
RundeckRun Documentation

Release 0.2.2

Mark LaPerriere

November 04, 2016

1	Installation	3
2	Basic Example	5
2.1	Initialize	5
2.2	List Projects	5
2.3	List Jobs for a Project	5
2.4	Execute a Job	5
3	User Guide	7
3.1	User Guide	7
4	API	11
4.1	API	11
	Python Module Index	41

[Version 0.2.2]

This is a lightweight wrapper written in Python to interact with the Rundeck API. It uses the awesome [requests](#) library.

READ FIRST If you're new to RundeckRun and are interacting with newer versions of Rundeck ($\geq 2.1.3$), you should consider using the [command line tools included with Rundeck](#) (since at least Rundeck version 2.0.4). RundeckRun should work well for the Rundeck API up to version 11 (Rundeck $\leq 2.1.3$). It currently does not support Rundeck API versions greater than 11 for no other reason the project maintainer not having enough time to put into making the necessary changes. Pull requests welcome!

Installation

Note: Requires requests

```
$ pip install rundeckrun
```

Basic Example

2.1 Initialize

```
>>> from rundeck.client import Rundeck
>>> rd = Rundeck('rundeck.server.com', api_token='SECRET_API_TOKEN')
```

2.2 List Projects

```
>>> rd.projects()
[{'description': None,
  'name': 'TestProject',
  'resources': {'providerURL': 'http://localhost:8000/resources.xml'},
}]
```

2.3 List Jobs for a Project

```
>>> rd.jobs('TestProject')
[{'description': 'Hello World!',
  'group': None,
  'id': 'a6e1e0f7-ad32-4b93-ba2c-9387be06a146',
  'name': 'HelloWorld',
  'project': 'TestProject'}]
```

2.4 Execute a Job

```
>>> rd.job_run('HelloWorld', 'TestProject', argString={'from': 'rundeckrun'})
{'argstring': '-from rundeckrun',
  'date-started': datetime.datetime(2013, 7, 11, 18, 4, 24),
  'description': 'Plugin[localexec, nodeStep: true]',
  'href': 'http://rundeck.server.com/execution/follow/123',
  'id': '123',
  'job': None,
  'status': 'running',
  'user': 'rundeckrun'}
```

3.1 User Guide

3.1.1 Getting Started

Installation

```
pip install rundeckrun
```

“Hello World!”

```
from rundeck.client import Rundeck
rd = Rundeck(api_token='SECRET_API_TOKEN')
rd.list_projects()
```

The code above should result in a list of projects on the target Rundeck server such as this...

```
[{
  'description': None,
  'name': 'TestProject',
  'resources': {'providerURL': 'http://localhost:8000/resources.xml'},
}]
```

From this point on in the documentation, assume the `rd` variable is an instance of the *Rundeck* class.

3.1.2 Interacting with Rundeck

An instance of the *Rundeck* class is where you'll spend most with *RundeckRun*. If you want a more *raw* interface to the Rundeck API, check out the *RundeckApi* class. In this case, you'll definitely want to check out the *Rundeck API Reference*.

Server

A guide to working with the Rundeck Server.

3.1.3 Projects

Projects

A guide to working with Rundeck Projects.

Listing

```
>>> rd.list_projects()
[{'description': None,
  'name': 'TestProject',
  'resources': {'providerURL': 'http://localhost:8000/resources.xml'},
}]
```

3.1.4 Jobs

Jobs

A guide to working with Rundeck Jobs.

Listing

```
>>> rd.list_jobs('TestProject')
[{'description': 'Hello World!',
  'group': None,
  'id': 'a6e1e0f7-ad32-4b93-ba2c-9387be06a146',
  'name': 'HelloWorld',
  'project': 'TestProject'}]
```

Run a Job

```
>>> rd.run_job('a6e1e0f7-ad32-4b93-ba2c-9387be06a146', argString={'from': 'RundeckRun'})
{'argstring': '-from RundeckRun',
 'date-started': datetime.datetime(2013, 7, 11, 18, 4, 24),
 'description': 'Plugin[localexec, nodeStep: true]',
 'href': 'http://rundeck.server.com/execution/follow/123',
 'id': '123',
 'job': None,
 'status': 'running',
 'user': 'rundeckrun'}
```

A Note on argString Ensure the argString arguments' values are using the defined delimiter for any option that is designated as Multi-valued.

Example: For a job Multi-valued job option with a , (comma) delimiter use the following argString:

```
argString={'recipients': 'admin@example.com, support@example.com' }
```

Note: If you choose a space as your delimiter, you'll have to double quote the value like so:
`argString={'recipients':' "admin@example.com support@example.com" '}`

Export All Jobs

```
>>> print(rd.jobs_export('TestProject', fmt='yaml'))
- id: cb973e3a-e682-4b45-9dbe-9e5301a4361e
project: TestProject
loglevel: INFO
sequence:
  keepgoing: false
  strategy: node-first
  commands:
  - type: localexec
    nodeStep: true
    configuration:
      command: echo "Hello World!"
description: ''
name: TestJob
uuid: cb973e3a-e682-4b45-9dbe-9e5301a4361e
group: RundeckRun/Tests
```

3.1.5 Resources

Resources

A guide to working with Rundeck Project Resources.

3.1.6 Importing and Exporting

Importing and Exporting

A guide to exporting and importing Rundeck objects.

4.1 API

4.1.1 rundeck

summary rundeckrun package

license Apache License, Version 2.0

author Mark LaPerriere

contact rundeckrun@mindmind.com

copyright Mark LaPerriere 2015

4.1.2 rundeck.api

summary Direct interaction with Rundeck server API

license Apache License, Version 2.0

author Mark LaPerriere

contact rundeckrun@mindmind.com

copyright Mark LaPerriere 2015

class `rundeck.api.RundeckApi` (*server='localhost', protocol='http', port=4440, api_token=None, **kwargs*)

Same as `RundeckApiTolerant` and complains on every Rundeck Server error or 4xx/5xx HTTP status code.

class `rundeck.api.RundeckApiTolerant` (*server='localhost', protocol='http', port=4440, api_token=None, **kwargs*)

As close to the Rundeck API as possible. The “Tolerant” class does not throw exceptions when HTTP status codes are returned. Probably don’t want/need to use this.

IVariables

connection [*RundeckConnection*] a *RundeckConnection* instance

__init__ (*server='localhost', protocol='http', port=4440, api_token=None, **kwargs*)

Initialize a Rundeck API instance

Parameters

server [str] hostname of the Rundeck server (default: localhost)

protocol [str ('http'|'https')] (default: 'http')

port [int] Rundeck server port (default: 4440)

api_token [str] valid Rundeck user API token

Keywords

base_path [str] Custom base URL path for Rundeck server URLs [default: None]

usr [str] Rundeck user name (used in place of api_token)

pwd [str] Rundeck user password (used in combo with usr)

api_version [int] Rundeck API version

connection [*RundeckConnection*] an instance of a *RundeckConnection* or instance of a subclass of *RundeckConnection*

delete_job (*job_id*, ***kwargs*)

Wraps [Rundeck API DELETE /job/\[ID\]](#)

Parameters

job_id [str] Rundeck Job ID

Returns A Requests response

Return type requests.models.Response

execution (*execution_id*, ***kwargs*)

Wraps [Rundeck API GET /execution/\[ID\]](#)

Parameters

execution_id [str] Rundeck Job Execution ID

Returns A *RundeckResponse*

Return type *RundeckResponse*

execution_abort (*execution_id*, ***kwargs*)

Wraps [Rundeck API GET /execution/\[ID\]/output](#)

Parameters

execution_id [str] Rundeck Job Execution ID

Keywords

asUser [str] specifies a username identifying the user who aborted the execution

Returns A Requests response

Return type requests.models.Response

execution_output (*execution_id*, ***kwargs*)

Wraps [Rundeck API GET /execution/\[ID\]/output](#)

Parameters

execution_id [str] Rundeck Job Execution ID

Keywords

fmt [str] the format of the response one of *ExecutionOutputFormat* values (default: 'text')

offset [int] byte offset to read from in the file, 0 indicates the beginning

lastlines [int] number of lines to retrieve from the end of the available output, overrides offset

lastmod [int] a unix millisecond timestamp; return output data received after this timestamp

maxlines [int] maximum number of lines to retrieve forward from the specified offset

Returns A Requests response

Return type requests.models.Response

executions (*project*, ***kwargs*)

Wraps [Rundeck API GET /executions](#)

Parameters

project [str] name of the project

Keywords

statusFilter [str] one of *Status* values

abortedbyFilter [str] user name that aborted the execution

userFilter [str] user name that initiated the execution

recentFilter | **str** Use a simple text format to filter executions that completed within a period of time; the format is “XY” where ‘X’ is an integer and ‘Y’ is one of:

- *h*:hour
- *d*:day
- *w*:week
- *m*:month
- *y*:year

So a value of “2w” would return executions that completed within the last two weeks

begin [int | str] either a unix millisecond timestamp or a W3C dateTime “yyyy-MM-ddTHH:mm:ssZ”

end [int | str] either a unix millisecond timestamp or a W3C dateTime “yyyy-MM-ddTHH:mm:ssZ”

adhoc [bool] includes adhoc executions

jobIdListFilter [str | list] one or more job ids to include

excludeJobIdListFilter [str | list] one or more job ids to exclude

jobListFilter [str | list] one or more full job group/name to include

excludeJobListFilter [str | list] one or more full job group/name to include

groupPath [str] a group or partial group path to include, special “-” setting matches top level jobs only

groupPathExact [str] an exact group path to include, special “-” setting matches top level jobs only

excludeGroupPath [str] a group or partial group path to exclude, special “-” setting matches top level jobs only

excludeGroupPathExact [str] an exact group path to exclude, special “-” setting matches top level jobs only

jobExactFilter [str] an exact job name
excludeJobExactFilter [str] an exact job name to exclude
max [int] maximum number of results to include in response (default: 20)
offset [int] offset for result set (default: 0)

Returns A *RundeckResponse*

Return type *RundeckResponse*

executions_running (*project*, ***kwargs*)

Wraps [Rundeck API GET /executions/running](#)

Parameters

project [str] the name of a project

Returns A *RundeckResponse*

Return type *RundeckResponse*

history (*project*, ***kwargs*)

Wraps [Rundeck API GET /history](#)

Parameters

project [str] name of the project

Keywords

jobIdFilter [str] include event for a job ID
reportIdFilter [str] include events for an event name
userFilter [str] include events created by user
statFilter [str] one of *Status* values
jobListFilter [str | list] one or more full job group/name to include
excludeJobListFilter [str | list] one or more full job group/name to include
recentFilter | **str** Use a simple text format to filter executions that completed within a period of time; the format is “XY” where ‘X’ is an integer and ‘Y’ is one of:

- *h*:hour
- *d*:day
- *w*:week
- *m*:month
- *y*:year

So a value of “2w” would return executions that completed within the last two weeks

begin [int | str] either a unix millisecond timestamp or a W3C dateTime “yyyy-MM-ddTHH:mm:ssZ”

end [int | str] either a unix millisecond timestamp or a W3C dateTime “yyyy-MM-ddTHH:mm:ssZ”

max [int] maximum number of results to include in response (default: 20)

offset [int] offset for result set (default: 0)

Returns A *RundeckResponse*

Return type *RundeckResponse*

job (*job_id*, ***kwargs*)

Wraps [Rundeck API GET /job/\[ID\]](#)

Parameters

job_id [str] Rundeck Job ID

Keywords

fmt [str] the format of the response one of *JobDefFormat* values (default: 'xml')

Returns A Requests response

Return type requests.models.Response

job_executions (*job_id*, ***kwargs*)

Wraps [Rundeck API GET /job/\[ID\]/executions](#)

Parameters

job_id [str] a Job ID

Keywords

status [str] one of *Status* values

max [int] maximum number of results to include in response (default: 20)

offset [int] offset for result set (default: 0)

Returns A *RundeckResponse*

Return type *RundeckResponse*

job_run (*job_id*, ***kwargs*)

Wraps [Rundeck API GET /job/\[ID\]/run](#)

Parameters

job_id [str] Rundeck Job ID

Keywords

argString [str | dict] argument string to pass to job - if str, will be passed as-is else if dict will be converted to compatible string

loglevel [str('DEBUG', 'VERBOSE', 'INFO', 'WARN', 'ERROR')] logging level (default: 'INFO')

asUser [str] user to run the job as

exclude-precedence [bool] set the exclusion precedence (default True)

hostname [str] hostname inclusion filter

tags [str] tags inclusion filter

os-name [str] os-name inclusion filter

os-family [str] os-family inclusion filter

os-arch [str] os-arch inclusion filter

os-version [str] os-version inclusion filter

name [str] name inclusion filter

exlude-hostname [str] hostname exclusion filter

exclude-tags [str] tags exclusion filter
exclude-os-name [str] os-name exclusion filter
exclude-os-family [str] os-family exclusion filter
exclude-os-arch [str] os-arch exclusion filter
exclude-os-version [str] os-version exclusion filter
exclude-name [str] name exclusion filter

Returns A *RundeckResponse*

Return type *RundeckResponse*

jobs (*project*, ***kwargs*)

Wraps [Rundeck API GET /jobs](#)

Parameters

project [str] the name of a project

Keywords

idlist [str | list(str, ...)] specify a comma-separated string or a list of Job IDs to include
groupPath [str] specify a group or partial group path to include all jobs within that group path or "*" for all groups or "-" to match top level jobs only (default: "*")
jobFilter [str] specify a job name filter; will match any job name that contains this string
jobExactFilter [str] specify an exact job name to match
groupPathExact [str] specify an exact group path to match or "-" to match the top level jobs only

Returns A *RundeckResponse*

Return type *RundeckResponse*

jobs_delete (*idlist*, ***kwargs*)

Wraps [Rundeck API POST /jobs/delete](#)

Parameters

ids [str | list(str, ...)] a list of job ids or a string of comma separated job ids to delete

Returns A *RundeckResponse*

Return type *RundeckResponse*

jobs_export (*project*, ***kwargs*)

Wraps [Rundeck API GET /jobs/export](#)

Parameters

name [str] name of the project

Keywords

fmt [str ('xml'|'yaml')] format of the definition string (default: 'xml')
idlist [list(str, ...)] a list of job ids to return
groupPath [str] a group path, partial group path or the special top level only char '-'
jobFilter: str find job names that include this string

Returns A Requests response

Return type requests.models.Response

jobs_import (*definition*, ***kwargs*)

Wraps [Rundeck API POST /jobs/import](#)

Parameters

definition [str] a string representing a job definition

Keywords

fmt [str ('xml'|'yaml')] format of the definition string (default: 'xml')

dupeOption [str ('skip'|'create'|'update')] a value to indicate the behavior when importing jobs which already exist (default: 'create')

project [str] specify the project that all job definitions should be imported to otherwise all job definitions must define a project

uuidOption [str ('preserve'|'remove')] preserve or remove UUIDs in imported jobs - preserve may fail if a UUID already exists

Returns A *RundeckResponse*

Return type *RundeckResponse*

project (*project*, ***kwargs*)

Wraps [Rundeck API /project/\[NAME\]](#)

Parameters

project [str] name of Project

Keywords

create [bool] Create the project if it is not found (requires API version >11) [default: True for API version >11 else False]

Returns A *RundeckResponse* `

Return type *RundeckResponse*

project_jobs (*project*, ***kwargs*)

Simulates [Rundeck API GET /project/\[NAME\]/jobs](#)

Note: Can't find any difference between this and `/jobs`, so this method is just a synonym for the `jobs` method

Parameters

project [str] name of the project

Keywords

idlist [list(str, ...)] a list of job ids to return

groupPath [str] a group path, partial group path or the special top level only char '-'

jobFilter: str find job names that include this string

jobExactFilter [str] a specific job name to return

groupPathExact [str] a exact group path to match or the special top level only char '-'

Returns A *RundeckResponse*

Return type *RundeckResponse*

project_resources (*project*, ***kwargs*)

Wraps [Rundeck API GET /project/\[NAME\]/resources](#)

Parameters

project [str] name of the project

Keywords

fmt [str] the format of the response one of *ExecutionOutputFormat* values (default: 'text')

hostname [str] hostname inclusion filter

tags [str] tags inclusion filter

os-name [str] os-name inclusion filter

os-family [str] os-family inclusion filter

os-arch [str] os-arch inclusion filter

os-version [str] os-version inclusion filter

name [str] name inclusion filter

exclude-hostname [str] hostname exclusion filter

exclude-tags [str] tags exclusion filter

exclude-os-name [str] os-name exclusion filter

exclude-os-family [str] os-family exclusion filter

exclude-os-arch [str] os-arch exclusion filter

exclude-os-version [str] os-version exclusion filter

exclude-name [str] name exclusion filter

Returns A *RundeckResponse*

Return type *RundeckResponse*

project_resources_refresh (*project*, *providerURL=None*, ***kwargs*)

Wraps [Rundeck API POST /project/\[NAME\]/resources/refresh](#)

Parameters

project [str] name of the project

providerURL [str] Specify the Resource Model Provider URL to refresh the resources from; otherwise the configured provider URL in the *project.properties* file will be used

Returns A *RundeckResponse*

Return type *RundeckResponse*

project_resources_update (*project*, *nodes*, ***kwargs*)

Wraps [Rundeck API POST /project/\[NAME\]/resources](#)

Parameters

project [str] name of the project

nodes [list(*RundeckNode*, ...)] a list of *RundeckNode* objects

Returns A *RundeckResponse*

Return type *RundeckResponse*

projects (*method='get', **kwargs*)

An interface to the Rundeck *projects* API endpoint support

Parameters

method [str] GET will retrieve a project, POST will create a project

Returns A *RundeckResponse*

Return type *RundeckResponse*

run_command (*project, command, **kwargs*)

Wraps [Rundeck API GET /run/command](#)

Parameters

project [str] name of the project

command [str] the shell command string to run

Keywords

nodeThreadcount [int] the number of threads to use

nodeKeepgoing [bool] if True, continue executing on other nodes even if some fail

asUser [str] specifies a username identifying the user who ran the command; requires runAs permission

hostname [str] hostname inclusion filter

tags [str] tags inclusion filter

os-name [str] os-name inclusion filter

os-family [str] os-family inclusion filter

os-arch [str] os-arch inclusion filter

os-version [str] os-version inclusion filter

name [str] name inclusion filter

exclude-hostname [str] hostname exclusion filter

exclude-tags [str] tags exclusion filter

exclude-os-name [str] os-name exclusion filter

exclude-os-family [str] os-family exclusion filter

exclude-os-arch [str] os-arch exclusion filter

exclude-os-version [str] os-version exclusion filter

exclude-name [str] name exclusion filter

Returns A *RundeckResponse*

Return type *RundeckResponse*

run_script (*project, scriptFile, **kwargs*)

Wraps [Rundeck API POST /run/script](#)

Parameters

project [str] name of the project

scriptFile [str] a string containing the script file content

Keywords

- argString** [str | dict] argument string to pass to job - if str, will be passed as-is else if dict will be converted to compatible string
- nodeThreadcount** [int] the number of threads to use
- nodeKeepgoing** [bool] if True, continue executing on other nodes even if some fail
- asUser** [str] specifies a username identifying the user who ran the command; requires runAs permission
- scriptInterpreter** [str] a command to use to run the script (requires API version 8 or higher)
- interpreterArgsQuoted** [bool] if True the script file and arguments will be quoted as the last argument to the scriptInterpreter (requires API version 8 or higher)
- hostname** [str] hostname inclusion filter
- tags** [str] tags inclusion filter
- os-name** [str] os-name inclusion filter
- os-family** [str] os-family inclusion filter
- os-arch** [str] os-arch inclusion filter
- os-version** [str] os-version inclusion filter
- name** [str] name inclusion filter
- exclude-hostname** [str] hostname exclusion filter
- exclude-tags** [str] tags exclusion filter
- exclude-os-name** [str] os-name exclusion filter
- exclude-os-family** [str] os-family exclusion filter
- exclude-os-arch** [str] os-arch exclusion filter
- exclude-os-version** [str] os-version exclusion filter
- exclude-name** [str] name exclusion filter

Returns A *RundeckResponse*

Return type *RundeckResponse*

run_url (*project*, *scriptURL*, ***kwargs*)

Wraps [Rundeck API POST /run/url](#) Requires API version >4

Parameters

- project** [str] name of the project
- scriptURL** [str] a URL referencing a script to download and run

Keywords

- argString** [str | dict] argument string to pass to job - if str, will be passed as-is else if dict will be converted to compatible string
- nodeThreadcount** [int] the number of threads to use
- nodeKeepgoing** [bool] if True, continue executing on other nodes even if some fail
- asUser** [str] specifies a username identifying the user who ran the command; requires runAs permission

scriptInterpreter [str] a command to use to run the script (requires API version 8 or higher)

interpreterArgsQuoted [bool] if True the script file and arguments will be quoted as the last argument to the scriptInterpreter (requires API version 8 or higher)

hostname [str] hostname inclusion filter

tags [str] tags inclusion filter

os-name [str] os-name inclusion filter

os-family [str] os-family inclusion filter

os-arch [str] os-arch inclusion filter

os-version [str] os-version inclusion filter

name [str] name inclusion filter

exclude-hostname [str] hostname exclusion filter

exclude-tags [str] tags exclusion filter

exclude-os-name [str] os-name exclusion filter

exclude-os-family [str] os-family exclusion filter

exclude-os-arch [str] os-arch exclusion filter

exclude-os-version [str] os-version exclusion filter

exclude-name [str] name exclusion filter

Returns A *RundeckResponse*

Return type *RundeckResponse*

system_info (**kwargs)

Wraps [Rundeck API GET /system/info](#)

Returns A *RundeckResponse*

Return type *RundeckResponse*

class `rundeck.api.RundeckNode` (*name, hostname, username, **kwargs*)

Represents a Rundeck node; mainly for serializing to XML

IVariables

name [str] name of the node

hostname [str] hostname of the node

username [str] username used for the remote connection

description [str] node description

osArch [str] the node's operating system architecture

osFamily [str] the node's operating system system family

osName [str] the node's operating system name

tags [list(str, ...)] a list of filtering tags

editUrl [str] URL to an external resource model editor service

remoteUrl [str] URL to an external resource model service

attributes [dict] a dictionary of name/value pairs to be used as node attributes

`__init__` (*name, hostname, username, **kwargs*)
Initialize a RundeckNode instance

Parameters

name [str] name of the node
hostname [str] hostname of the node
username [str] username used for the remote connection

Keywords

description [str] node description
osArch [str] the node's operating system architecture
osFamily [str] the node's operating system system family
osName [str] the node's operating system name
tags [list(str, ...)] a list of filtering tags
editUrl [str] URL to an external resource model editor service
remoteUrl [str] URL to an external resource model service
attributes [dict] a dictionary of name/value pairs to be used as node attributes

serialize ()
serializes the instance to XML

Return type str

Returns an XML string

xml

`rundeck.api.api_version_check` (*api_version, required_version*)
Raises a NotImplementedError if the api_version of the connection isn't sufficient

4.1.3 rundeck.client

summary Python client for interacting with Rundeck API

license Apache License, Version 2.0

author Mark LaPerriere

contact rundeckrun@mindmind.com

copyright Mark LaPerriere 2015

class `rundeck.client.Rundeck` (*server='localhost', protocol='http', port=4440, api_token=None, **kwargs*)

`__init__` (*server='localhost', protocol='http', port=4440, api_token=None, **kwargs*)
Initialize a Rundeck API Client

Parameters

server [str] hostname of the Rundeck server (default: localhost)
protocol [str ('http'|'https')] (default: 'http')
port [int] Rundeck server port (default: 4440)

api_token [str] valid Rundeck user API token

Keywords

base_path [str] Custom base URL path for Rundeck server URLs [default: None]

usr [str] Rundeck user name (used in place of api_token)

pwd [str] Rundeck user password (used in combo with usr)

api_version [int] Rundeck API version

api [RundeckApi] an instance of a RundeckApi or subclass of RundeckApi

connection [RundeckConnection] an instance of a RundeckConnection or instance of a subclass of RundeckConnection

abort_execution (**args, **kwargs*)

Abort a running Job Execution

Parameters

execution_id [str] Rundeck Job Execution ID

Keywords

asUser [str] specifies a username identifying the user who aborted the execution

Returns abort status information

Return type dict

create_project (**args, **kwargs*)

Create a project Requires API version >11

Parameters

project [str] name of the project

Keywords

config [dict] a dictionary of key/value pairs for the project config

Returns detailed information about a project

Return type dict

delete_job (*job_id, **kwargs*)

Delete a job

Parameters

job_id [str] Rundeck Job ID

Returns success

Return type bool

delete_jobs (*idlist, **kwargs*)

Bulk Job delete

Parameters

idlist [str | list(str, ...)] a list of job ids or a string of comma separated job ids to delete

Returns results of the bulk delete with details

Return type dict

Example Response:

```
{
  'requestCount': 3,
  'allsuccessful': False,
  'succeeded': {
    'id': '1234-123-123-12345',
    'message': 'success',
  },
  'failed': {
    'id': '9876-986-987-98765',
    'message': 'Job ID 9876-986-987-98765 does not exist',
  },
}
```

execution_status (*args, **kwargs)

Get the status of an execution

Parameters

execution_id [int] Rundeck Job Execution ID

Returns an Execution

Return type dict

export_job (job_id, **kwargs)

Export a job definition in XML or YAML format

Parameters

job_id [str] Rundeck Job ID

Keywords

fmt [str] the format of the response one of JobDefFormat.values (default: 'xml')

Returns a Job definition

Return type str

get_execution_output (execution_id, **kwargs)

Get the output for an execution in various formats

Parameters

execution_id [str] Rundeck Job Execution ID

Keywords

fmt [str] the format of the response one of ExecutionOutputFormat.values (default: 'json')

raw [bool] return the results of the Execution output request unmodified (default: False)

offset [int] byte offset to read from in the file, 0 indicates the beginning

lastlines [int] number of lines to retrieve from the end of the available output, overrides offset

lastmod [int] a unix millisecond timestamp; return output data received after this timestamp

maxlines [int] maximum number of lines to retrieve forward from the specified offset

Returns Execution output

Return type str | dict | RundeckResponse

`get_job_id` (*project*, *name=None*, ***kwargs*)

Fetch a Job ID that matches the filter criteria specified

WARNING: if there is more than one job that matches the specified criteria, this will return the first job that Rundeck server includes in the list of matches

Parameters

project [str] the name of a project

Keywords

idlist [str | list(str, ...)] specify a comma-separated string or a list of Job IDs to include

groupPath [str] specify a group or partial group path to include all jobs within that group path or "*" for all groups or "-" to match top level jobs only (default: "*")

jobFilter [str] specify a job name filter; will match any job name that contains this string

jobExactFilter [str] specify an exact job name to match

groupPathExact [str] specify an exact group path to match or "-" to match the top level jobs only

Returns a Rundeck Job ID

Return type str

`get_job_ids` (*project*, ***kwargs*)

Fetch a list of Job IDs that match the filter criteria specified

Parameters

project [str] the name of a project

Keywords

limit [int] limit the result set to 1 or more jobs

idlist [str | list(str, ...)] specify a comma-separated string or a list of Job IDs to include

groupPath [str] specify a group or partial group path to include all jobs within that group path or "*" for all groups or "-" to match top level jobs only (default: "*")

jobFilter [str] specify a job name filter; will match any job name that contains this string

jobExactFilter [str] specify an exact job name to match

groupPathExact [str] specify an exact group path to match or "-" to match the top level jobs only

Returns a list of Job IDs

Return type list

`get_project` (**args*, ***kwargs*)

Fetch a project details

Parameters

project [str] the name of a project

Returns detailed information about a project

Return type dict

get_project_history (*args, **kwargs)

List history events for a project

Parameters

project [str] name of the project

Keywords

jobIdFilter [str] include event for a job ID

reportIdFilter [str] include events for an event name

userFilter [str] include events created by user

statFilter [str] one of Status.values

jobListFilter [str | list] one or more full job group/name to include

excludeJobListFilter [str | list] one or more full job group/name to include

recentFilter | **str** Use a simple text format to filter executions that completed within a period of time; the format is “XY” where ‘X’ is an integer and ‘Y’ is one of:

- *h*:hour
- *d*:day
- *w*:week
- *m*:month
- *y*:year

So a value of “2w” would return executions that completed within the last two weeks

begin [int | str] either a unix millisecond timestamp or a W3C dateTime “yyyy-MM-ddTHH:mm:ssZ”

end [int | str] either a unix millisecond timestamp or a W3C dateTime “yyyy-MM-ddTHH:mm:ssZ”

max [int] maximum number of results to include in response (default: 20)

offset [int] offset for result set (default: 0)

Returns A RundeckResponse

Return type *RundeckResponse*

import_job (*args, **kwargs)

Import a job definition string in XML or YAML format

Parameters

definition [str] a string representing a job definition

Keywords

fmt [str (‘xml’|‘yaml’)] format of the definition string (default: ‘xml’)

dupeOption [str (‘skip’|‘create’|‘update’)] a value to indicate the behavior when importing jobs which already exist (default: ‘create’)

project [str] specify the project that all job definitions should be imported to otherwise all job definitions must define a project

uuidOption [str (‘preserve’|‘remove’)] preserve or remove UUIDs in imported jobs - preserve may fail if a UUID already exists

Returns the results of the job import

Return type dict

import_job_file (*file_path*, ***kwargs*)

Read in the contents of a job definition file for import

Parameters

file_path [str] the path to a readable job definition file

Keywords

file_format [str ('xml'|'yaml')] if not specified it will be derived from the file extension (default: 'xml')

Raises **IOError** – raised if job definition file can not be found or is not readable

Returns a dict object representing a set of Rundeck status messages

Return type dict

jobs_export (*project*, ***kwargs*)

Export a the job definitions for a project in XML or YAML format

Parameters

name [str] name of the project

Keywords

fmt [str ('xml'|'yaml')] format of the definition string (default: 'xml')

idlist [list(str, ...)] a list of job ids to return

groupPath [str] a group path, partial group path or the special top level only char '-'

jobFilter: str find job names that include this string

Returns a job definition

Return type str

list_job_executions (**args*, ***kwargs*)

Get a list of executions of a Job

Parameters

job [str] A Job ID

Keywords

status [str] one of Status.values

max [int] maximum number of results to include in response (default: 20)

offset [int] offset for result set (default: 0)

Returns a list of Job Executions

Return type list(dict, ...)

list_jobs (**args*, ***kwargs*)

Fetch a listing of jobs for a project

Parameters

project [str] the name of a project

Keywords

limit [int] limit the result set to 1 or more jobs

idlist [str | list(str, ...)] specify a comma-separated string or a list of Job IDs to include

groupPath [str] specify a group or partial group path to include all jobs within that group path or "*" for all groups or "-" to match top level jobs only (default: "*")

jobFilter [str] specify a job name filter; will match any job name that contains this string

jobExactFilter [str] specify an exact job name to match

groupPathExact [str] specify an exact group path to match or "-" to match the top level jobs only

Returns a list of Jobs

Return type list(dict, ...)

list_project_resources (*project*, ***kwargs*)

Retrieve the list of resources for a project. If *fmt* is unspecified, a python dictionary will be returned

Parameters

project [str] name of the project

Keywords

fmt [str]

the format of the response, either 'python' (dict), 'xml' or 'yaml' (default: 'python')

hostname [str] hostname inclusion filter

tags [str] tags inclusion filter

os-name [str] os-name inclusion filter

os-family [str] os-family inclusion filter

os-arch [str] os-arch inclusion filter

os-version [str] os-version inclusion filter

name [str] name inclusion filter

exclude-hostname [str] hostname exclusion filter

exclude-tags [str] tags exclusion filter

exclude-os-name [str] os-name exclusion filter

exclude-os-family [str] os-family exclusion filter

exclude-os-arch [str] os-arch exclusion filter

exclude-os-version [str] os-version exclusion filter

exclude-name [str] name exclusion filter

Returns A list of resources or a string representing the requested resources in the requested format

Return type list({'name': str, 'hostname': str, 'username': str}) | str

list_projects (**args*, ***kwargs*)

Get a list of projects

Returns a list of Rundeck projects

Return type list(dict, ...)

list_running_executions (**args, **kwargs*)

Retrieve running executions

Parameters

project [str] the name of a project (use “*” for all projects - API v9+ required)

Returns a list of Job Executions

Return type list(dict, ...)

query_executions (**args, **kwargs*)

Execution query

Parameters

project [str] name of the project

Keywords

statusFilter [str] one of Status.values

abortedbyFilter [str] user name that aborted the execution

userFilter [str] user name that initiated the execution

recentFilter | **str** Use a simple text format to filter executions that completed within a period of time; the format is “XY” where ‘X’ is an integer and ‘Y’ is one of:

- *h*:hour
- *d*:day
- *w*:week
- *m*:month
- *y*:year

So a value of “2w” would return executions that completed within the last two weeks

begin [int | str] either a unix millisecond timestamp or a W3C dateTime “yyyy-MM-ddTHH:mm:ssZ”

end [int | str] either a unix millisecond timestamp or a W3C dateTime “yyyy-MM-ddTHH:mm:ssZ”

adhoc [bool] includes adhoc executions

jobIdListFilter [str | list] one or more job ids to include

excludeJobIdListFilter [str | list] one or more job ids to exclude

jobListFilter [str | list] one or more full job group/name to include

excludeJobListFilter [str | list] one or more full job group/name to include

groupPath [str] a group or partial group path to include, special “-” setting matches top level jobs only

groupPathExact [str] an exact group path to include, special “-” setting matches top level jobs only

excludeGroupPath [str] a group or partial group path to exclude, special “-” setting matches top level jobs only

excludeGroupPathExact [str] an exact group path to exclude, special “-” setting matches top level jobs only

jobExactFilter [str] an exact job name
excludeJobExactFilter [str] an exact job name to exclude
max [int] maximum number of results to include in response (default: 20)
offset [int] offset for result set (default: 0)

Returns a list of Job Executions

Return type list(dict, ...)

refresh_project_resources (*args, **kwargs)

Refresh the resources for a project via its Resource Model Provider URL

Parameters

project [str] name of the project
providerURL [str] Specify the Resource Model Provider URL to refresh the resources from; otherwise the configured provider URL in the *project.properties* file will be used

Returns success message

Return type dict

run_adhoc_command (*args, **kwargs)

Run a command

Parameters

project [str] name of the project
command [str] the shell command string to run

Keywords

nodeThreadcount [int] the number of threads to use
nodeKeeping [bool] if True, continue executing on other nodes even if some fail
asUser [str] specifies a username identifying the user who ran the command; requires runAs permission
hostname [str] hostname inclusion filter
tags [str] tags inclusion filter
os-name [str] os-name inclusion filter
os-family [str] os-family inclusion filter
os-arch [str] os-arch inclusion filter
os-version [str] os-version inclusion filter
name [str] name inclusion filter
exclude-hostname [str] hostname exclusion filter
exclude-tags [str] tags exclusion filter
exclude-os-name [str] os-name exclusion filter
exclude-os-family [str] os-family exclusion filter
exclude-os-arch [str] os-arch exclusion filter
exclude-os-version [str] os-version exclusion filter

exclude-name [str] name exclusion filter

Returns Execution ID

Return type int

run_adhoc_script (*args, **kwargs)

Run a script downloaded from a URL

Parameters

project [str] name of the project

scriptFile [str] a string containing the script file content

Keywords

argString [str | dict] argument string to pass to job - if str, will be passed as-is else if dict will be converted to compatible string

nodeThreadcount [int] the number of threads to use

nodeKeepinggoing [bool] if True, continue executing on other nodes even if some fail

asUser [str] specifies a username identifying the user who ran the command; requires runAs permission

scriptInterpreter [str] a command to use to run the script (requires API version 8 or higher)

interpreterArgsQuoted [bool] if True the script file and arguments will be quoted as the last argument to the scriptInterpreter (requires API version 8 or higher)

hostname [str] hostname inclusion filter

tags [str] tags inclusion filter

os-name [str] os-name inclusion filter

os-family [str] os-family inclusion filter

os-arch [str] os-arch inclusion filter

os-version [str] os-version inclusion filter

name [str] name inclusion filter

exclude-hostname [str] hostname exclusion filter

exclude-tags [str] tags exclusion filter

exclude-os-name [str] os-name exclusion filter

exclude-os-family [str] os-family exclusion filter

exclude-os-arch [str] os-arch exclusion filter

exclude-os-version [str] os-version exclusion filter

exclude-name [str] name exclusion filter

Returns Execution ID

Return type int

run_adhoc_url (*args, **kwargs)

Run a script downloaded from a URL

Parameters

project [str] name of the project

scriptUrl [str] a URL referencing a script to download and run

Keywords

argString [str | dict] argument string to pass to job - if str, will be passed as-is else if dict will be converted to compatible string

nodeThreadcount [int] the number of threads to use

nodeKeepinggoing [bool] if True, continue executing on other nodes even if some fail

asUser [str] specifies a username identifying the user who ran the command; requires runAs permission

scriptInterpreter [str] a command to use to run the script (requires API version 8 or higher)

interpreterArgsQuoted [bool] if True the script file and arguments will be quoted as the last argument to the scriptInterpreter (requires API version 8 or higher)

hostname [str] hostname inclusion filter

tags [str] tags inclusion filter

os-name [str] os-name inclusion filter

os-family [str] os-family inclusion filter

os-arch [str] os-arch inclusion filter

os-version [str] os-version inclusion filter

name [str] name inclusion filter

exclude-hostname [str] hostname exclusion filter

exclude-tags [str] tags exclusion filter

exclude-os-name [str] os-name exclusion filter

exclude-os-family [str] os-family exclusion filter

exclude-os-arch [str] os-arch exclusion filter

exclude-os-version [str] os-version exclusion filter

exclude-name [str] name exclusion filter

Returns Execution ID

Return type int

run_job (*job_id*, ***kwargs*)

Wraps job_run method and implements a blocking mechanism to wait for the job to complete (within reason, i.e. timeout and interval)

See `Rundeck.job_run` docstring for additional keyword args

Parameters

job_id [str] Rundeck Job ID

Keywords

timeout [int | float] how many seconds to wait for a completed status (default: 60)

interval [int | float] how many seconds to sleep between polling cycles (default: 3)

Returns Details about the Job Execution

Return type dict

system_info (*args, **kwargs)

Get Rundeck Server System Info

Returns a dict object representing the Rundeck system information

Return type dict

update_project_resources (*args, **kwargs)

Update the resources for a project

Parameters

project [str] name of the project

nodes [list] a list of nodes in the form of a three tuple ((*name, hostname, username*)) or a dictionary at least the following keys 'name', 'hostname' and 'username'

Returns success message

Return type dict

`rundeck.client.is_job_id(job_id)`

Checks if a Job ID “looks” like a UUID. It does not check if it exists as a job in Rundeck. And of course, a Rundeck Job ID does not have to be a “UUID”. Any unique string will do so be prepared for false negatives if you customize your job ids.

Parameters

job_id [str] a Rundeck Job ID

Return type bool

4.1.4 rundeck.connection

summary Connection object for Rundeck client

license Apache License, Version 2.0

author Mark LaPerriere

contact rundeckrun@mindmind.com

copyright Mark LaPerriere 2015

requires requests

class `rundeck.connection.RundeckConnection` (*server='localhost', protocol='http', port=4440, api_token=None, **kwargs*)

request (*method, url, params=None, headers=None, data=None, files=None, quiet=False*)

Override to call `raise_for_status` forcing non-successful HTTP responses to bubble up as as exceptions

Parameters

method [str] the HTTP request method

url [str] API URL

params [dict({str: str, ...})] a dict of query string params (default: None)

data [str] the url encoded payload necessary for some commands (default: None)

files [dict({str: str, ...})] a dict of files to upload (default: None)

quiet [bool] suppress calling raise_for_status (default: False)

Return type requests.Response

class rundeck.connection.**RundeckConnectionTolerant** (*server='localhost', protocol='http', port=4440, api_token=None, **kwargs*)

__init__ (*server='localhost', protocol='http', port=4440, api_token=None, **kwargs*)
 Initialize a Rundeck API client connection

Parameters

server [str] hostname of the Rundeck server (default: localhost)

protocol [str] either http or https (default: 'http')

port [int] Rundeck server port (default: 4440)

api_token [str] ***Preferred method of authentication* - valid Rundeck user API token (default: None)

Keywords

base_path [str] Custom base URL path for Rundeck server URLs [default: None]

usr [str] Rundeck user name (used in place of api_token)

pwd [str] Rundeck user password (used in combo with usr)

api_version [int] Rundeck API version

verify_cert [bool] Server certificate verification (HTTPS only)

call (*method, url, params=None, headers=None, data=None, files=None, parse_response=True, **kwargs*)

Format the URL in preparation for making the HTTP request and return a RundeckResponse if requested/necessary

Parameters

method [str] the HTTP request method

url [str] API URL

params [dict({str: str, ...})] a dict of query string params (default: None)

headers [dict({str: str, ...})] a dict of HTTP headers

data [str] the XML or YAML payload necessary for some commands (default: None)

files [dict({str: str, ...})] a dict of files to upload

parse_response [bool] parse the response as an xml message

Keywords passed along to RundeckConnection.request

Return type requests.Response

make_api_url (*api_url*)

Creates a valid Rundeck URL based on the API and the base url of the RundeckConnection

Parameters

api_url [str] the Rundeck API URL

Return type str

Returns full Rundeck API URL

make_url (*path*)

Creates a valid Rundeck URL based base url of the RundeckConnection

Parameters

path [str] the Rundeck http URL path

Return type str

Returns full Rundeck URL

request (*method, url, params=None, headers=None, data=None, files=None*)

Sends the HTTP request to Rundeck

Parameters

method [str] the HTTP request method

url [str] API URL

params [dict({str: str, ...})] a dict of query string params (default: None)

data [str] the url encoded payload necessary for some commands (default: None)

files [dict({str: str, ...})] a dict of files to upload

Return type requests.Response

class `rundeck.connection.RundeckResponse` (*response, client_api_version, as_dict_method=None*)

__init__ (*response, client_api_version, as_dict_method=None*)

Parses an XML string into a convenient Python object

Parameters

response [requests.Response] an instance of the requests.Response returned by the associated command request

api_version

as_dict

message

pprint (**args, **kwargs*)

raise_for_error (*msg=None*)

success

`rundeck.connection.memoize` (*obj*)

4.1.5 rundeck.defaults

summary Default values

license Apache License, Version 2.0

author Mark LaPerriere

contact rundeckrun@mindmind.com

copyright Mark LaPerriere 2015

```
class rundeck.defaults.DupeOption
```

```
    CREATE = 'create'
    SKIP = 'skip'
    UPDATE = 'update'
    keys = ['SKIP', 'CREATE', 'values', 'UPDATE']
    values = ['skip', 'create', 'update']
```

```
class rundeck.defaults.ExecutionOutputFormat
```

```
    TEXT = 'text'
    XML = 'xml'
    YAML = 'yaml'
    keys = ['XML', 'YAML', 'values', 'TEXT']
    values = ['xml', 'yaml', 'text']
```

```
class rundeck.defaults.JobDefFormat
```

```
    XML = 'xml'
    YAML = 'yaml'
    keys = ['XML', 'YAML', 'values']
    values = ['xml', 'yaml']
```

```
class rundeck.defaults.Status
```

```
    ABORTED = 'aborted'
    FAILED = 'failed'
    PENDING = 'pending'
    RUNNING = 'running'
    SKIPPED = 'skipped'
    SUCCEEDED = 'succeeded'
    keys = ['FAILED', 'RUNNING', 'SKIPPED', 'values', 'ABORTED', 'SUCCEEDED', 'PENDING']
    values = ['failed', 'running', 'skipped', 'aborted', 'succeeded', 'pending']
```

```
class rundeck.defaults.UuidOption
```

```
    PRESERVE = 'preserve'
    REMOVE = 'remove'
    keys = ['PRESERVE', 'values', 'REMOVE']
    values = ['preserve', 'remove']
```

```
rundeck.defaults.enum(name, *sequential, **named)
```


4.1.6 rundeck.exceptions

summary Exceptions

license Apache License, Version 2.0

author Mark LaPerriere

contact rundeckrun@mindmind.com

copyright Mark LaPerriere 2015

exception `rundeck.exceptions.ApiVersionNotSupported`

This library does not support the version of the API requested

exception `rundeck.exceptions.InvalidAuthentication`

The method of authentication is not valid

exception `rundeck.exceptions.InvalidDupeOption`

The dupeOption specified is invalid

exception `rundeck.exceptions.InvalidJobArgument`

The Job name or ID is not valid

exception `rundeck.exceptions.InvalidJobDefinitionFormat`

The specified job definition format is not supported

exception `rundeck.exceptions.InvalidResourceSpecification`

The resource specified does not meet requirements.

exception `rundeck.exceptions.InvalidResponseFormat`

The requested response format is not supported

exception `rundeck.exceptions.InvalidUuidOption`

The uuidOption specified is invalid

exception `rundeck.exceptions.JobNotFound`

The Job could not be found in the Project

exception `rundeck.exceptions.MissingProjectArgument`

The requested action requires a Project name to be supplied

exception `rundeck.exceptions.RundeckServerError` (*args, **kwargs)

Base exceptions generated by the Rundeck server

`__init__` (*args, **kwargs)

4.1.7 rundeck.transforms

summary Transformations for RundeckResponses to simple dicts for consumption

license Apache License, Version 2.0

author Mark LaPerriere

contact rundeckrun@mindmind.com

copyright Mark LaPerriere 2015

requires requests

`rundeck.t.transforms.events` (resp)

`rundeck.t.transforms.execution` (resp)

`rundeck.transforms.execution_abort` (*resp*)

`rundeck.transforms.execution_output` (*resp*)

`rundeck.transforms.executions` (*resp*)

`rundeck.transforms.is_transform` (*func*)

A simple decorator that marks a function as a “trasform” which allows the transform decorator to only reference functions that are specifically intended to transform client method call responses.

`rundeck.transforms.job_import_status` (*resp*)

`rundeck.transforms.jobs` (*resp*)

`rundeck.transforms.jobs_delete` (*resp*)

`rundeck.transforms.project` (*resp*)

`rundeck.transforms.project_resources` (*resp*)

`rundeck.transforms.projects` (*resp*)

`rundeck.transforms.run_execution` (*resp*)

`rundeck.transforms.success_message` (*resp*)

`rundeck.transforms.system_info` (*resp*)

`rundeck.transforms.transform` (*resp_type*)

A decorator to take a RundeckResponse and pass it through one of the `is_transform` marked functions above

4.1.8 rundeck.util

summary Utility functions for the package

license Apache License, Version 2.0

author Mark LaPerriere

contact rundeckrun@mindmind.com

copyright Mark LaPerriere 2015

`rundeck.util.attr2dict` (*el*)

Turns an elements attrib dict into... wait for it... a dict. Yea, it’s silly to me too. But, according to the ElementTree docs, using the `Element.attrib` attribute directly is not recommended - don’t look at me - I just work here.

Parameters `el`: `ElementTree.Element`

Returns a dictionary of element attrib key/value pairs

Return type dict

`rundeck.util.child2dict` (*el*)

Turns an `ElementTree.Element`’s children into a dict using the node names as dict keys and and the node text as dict values

Parameters `el`: `ElementTree.Element`

Returns a dictionary of element key(tag name)/value(node text) pairs

Return type dict

`rundeck.util.cull_kwargs` (*api_keys*, *kwargs*)

Strips out the `api_params` from `kwargs` based on the list of `api_keys` !! modifies `kwargs` inline

Parameters

api_keys [list | set | tuple] an iterable representing the keys of the key value pairs to pull out of kwargs

kwargs [dict] a dictionary of kwargs

Returns a dictionary the API params

Return type dict

`rundeck.util.dict2argstring` (*argString*)

Converts an argString dict into a string otherwise returns the string unchanged

Parameters

argString [str | dict] argument string to pass to job - if str, will be passed as-is else if dict will be converted to compatible string

Returns an argString

Return type str

`rundeck.util.node2dict` (*el*)

Combines both the attr2dict and child2dict functions

r

rundeck, 11
rundeck.api, 11
rundeck.client, 22
rundeck.connection, 33
rundeck.defaults, 35
rundeck.exceptions, 37
rundeck.transforms, 37
rundeck.util, 38

Symbols

- `__init__()` (rundeck.api.RundeckApiTolerant method), 11
 - `__init__()` (rundeck.api.RundeckNode method), 21
 - `__init__()` (rundeck.client.Rundeck method), 22
 - `__init__()` (rundeck.connection.RundeckConnectionTolerant method), 34
 - `__init__()` (rundeck.connection.RundeckResponse method), 35
 - `__init__()` (rundeck.exceptions.RundeckServerError method), 37
- ### A
- `abort_execution()` (rundeck.client.Rundeck method), 23
 - ABORTED (rundeck.defaults.Status attribute), 36
 - `api_version` (rundeck.connection.RundeckResponse attribute), 35
 - `api_version_check()` (in module rundeck.api), 22
 - ApiVersionNotSupported, 37
 - `as_dict` (rundeck.connection.RundeckResponse attribute), 35
 - `attr2dict()` (in module rundeck.util), 38
- ### C
- `call()` (rundeck.connection.RundeckConnectionTolerant method), 34
 - `child2dict()` (in module rundeck.util), 38
 - CREATE (rundeck.defaults.DupeOption attribute), 36
 - `create_project()` (rundeck.client.Rundeck method), 23
 - `cull_kwargs()` (in module rundeck.util), 38
- ### D
- `delete_job()` (rundeck.api.RundeckApiTolerant method), 12
 - `delete_job()` (rundeck.client.Rundeck method), 23
 - `delete_jobs()` (rundeck.client.Rundeck method), 23
 - `dict2argstring()` (in module rundeck.util), 39
 - DupeOption (class in rundeck.defaults), 35
- ### E
- `enum()` (in module rundeck.defaults), 36
 - `events()` (in module rundeck.transforms), 37
 - `execution()` (in module rundeck.transforms), 37
 - `execution()` (rundeck.api.RundeckApiTolerant method), 12
 - `execution_abort()` (in module rundeck.transforms), 37
 - `execution_abort()` (rundeck.api.RundeckApiTolerant method), 12
 - `execution_output()` (in module rundeck.transforms), 38
 - `execution_output()` (rundeck.api.RundeckApiTolerant method), 12
 - `execution_status()` (rundeck.client.Rundeck method), 24
 - ExecutionOutputFormat (class in rundeck.defaults), 36
 - `executions()` (in module rundeck.transforms), 38
 - `executions()` (rundeck.api.RundeckApiTolerant method), 13
 - `executions_running()` (rundeck.api.RundeckApiTolerant method), 14
 - `export_job()` (rundeck.client.Rundeck method), 24
- ### F
- FAILED (rundeck.defaults.Status attribute), 36
- ### G
- `get_execution_output()` (rundeck.client.Rundeck method), 24
 - `get_job_id()` (rundeck.client.Rundeck method), 24
 - `get_job_ids()` (rundeck.client.Rundeck method), 25
 - `get_project()` (rundeck.client.Rundeck method), 25
 - `get_project_history()` (rundeck.client.Rundeck method), 25
- ### H
- `history()` (rundeck.api.RundeckApiTolerant method), 14
- ### I
- `import_job()` (rundeck.client.Rundeck method), 26
 - `import_job_file()` (rundeck.client.Rundeck method), 27
 - InvalidAuthentication, 37
 - InvalidDupeOption, 37
 - InvalidJobArgument, 37

InvalidJobDefinitionFormat, 37
 InvalidResourceSpecification, 37
 InvalidResponseFormat, 37
 InvalidUuidOption, 37
 is_job_id() (in module rundeck.client), 33
 is_transform() (in module rundeck.transforms), 38

J

job() (rundeck.api.RundeckApiTolerant method), 15
 job_executions() (rundeck.api.RundeckApiTolerant method), 15
 job_import_status() (in module rundeck.transforms), 38
 job_run() (rundeck.api.RundeckApiTolerant method), 15
 JobDefFormat (class in rundeck.defaults), 36
 JobNotFound, 37
 jobs() (in module rundeck.transforms), 38
 jobs() (rundeck.api.RundeckApiTolerant method), 16
 jobs_delete() (in module rundeck.transforms), 38
 jobs_delete() (rundeck.api.RundeckApiTolerant method), 16
 jobs_export() (rundeck.api.RundeckApiTolerant method), 16
 jobs_export() (rundeck.client.Rundeck method), 27
 jobs_import() (rundeck.api.RundeckApiTolerant method), 17

K

keys (rundeck.defaults.DupeOption attribute), 36
 keys (rundeck.defaults.ExecutionOutputFormat attribute), 36
 keys (rundeck.defaults.JobDefFormat attribute), 36
 keys (rundeck.defaults.Status attribute), 36
 keys (rundeck.defaults.UuidOption attribute), 36

L

list_job_executions() (rundeck.client.Rundeck method), 27
 list_jobs() (rundeck.client.Rundeck method), 27
 list_project_resources() (rundeck.client.Rundeck method), 28
 list_projects() (rundeck.client.Rundeck method), 28
 list_running_executions() (rundeck.client.Rundeck method), 28

M

make_api_url() (rundeck.connection.RundeckConnectionTolerant method), 34
 make_url() (rundeck.connection.RundeckConnectionTolerant method), 35
 memoize() (in module rundeck.connection), 35
 message (rundeck.connection.RundeckResponse attribute), 35
 MissingProjectArgument, 37

N

node2dict() (in module rundeck.util), 39

P

PENDING (rundeck.defaults.Status attribute), 36
 pprint() (rundeck.connection.RundeckResponse method), 35
 PRESERVE (rundeck.defaults.UuidOption attribute), 36
 project() (in module rundeck.transforms), 38
 project() (rundeck.api.RundeckApiTolerant method), 17
 project_jobs() (rundeck.api.RundeckApiTolerant method), 17
 project_resources() (in module rundeck.transforms), 38
 project_resources() (rundeck.api.RundeckApiTolerant method), 17
 project_resources_refresh() (rundeck.api.RundeckApiTolerant method), 18
 project_resources_update() (rundeck.api.RundeckApiTolerant method), 18
 projects() (in module rundeck.transforms), 38
 projects() (rundeck.api.RundeckApiTolerant method), 18

Q

query_executions() (rundeck.client.Rundeck method), 29

R

raise_for_error() (rundeck.connection.RundeckResponse method), 35
 refresh_project_resources() (rundeck.client.Rundeck method), 30
 REMOVE (rundeck.defaults.UuidOption attribute), 36
 request() (rundeck.connection.RundeckConnection method), 33
 request() (rundeck.connection.RundeckConnectionTolerant method), 35
 run_adhoc_command() (rundeck.client.Rundeck method), 30
 run_adhoc_script() (rundeck.client.Rundeck method), 31
 run_adhoc_url() (rundeck.client.Rundeck method), 31
 run_command() (rundeck.api.RundeckApiTolerant method), 19
 run_execution() (in module rundeck.transforms), 38
 run_job() (rundeck.client.Rundeck method), 32
 run_script() (rundeck.api.RundeckApiTolerant method), 19
 run_script() (rundeck.api.RundeckApiTolerant method), 20
 Rundeck (class in rundeck.client), 22
 rundeck (module), 11
 rundeck.api (module), 11
 rundeck.client (module), 22
 rundeck.connection (module), 33
 rundeck.defaults (module), 35
 rundeck.exceptions (module), 37

rundeck.transforms (module), 37
 rundeck.util (module), 38
 RundeckApi (class in rundeck.api), 11
 RundeckApiTolerant (class in rundeck.api), 11
 RundeckConnection (class in rundeck.connection), 33
 RundeckConnectionTolerant (class in rundeck.connection), 34
 RundeckNode (class in rundeck.api), 21
 RundeckResponse (class in rundeck.connection), 35
 RundeckServerError, 37
 RUNNING (rundeck.defaults.Status attribute), 36

S

serialize() (rundeck.api.RundeckNode method), 22
 SKIP (rundeck.defaults.DupeOption attribute), 36
 SKIPPED (rundeck.defaults.Status attribute), 36
 Status (class in rundeck.defaults), 36
 SUCCEEDED (rundeck.defaults.Status attribute), 36
 success (rundeck.connection.RundeckResponse attribute), 35
 success_message() (in module rundeck.transforms), 38
 system_info() (in module rundeck.transforms), 38
 system_info() (rundeck.api.RundeckApiTolerant method), 21
 system_info() (rundeck.client.Rundeck method), 33

T

TEXT (rundeck.defaults.ExecutionOutputFormat attribute), 36
 transform() (in module rundeck.transforms), 38

U

UPDATE (rundeck.defaults.DupeOption attribute), 36
 update_project_resources() (rundeck.client.Rundeck method), 33
 UuidOption (class in rundeck.defaults), 36

V

values (rundeck.defaults.DupeOption attribute), 36
 values (rundeck.defaults.ExecutionOutputFormat attribute), 36
 values (rundeck.defaults.JobDefFormat attribute), 36
 values (rundeck.defaults.Status attribute), 36
 values (rundeck.defaults.UuidOption attribute), 36

X

xml (rundeck.api.RundeckNode attribute), 22
 XML (rundeck.defaults.ExecutionOutputFormat attribute), 36
 XML (rundeck.defaults.JobDefFormat attribute), 36

Y

YAML (rundeck.defaults.ExecutionOutputFormat attribute), 36