateDnsName': 'string',
      'PrivateIpAddress': 'string',
      'PrivateIpAddressV6': 'string',
      'PrivateIpAddressesSet': [
        {
          'Association': {
            'IpOwnerId': 'string',
            'PublicDnsName':
↵ 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
          },
          'Primary': True|False,
          'PrivateDnsName': 'string',
          'PrivateIpAddress': 'string
↵ '
        },
      ],
    },
  ],

```

```

        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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'
},
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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'
            },
          ],
          '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': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': datetime(2015, 1,
↵ 1),
                    'AttachmentID': 'string',
                    'DeleteOnTermination': ↵
↵ True|False,
                    'DeviceIndex': 123,
                    'Status': 'string'
                },
                'CidrBlock': 'string',
                'Descriprion': 'string',
                'Description': 'string',
                'DeviceIndex': 123,
                'Dhcp': True|False,
                'DhcpOptionsId': 'string',
                'GroupSet': [
                    {
                        'GroupId': 'string'
                    },
                ],
                'IpAddress': 'string',
                'MacAddress': 'string',
                'NetworkId': 'string',
                'NetworkInterfaceId': 'string',
                'NetworkName': 'string',
                'NiftyNetworkId': 'string',
                'NiftyNetworkName': 'string',
                'OwnerId': 'string',
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string',
                'PrivateIpAddressV6': 'string',
                'PrivateIpAddressesSet': [
                    {
                        'Association': {
                            'IpOwnerId': 'string',
                            'PublicDnsName':
↵ 'string',
                            'PublicIp': 'string',
                            'PublicIpV6': 'string'
                        },
                    },
                ],
            },
        ],
    },
}

```

```

        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
    },
    ],
    '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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –

- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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'
                    },
                ]
            },
            '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,
                '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\_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',
            ]
        },
    ],
    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': [
            {
                '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),

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

↪ True|False,

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

```

```

        'IpOwnerId': 'string',
        'PublicDnsName':
↪ 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Primary': True|False,
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string
↪ '
    },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
    },
],
'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'
            },
        ],
        'IpAddress': 'string',
        'NatTableAssociationId': 'string',
        'NatTableId': 'string',
        'NetworkInterfaceSet': [
            {

```

```

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

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

            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Descriprion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName':
↪ 'string',

                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string
↪ '

            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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': [
    {
        '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': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'AttachmentID': 'string',

```

```

        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'Status': 'string'
    },
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'IpAddress': 'string',
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'IpOwnerId': 'string',
                'PublicDnsName':
                    'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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) –
  - **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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descripton** (*string*) –
- **Description** (*string*) –

- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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*) –

- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descripriion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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',
    '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'
        },
        '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',
                '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,
        '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',
                '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': [
        {
            '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': [
        {
            '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
    }
},
'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
    },
  ]
},
'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',
            '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),

↪ True|False,

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

            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName':
↪ 'string',

```

```

        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Primary': True|False,
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string'
},
],
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': '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'
},
],
'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': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'AttachmentID': 'string',
                    'DeleteOnTermination': ↵
                    'DeviceIndex': 123,
                    'Status': 'string'
                },
                'CidrBlock': 'string',
                'Description': 'string',
                'Description': 'string',
                'DeviceIndex': 123,
                'Dhcp': True|False,
                'DhcpOptionsId': 'string',
                'GroupSet': [
                    {
                        'GroupId': 'string'
                    },
                ],
                'IpAddress': 'string',
                'MacAddress': 'string',
                'NetworkId': 'string',
                'NetworkInterfaceId': 'string',
                'NetworkName': 'string',
                'NiftyNetworkId': 'string',

```

```

        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName':
                        'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
            ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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',
'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': {
        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
      },
      'Attachment': {
        'AttachTime': datetime(2015, 1,
↪ 1),

        'AttachmentID': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'Status': 'string'
      },
      'CidrBlock': 'string',
      'Description': 'string',
      'Description': 'string',
      'DeviceIndex': 123,
      'Dhcp': True|False,
      'DhcpOptionsId': 'string',
      'GroupSet': [
        {
          'GroupId': 'string'
        }
      ],
      'IpAddress': 'string',
      'MacAddress': 'string',
      'NetworkId': 'string',
      'NetworkInterfaceId': 'string',
      'NetworkName': 'string',
      'NiftyNetworkId': 'string',
      'NiftyNetworkName': 'string',
      'OwnerId': 'string',
      'PrivateDnsName': 'string',
      'PrivateIpAddress': 'string',
      'PrivateIpAddressV6': 'string',
      'PrivateIpAddressesSet': [
        {
          'Association': {
            'IpOwnerId': 'string',

```



```

        'PublicDnsName':
            'PublicIp': 'string',
            'PublicIPv6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
},
],
}
},
'PrivateNetworkInfo': {
    'PrivateNetworkMeasuredRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    },
    'PrivateNetworkMonthlyRate': {
        'Charge': 123,
        'Type': 'string',
        'Unit': 'string',
        'Value': 123
    }
},
'RequestId': 'string',
'RouterInfo': {
    'RouterMeasuredRateSet': [
        {

```

```
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        'Value': 123
    },
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        },
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    ],
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},
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### Response Structure

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    - \* **AutoScaleCount** (dict) –
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      - **Unit** (string) –
      - **Value** (integer) –
    - \* **RunningScaleOutInstanceSet** (list) –
      - (dict) –
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      - **Unit** (string) –
      - **Value** (integer) –
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      - **Unit** (string) –
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- **Unit** (*string*) –
- **Value** (*integer*) –
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    - **Unit** (*string*) -
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    - **AvailabilityZone** (*string*) -
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    - **Description** (*string*) -
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    - **Architecture** (*string*) -
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    - **Description** (*string*) -
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- **MacAddress** (*string*) –
- **NetworkId** (*string*) –
- **NetworkInterfaceId** (*string*) –
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- **NiftyNetworkName** (*string*) –
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- **PrivateIpAddressV6** (*string*) –
- **PrivateIpAddressesSet** (*list*) –
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- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –

- **PublicIpV6** (*string*) –
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- **PrivateIpAddress** (*string*) –
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- **VpcId** (*string*) –
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- **ElasticLoadBalancerPort** (*integer*) –
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- **RegionName** (*string*) –
- **Platform** (*string*) –
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- **RootDeviceType** (*string*) –
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- **Tenancy** (*string*) –
- **VpcId** (*string*) –
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- **PrivateLanName** (*string*) –
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- (*dict*) –
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- **AvailabilityZone** (*string*) –
- **CreatedTime** (*datetime*) –
- **Description** (*string*) –

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- **NatTableId** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
- **IpOwnerId** (*string*) –
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- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
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- **Description** (*string*) –
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- **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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- **PublicIp** (*string*) –
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- **PrivateIpAddress** (*string*) –
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- **Status** (*string*) –
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- **VpcId** (*string*) –

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- **RouteTableId** (*string*) –
- **RouterId** (*string*) –
- **RouterName** (*string*) –
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- **Value** (*string*) –
- **Type** (*string*) –
- **State** (*string*) –
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- **Key** (*string*) –
- **Value** (*string*) –
- **Type** (*string*) –
- **Unit** (*string*) –
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- **AccountingType** (*string*) –
- **Attachments** (*list*) –
- (*dict*) –
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- **VpcId** (*string*) –
- **AvailabilityZone** (*string*) –
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- **ExpirationDate** (*datetime*) –
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- **IpAddress** (*string*) –
- **NetworkInterfaceSet** (*list*) –
- (*dict*) –
- **Association** (*dict*) –
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- **PublicIp** (*string*) –
- **PublicIPv6** (*string*) –
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- **AttachTime** (*datetime*) –
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- **Status** (*string*) –
- **CidrBlock** (*string*) –
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- **NiftyNetworkName** (*string*) –
- **OwnerId** (*string*) –
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- **PrivateIpAddressesSet** (*list*) –
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- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*string*) –
- **VpcId** (*string*) –
- **NiftyRedundancy** (*boolean*) –
- **NiftyVpnGatewayDescription** (*string*) –
- **NiftyVpnGatewayName** (*string*) –
- **NiftyVpnGatewayType** (*string*) –
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- **RouteTableId** (*string*) –
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- (*dict*) –
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- **Value** (*string*) –
- **Type** (*string*) –
- **VersionInformation** (*dict*) –
- **IsLatest** (*boolean*) –
- **Version** (*string*) –
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    - **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*) –
    - **VolumId** (*string*) –
    - **AvailabilityZone** (*string*) –
    - **Charge** (*integer*) –
    - **CreateTime** (*datetime*) –
    - **DiskType** (*string*) –
    - **NextMonthAccountingType** (*string*) –
    - **Size** (*string*) –
    - **SnapshotId** (*string*) –
    - **Status** (*string*) –
    - **Type** (*string*) –
    - **Unit** (*string*) –
    - **Value** (*integer*) –
    - **VolumId** (*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,
        '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',
        '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            }
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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) –
      - **IpOwnerId** (string) –
      - **PublicDnsName** (string) –
      - **PublicIp** (string) –
      - **PublicIpV6** (string) –
      - **Attachment** (dict) –
      - **AttachTime** (datetime) –
      - **AttachmentID** (string) –
      - **DeleteOnTermination** (boolean) –
      - **DeviceIndex** (integer) –
      - **Status** (string) –
      - **CidrBlock** (string) –
      - **Description** (string) –



- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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_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': [
    {
      '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*)

**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
        },
      },
    ],
    'Status': 'string',
    'StatusMessage': 'string',
  },
}
```

```

        'Volume': {
            'Id': 'string',
            'Size': 123
        }
    },
]
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            }
        ],
        'SourceDestCheck': 'string',

```

```
        'Status': 'string',
        'SubnetId': '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*) –
      - **IpOwnerId** (*string*) –
      - **PublicDnsName** (*string*) –
      - **PublicIp** (*string*) –
      - **PublicIpV6** (*string*) –
      - **Attachment** (*dict*) –



- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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',
    '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\_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',  
    ],  
    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',
    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,
    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',
    '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,
            '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'
    },
    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',
    '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': [
      {
        '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',
        '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'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
```

```

        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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'
},
],
'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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
    },
],
```

```

        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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',
'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': {
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpv6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'Status': 'string'
            },
            'CidrBlock': 'string',
            'Descripion': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'IpAddress': 'string',
            'MacAddress': 'string',
            'NetworkId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkName': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'PrivateIpAddressesSet': [
                {

```



```

        'Association': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
},
],
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –

- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descripion** (*string*) –

- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –

- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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': {
          'IpOwnerId': 'string',
          'PublicDnsName': 'string',
          'PublicIp': 'string',
          'PublicIpV6': 'string'
        },
        'Attachment': {
          'AttachTime': datetime(2015, 1, 1),
          'AttachmentID': 'string',
          'DeleteOnTermination': True|False,
          'DeviceIndex': 123,
          'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
```



```

        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': 'string',
        'VpcId': 'string'
    },
],
'NextMonthAccountingType': 'string',
'RouteTableAssociationId': 'string',
'RouteTableId': 'string',
'RouterId': 'string',
'RouterName': 'string',
'State': 'string',
'TagSet': [
    {
        'Key': 'string',
        '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*) -
    - **IpOwnerId** (*string*) -
    - **PublicDnsName** (*string*) -
    - **PublicIp** (*string*) -
    - **PublicIpV6** (*string*) -
    - **Attachment** (*dict*) -
    - **AttachTime** (*datetime*) -
    - **AttachmentID** (*string*) -
    - **DeleteOnTermination** (*boolean*) -
    - **DeviceIndex** (*integer*) -
    - **Status** (*string*) -
    - **CidrBlock** (*string*) -
    - **Descripriion** (*string*) -
    - **Description** (*string*) -
    - **DeviceIndex** (*integer*) -
    - **Dhcp** (*boolean*) -
    - **DhcpOptionsId** (*string*) -
    - **GroupSet** (*list*) -
    - (*dict*) -
    - **GroupId** (*string*) -
    - **IpAddress** (*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*) -
    - **IpOwnerId** (*string*) -
    - **PublicDnsName** (*string*) -
    - **PublicIp** (*string*) -
    - **PublicIpV6** (*string*) -
    - **Primary** (*boolean*) -
    - **PrivateDnsName** (*string*) -
    - **PrivateIpAddress** (*string*) -

- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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',  
    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',
'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': [
    {
      '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'
    },
  ],
  '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)
      },
      '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Descripriion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            }
        ]
    }
]

```

```

        },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
},
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
          },
          'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
          },
          'CidrBlock': 'string',
          'Description': 'string',
          'Description': 'string',
          'DeviceIndex': 123,
          'Dhcp': True|False,
          'DhcpOptionsId': 'string',
          'GroupSet': [
            {
              'GroupId': 'string'
            }
          ],
          'IpAddress': 'string',
          'MacAddress': 'string',
          'NetworkId': 'string',
          'NetworkInterfaceId': 'string',
          'NetworkName': 'string',
          'NiftyNetworkId': 'string',
          'NiftyNetworkName': 'string',
          'OwnerId': 'string',
          'PrivateDnsName': 'string',
```

```

        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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),
                'IsBackup': True|False
            },
            'CreatedTime': datetime(2015, 1, 1),
            'DeviceIndex': 123,
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'IpAddress': 'string',
            'NetworkInterfaceSet': [
                {
                    'Association': {
                        'IpOwnerId': 'string',
                        'PublicDnsName': 'string',
                        'PublicIp': 'string',
```

```

        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'Status': 'string'
    },
    'CidrBlock': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'IpAddress': 'string',
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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) –
      - **IpOwnerId** (string) –
      - **PublicDnsName** (string) –
      - **PublicIp** (string) –
      - **PublicIpV6** (string) –
      - **Attachment** (dict) –
      - **AttachTime** (datetime) –
      - **AttachmentID** (string) –
      - **DeleteOnTermination** (boolean) –
      - **DeviceIndex** (integer) –
      - **Status** (string) –
      - **CidrBlock** (string) –
      - **Descripriion** (string) –
      - **Description** (string) –
      - **DeviceIndex** (integer) –
      - **Dhcp** (boolean) –
      - **DhcpOptionsId** (string) –

- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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',
```

```

        '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'
                },
              ],
              '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'
        },
        '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': ↪
↪ True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
    },
],

```

```

        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName':
                        ↪ 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string
                ↪ '
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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'
},
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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': [
    {
      'AlarmRulesActivitiesDataSet': [
        {
          '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',
        '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'AttachmentID': 'string',

```

```

        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'Status': 'string'
    },
    'CidrBlock': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'IpAddress': 'string',
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'IpOwnerId': 'string',
                'PublicDnsName':
                    'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
    },
    ],
    ],
    '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*) –
    - **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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –

- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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': ↵
↵ datetime(2015, 1, 1)
            },
          ],
          '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),
            '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': {
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1,
↪ 1),

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

                'DeviceIndex': 123,
                'Status': 'string'
            },
            'CidrBlock': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                },
            ],
            'IpAddress': 'string',
            'MacAddress': 'string',
            'NetworkId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkName': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'PrivateIpAddressesSet': [
                {
                    'Association': {
                        'IpOwnerId': 'string',
                        'PublicDnsName':
↪ 'string',

                        'PublicIp': 'string',
                        'PublicIpV6': 'string'
                    },
                    'Primary': True|False,
                    'PrivateDnsName': 'string',
                    'PrivateIpAddress': 'string
↪ '
                },
            ],
        },
    ],

```

```

        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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'
},
],
'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*) –

- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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',
                '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': ↪
↪ True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName':
↪ 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            }
        ]
    }
]

```

```

        },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
},
],

```

```

        '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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –

- **SubnetId** (*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
    }
    }
},
],
'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=[
        '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',
            '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': [
        {
          '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',
'KeyName': 'string',
'LaunchTime': datetime(2015, 1, 1),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1,
↪ 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': ↪
↪ True|False,

```

```

        'DeviceIndex': 123,
        'Status': 'string'
    },
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'IpAddress': 'string',
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'IpOwnerId': 'string',
                'PublicDnsName':
                    'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
},
],
'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': {

```

```

        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
    },
    'Attachment': {
        'AttachTime': datetime(2015, 1,
↪ 1),
        'AttachmentID': 'string',
        'DeleteOnTermination': ↪
↪ True|False,
        'DeviceIndex': 123,
        'Status': 'string'
    },
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        },
    ],
    'IpAddress': 'string',
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'IpOwnerId': 'string',
                'PublicDnsName':
                    'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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
        },
        'CreatedTime': datetime(2015, 1, 1),
        'DeviceIndex': 123,
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'NetworkInterfaceSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'AttachmentID': 'string',
                    'DeleteOnTermination': ↪
↪ True|False,

```

```

        'DeviceIndex': 123,
        'Status': 'string'
    },
    'CidrBlock': 'string',
    'Descriprion': 'string',
    'Description': 'string',
    'DeviceIndex': 123,
    'Dhcp': True|False,
    'DhcpOptionsId': 'string',
    'GroupSet': [
        {
            'GroupId': 'string'
        }
    ],
    'IpAddress': 'string',
    'MacAddress': 'string',
    'NetworkId': 'string',
    'NetworkInterfaceId': 'string',
    'NetworkName': 'string',
    'NiftyNetworkId': 'string',
    'NiftyNetworkName': 'string',
    'OwnerId': 'string',
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string',
    'PrivateIpAddressV6': 'string',
    'PrivateIpAddressesSet': [
        {
            'Association': {
                'IpOwnerId': 'string',
                'PublicDnsName':
                    'string',
                'PublicIp': 'string',
                'PublicIPv6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        }
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': 'string',
    'VpcId': 'string'
    },
    ],
    'NiftyRedundancy': True|False,
    'NiftyVpnGatewayDescription': 'string',
    'NiftyVpnGatewayName': 'string',
    'NiftyVpnGatewayType': 'string',
    'RouteTableAssociationId': 'string',
    'RouteTableId': 'string',
    'State': 'string',
    'TagSet': [
        {
            'Key': 'string',
            'Value': 'string'
        }
    ],
    'string',
    '

```

```
        ],
        'Type': 'string',
        'VersionInformation': {
            'IsLatest': True|False,
            'Version': 'string'
        },
        'VpnGatewayId': 'string'
    },
]
},
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –

- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Descriprion': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            }
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            }
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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*) –
      - **IpOwnerId** (*string*) –
      - **PublicDnsName** (*string*) –
      - **PublicIp** (*string*) –
      - **PublicIpV6** (*string*) –
      - **Attachment** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **AttachmentID** (*string*) –
      - **DeleteOnTermination** (*boolean*) –
      - **DeviceIndex** (*integer*) –
      - **Status** (*string*) –
      - **CidrBlock** (*string*) –
      - **Desription** (*string*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **Dhcp** (*boolean*) –
      - **DhcpOptionsId** (*string*) –
      - **GroupSet** (*list*) –
      - *(dict)* –
      - **GroupId** (*string*) –
      - **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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)
    },
  ],
  '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': [
        {
          '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'
            },
        ],
        'Monitoring': {
            'State': 'string'
        },
        'NetworkInterfaceSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Attachment': {
                    'AttachTime': datetime(2015, 1,
↪ 1),
                    'AttachmentID': 'string',
                    'DeleteOnTermination': ↵
                    'DeviceIndex': 123,
                    'Status': 'string'
                },
                'CidrBlock': 'string',
                'Description': 'string',
                'Description': 'string',
                'DeviceIndex': 123,
                'Dhcp': True|False,
                'DhcpOptionsId': 'string',
                'GroupSet': [
                    {
                        'GroupId': 'string'
                    },
                ],
                'IpAddress': 'string',
                'MacAddress': 'string',
                'NetworkId': 'string',
                'NetworkInterfaceId': 'string',
                'NetworkName': 'string',
                'NiftyNetworkId': 'string',

```

```

        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName':
                        'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
            {
                'SourceDestCheck': 'string',
                'Status': 'string',
                'SubnetId': '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'
},
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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': [
    {
      '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',
    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 ...'},
    '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': {
            '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': {
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Attachment': {
                'AttachTime': datetime(2015, 1, 1),
                'AttachmentID': 'string',
                'DeleteOnTermination': True|False,
                'DeviceIndex': 123,
                'Status': 'string'
            },
            'CidrBlock': 'string',
            'Description': 'string',
            'DeviceIndex': 123,
            'Dhcp': True|False,
            'DhcpOptionsId': 'string',
            'GroupSet': [
                {
                    'GroupId': 'string'
                }
            ],
            'IpAddress': 'string',
            'MacAddress': 'string',
            'NetworkId': 'string',
            'NetworkInterfaceId': 'string',
            'NetworkName': 'string',
            'NiftyNetworkId': 'string',
            'NiftyNetworkName': 'string',
            'OwnerId': 'string',
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string',
            'PrivateIpAddressV6': 'string',
            'PrivateIpAddressesSet': [

```

```

        {
            'Association': {
                'IpOwnerId': 'string',
                'PublicDnsName': 'string',
                'PublicIp': 'string',
                'PublicIpV6': 'string'
            },
            'Primary': True|False,
            'PrivateDnsName': 'string',
            'PrivateIpAddress': 'string'
        },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
    },
    ],
    '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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –

- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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,
        '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',
      'NetworkInterfaceSet': [
        {
          'Association': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
          },
          'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
          }
        },
      ],
      'CidrBlock': 'string',
```

```

        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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*) –
      - **IpOwnerId** (*string*) –
      - **PublicDnsName** (*string*) –
      - **PublicIp** (*string*) –
      - **PublicIpV6** (*string*) –
      - **Attachment** (*dict*) –
      - **AttachTime** (*datetime*) –
      - **AttachmentID** (*string*) –
      - **DeleteOnTermination** (*boolean*) –
      - **DeviceIndex** (*integer*) –
      - **Status** (*string*) –
      - **CidrBlock** (*string*) –
      - **Descriprion** (*string*) –
      - **Description** (*string*) –
      - **DeviceIndex** (*integer*) –
      - **Dhcp** (*boolean*) –
      - **DhcpOptionsId** (*string*) –
      - **GroupSet** (*list*) –
      - *(dict)* –
      - **GroupId** (*string*) –
      - **IpAddress** (*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*) –
      - **IpOwnerId** (*string*) –
      - **PublicDnsName** (*string*) –
      - **PublicIp** (*string*) –

- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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'  
                },  
            ],  
        },  
    ],  
}
```

```

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

```

```

        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriptrion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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(  
    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,
    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'
    },
    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',
    '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',
    ],
    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',
        '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',
        ]
    }
)
```

```

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

```

```

        'Association': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
},
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –

- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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',
        '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': [
    {
      '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',  
    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',
        ]
    },
],
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),
'Loadbalancing': [
    {
        'InstancePort': 123,
        'LoadBalancerName': 'string',
        'LoadBalancerPort': 123,
        'State': 'string'
    },
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                }
            }
        ]
    }
]
```



```

        },
        'Primary': True|False,
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string'
    },
    ],
    'SourceDestCheck': 'string',
    'Status': 'string',
    'SubnetId': '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'
    },
],
'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*) –
        - **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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –

- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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,
    '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': {
        'IpOwnerId': 'string',
        'PublicDnsName': 'string',
        'PublicIp': 'string',
        'PublicIpV6': 'string'
      },
      'Attachment': {
        'AttachTime': datetime(2015, 1, 1),
        'AttachmentID': 'string',
        'DeleteOnTermination': True|False,
        'DeviceIndex': 123,
        'Status': 'string'
      },
      'CidrBlock': 'string',
      'Description': 'string',
      'DeviceIndex': 123,

```

```

'Dhcp': True|False,
'DhcpOptionsId': 'string',
'GroupSet': [
  {
    'GroupId': 'string'
  },
],
'IpAddress': 'string',
'MacAddress': 'string',
'NetworkId': 'string',
'NetworkInterfaceId': 'string',
'NetworkName': 'string',
'NiftyNetworkId': 'string',
'NiftyNetworkName': 'string',
'OwnerId': 'string',
'PrivateDnsName': 'string',
'PrivateIpAddress': 'string',
'PrivateIpAddressV6': 'string',
'PrivateIpAddressesSet': [
  {
    'Association': {
      'IpOwnerId': 'string',
      'PublicDnsName': 'string',
      'PublicIp': 'string',
      'PublicIpV6': 'string'
    },
    'Primary': True|False,
    'PrivateDnsName': 'string',
    'PrivateIpAddress': 'string'
  },
],
'SourceDestCheck': 'string',
'Status': 'string',
'SubnetId': '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'
    },
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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',
        'LoadBalancerPort': 123,
        'State': 'string'
    }
],
'Monitoring': {
    'State': 'string'
},
'NetworkInterfaceSet': [
    {
        'Association': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'Description': 'string',

```

```

        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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'
},
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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',  
                        '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': {
            'IpOwnerId': 'string',
            'PublicDnsName': 'string',
            'PublicIp': 'string',
            'PublicIpV6': 'string'
        },
        'Attachment': {
            'AttachTime': datetime(2015, 1, 1),
            'AttachmentID': 'string',
            'DeleteOnTermination': True|False,
            'DeviceIndex': 123,
            'Status': 'string'
        },
        'CidrBlock': 'string',
        'Description': 'string',
        'DeviceIndex': 123,
        'Dhcp': True|False,
        'DhcpOptionsId': 'string',
        'GroupSet': [
            {
                'GroupId': 'string'
            },
        ],
    },
],

```

```
        'IpAddress': 'string',
        'MacAddress': 'string',
        'NetworkId': 'string',
        'NetworkInterfaceId': 'string',
        'NetworkName': 'string',
        'NiftyNetworkId': 'string',
        'NiftyNetworkName': 'string',
        'OwnerId': 'string',
        'PrivateDnsName': 'string',
        'PrivateIpAddress': 'string',
        'PrivateIpAddressV6': 'string',
        'PrivateIpAddressesSet': [
            {
                'Association': {
                    'IpOwnerId': 'string',
                    'PublicDnsName': 'string',
                    'PublicIp': 'string',
                    'PublicIpV6': 'string'
                },
                'Primary': True|False,
                'PrivateDnsName': 'string',
                'PrivateIpAddress': 'string'
            },
        ],
        'SourceDestCheck': 'string',
        'Status': 'string',
        'SubnetId': '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'
    },
],
'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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Attachment** (*dict*) –
- **AttachTime** (*datetime*) –
- **AttachmentID** (*string*) –
- **DeleteOnTermination** (*boolean*) –
- **DeviceIndex** (*integer*) –
- **Status** (*string*) –
- **CidrBlock** (*string*) –
- **Descriprion** (*string*) –
- **Description** (*string*) –
- **DeviceIndex** (*integer*) –
- **Dhcp** (*boolean*) –
- **DhcpOptionsId** (*string*) –
- **GroupSet** (*list*) –
- (*dict*) –
- **GroupId** (*string*) –
- **IpAddress** (*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*) –
- **IpOwnerId** (*string*) –
- **PublicDnsName** (*string*) –
- **PublicIp** (*string*) –
- **PublicIpV6** (*string*) –
- **Primary** (*boolean*) –
- **PrivateDnsName** (*string*) –
- **PrivateIpAddress** (*string*) –
- **SourceDestCheck** (*string*) –
- **Status** (*string*) –
- **SubnetId** (*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) –

## 1.2 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',

```

```
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',
```

```

        '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'
      },
    ],
    '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',
        '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'  
)
```

**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'
            }
          ]
        }
      ],
      '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*)

`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',
            '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'
          },
        ],
      },
    ],
    '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',
            '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',
'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',
    ],
    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'
          },
        ],
        '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': [
    {}],
]
}

```

### 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,
      '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'
    },
],
'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': [  
        {  
            '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',  
            ],  
            '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',
    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*)

**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',
    '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',
        '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={
        'RequestParameter': [
            {
                'ApplyMethod': 'string',
                'ParameterName': 'string',
                'ParameterValue': 'string'
            },
        ]
    }
)
```

#### Parameters

- **DBParameterGroupName** (*string*) –
- **Parameters** (*dict*) –
  - **RequestParameter** (*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': [
    {
        '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'
    },
],
'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': [
        {}
    ]
}

```

### 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',  
    ],  
    '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={  
        'RequestParameter': [  
            {
```

```

        'ApplyMethod': 'string',
        'ParameterName': 'string',
        'ParameterValue': 'string'
    },
]
},
ResetAllParameters=True|False
)

```

**Parameters**

- **DBParameterGroupName** (*string*) –
- **Parameters** (*dict*) –
  - **RequestParameter** (*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',
'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': {
    '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': [
      {
        '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*)

## CHAPTER 2

---

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- `search`



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