
Rocket Python Documentation

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Derek Stegelman

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Rocket Python is a Python 2 and 3 library to access the [REST API](#) in RocketChat instances. The goal is to implement the entire REST API provided by [RocketChat](#).

CHAPTER 1

Installation

First step is to install via pip:

```
pip install rocket-python
```

You'll need to create an instance of the Rocket API by logging in:

```
from rocketchat.api import RocketChatAPI

api = RocketChatAPI(settings={'username': 'someuser', 'password': 'somepassword',
                              'domain': 'https://myrocketchatdomain.com'})
```


2.1 rocketchat package

2.1.1 Subpackages

rocketchat.calls package

Subpackages

rocketchat.calls.auth package

Submodules

rocketchat.calls.auth.get_me module

```
class rocketchat.calls.auth.get_me.GetMe (settings=None, *args, **kwargs)
```

```
    Bases: rocketchat.calls.base.RocketChatBase
```

```
    build_endpoint (**kwargs)
```

```
        Build the endpoint for the user given some kwargs from the initial calling.
```

```
        Returns
```

```
        endpoint =  '/api/v1/me' 
```

```
        post_response (result)
```

Module contents

rocketchat.calls.channels package

Submodules

rocketchat.calls.channels.create_public_room module

```
class rocketchat.calls.channels.create_public_room.CreatePublicRoom(settings=None,
                                                                    *args,
                                                                    **kwargs)

    Bases: rocketchat.calls.base.PostMixin, rocketchat.calls.base.RocketChatBase

    build_endpoint (**kwargs)
        Build the endpoint for the user given some kwargs from the initial calling.

        Returns

    build_payload (**kwargs)
        Build a payload dict that will be passed directly to the endpoint. If you need to pass this as plain text or
        whatever you'll need to the dumping here.

        Returns

    endpoint = '/api/v1/channels.create'

    post_response (result)
```

rocketchat.calls.channels.delete_public_room module

```
class rocketchat.calls.channels.delete_public_room.DeletePublicRoom(settings=None,
                                                                    *args,
                                                                    **kwargs)

    Bases: rocketchat.calls.base.PostMixin, rocketchat.calls.base.RocketChatBase

    build_endpoint (**kwargs)
        Build the endpoint for the user given some kwargs from the initial calling.

        Returns

    build_payload (**kwargs)
        Build a payload dict that will be passed directly to the endpoint. If you need to pass this as plain text or
        whatever you'll need to the dumping here.

        Returns

    endpoint = '/api/v1/channels.delete'

    post_response (result)
```

rocketchat.calls.channels.get_history module

```
class rocketchat.calls.channels.get_history.GetRoomHistory(settings=None, *args,
                                                            **kwargs)

    Bases: rocketchat.calls.base.RocketChatBase

    build_endpoint (**kwargs)
        Build the endpoint for the user given some kwargs from the initial calling.

        Returns

    endpoint = '/api/v1/channels.history'

    post_response (result)
```

rocketchat.calls.channels.get_public_rooms module

```
class rocketchat.calls.channels.get_public_rooms.GetPublicRooms (settings=None,  
                                                                *args,  
                                                                **kwargs)
```

Bases: *rocketchat.calls.base.RocketChatBase*

build_endpoint ()

Build the endpoint for the user given some kwargs from the initial calling.

Returns

endpoint = `'/api/v1/channels.list '`

post_response (*result*)

rocketchat.calls.channels.get_room_info module

```
class rocketchat.calls.channels.get_room_info.GetRoomInfo (settings=None,  *args,  
                                                                **kwargs)
```

Bases: *rocketchat.calls.base.RocketChatBase*

build_endpoint (***kwargs*)

Build the endpoint for the user given some kwargs from the initial calling.

Returns

endpoint = `'/api/v1/channels.info '`

post_response (*result*)

Module contents

rocketchat.calls.chat package

Submodules

rocketchat.calls.chat.send_message module

```
class rocketchat.calls.chat.send_message.SendMessage (settings=None,  *args,  
                                                                **kwargs)
```

Bases: *rocketchat.calls.base.PostMixin, rocketchat.calls.base.RocketChatBase*

build_endpoint (***kwargs*)

Build the endpoint for the user given some kwargs from the initial calling.

Returns

build_payload (***kwargs*)

Build a payload dict that will be passed directly to the endpoint. If you need to pass this as plain text or whatever you'll need to the dumping here.

Returns

endpoint = `'/api/v1/chat.postMessage '`

Module contents

rocketchat.calls.groups package

Submodules

rocketchat.calls.groups.get_private_room_history module

```
class rocketchat.calls.groups.get_private_room_history.GetPrivateRoomHistory (settings=None,  
                                                                    *args,  
                                                                    **kwargs)
```

Bases: *rocketchat.calls.base.RocketChatBase*

```
build_endpoint (**kwargs)
```

Build the endpoint for the user given some kwargs from the initial calling.

Returns

```
endpoint = '/api/v1/groups.history'
```

```
post_response (result)
```

rocketchat.calls.groups.get_private_room_info module

```
class rocketchat.calls.groups.get_private_room_info.GetPrivateRoomInfo (settings=None,  
                                                                    *args,  
                                                                    **kwargs)
```

Bases: *rocketchat.calls.base.RocketChatBase*

```
build_endpoint (**kwargs)
```

Build the endpoint for the user given some kwargs from the initial calling.

Returns

```
endpoint = '/api/v1/groups.info'
```

```
post_response (result)
```

rocketchat.calls.groups.get_private_rooms module

```
class rocketchat.calls.groups.get_private_rooms.GetPrivateRooms (settings=None,  
                                                                    *args,  
                                                                    **kwargs)
```

Bases: *rocketchat.calls.base.RocketChatBase*

```
build_endpoint ()
```

Build the endpoint for the user given some kwargs from the initial calling.

Returns

```
endpoint = '/api/v1/groups.list'
```

```
post_response (result)
```

rocketchat.calls.groups.get_room_id module

```
class rocketchat.calls.groups.get_room_id.GetRoomId (settings=None, *args,
                                                    **kwargs)
    Bases: rocketchat.calls.base.RocketChatBase

    build_endpoint (**kwargs)
        Build the endpoint for the user given some kwargs from the initial calling.

        Returns

        endpoint =  '/api/v1/groups.info '

        post_response (result)
```

rocketchat.calls.groups.upload_file module

```
class rocketchat.calls.groups.upload_file.UploadFile (settings=None, *args,
                                                    **kwargs)
    Bases: rocketchat.calls.base.PostMixin, rocketchat.calls.base.RocketChatBase

    build_endpoint (**kwargs)
        Build the endpoint for the user given some kwargs from the initial calling.

        Returns

    build_files (**kwargs)
        Build files :param kwargs: :return:

    build_payload (**kwargs)
        Build a payload dict that will be passed directly to the endpoint. If you need to pass this as plain text or
        whatever you'll need to the dumping here.

        Returns

    endpoint =  '/api/v1/rooms.upload '

    post_response (result)
```

Module contents

rocketchat.calls.users package

Submodules

rocketchat.calls.users.create_user module

```
class rocketchat.calls.users.create_user.CreateUser (settings=None, *args,
                                                    **kwargs)
    Bases: rocketchat.calls.base.PostMixin, rocketchat.calls.base.RocketChatBase

    build_endpoint (**kwargs)
        Build the endpoint for the user given some kwargs from the initial calling.

        Returns
```

build_payload (***kwargs*)

Build a payload dict that will be passed directly to the endpoint. If you need to pass this as plain text or whatever you'll need to the dumping here.

Returns

endpoint = `'/api/v1/users.create '`

post_response (*result*)

rocketchat.calls.users.delete_user module

class rocketchat.calls.users.delete_user.**DeleteUser** (*settings=None, *args, **kwargs*)

Bases: `rocketchat.calls.base.PostMixin, rocketchat.calls.base.RocketChatBase`

build_endpoint (***kwargs*)

Build the endpoint for the user given some kwargs from the initial calling.

Returns

build_payload (***kwargs*)

Build a payload dict that will be passed directly to the endpoint. If you need to pass this as plain text or whatever you'll need to the dumping here.

Returns

endpoint = `'/api/v1/users.delete '`

post_response (*result*)

rocketchat.calls.users.get_user_info module

class rocketchat.calls.users.get_user_info.**GetUserInfo** (*settings=None, *args, **kwargs*)

Bases: `rocketchat.calls.base.RocketChatBase`

build_endpoint (***kwargs*)

Build the endpoint for the user given some kwargs from the initial calling.

Returns

endpoint = `'/api/v1/users.info '`

post_response (*result*)

rocketchat.calls.users.get_users module

class rocketchat.calls.users.get_users.**GetUsers** (*settings=None, *args, **kwargs*)

Bases: `rocketchat.calls.base.RocketChatBase`

build_endpoint (***kwargs*)

Build the endpoint for the user given some kwargs from the initial calling.

Returns

endpoint = `'/api/v1/users.list '`

post_response (*result*)

Module contents

Submodules

rocketchat.calls.base module

```
class rocketchat.calls.base.PostMixin
```

Bases: object

```
method = 'post'
```

```
class rocketchat.calls.base.RocketChatBase(settings=None, *args, **kwargs)
```

Bases: object

```
auth_token = None
```

```
auth_user_id = None
```

```
build_endpoint(**kwargs)
```

Build the endpoint for the user given some kwargs from the initial calling.

Returns

```
build_files(**kwargs)
```

Build files :param kwargs: :return:

```
build_payload(**kwargs)
```

Build a payload dict that will be passed directly to the endpoint. If you need to pass this as plain text or whatever you'll need to the dumping here.

Returns

```
call(*args, **kwargs)
```

Parameters

- **args** –
- **kwargs** –

Returns

```
endpoint = None
```

```
files = None
```

```
headers = {}
```

```
method = 'get'
```

```
post_response(result)
```

```
set_auth_headers()
```

```
set_auth_token()
```

```
settings = None
```

Module contents

2.1.2 Submodules

2.1.3 rocketchat.api module

class `rocketchat.api.RocketChatAPI` (*settings=None, *args, **kwargs*)

Bases: `object`

close_im_room (*room_id, **kwargs*)

Close direct message room

Parameters *room_id* –

Returns

create_im_room (*username, **kwargs*)

Create direct message room with user

Parameters *username* –

Returns

create_public_room (*name, **kwargs*)

Create room with given name :param name: Room name :param kwargs: members: The users to add to the channel when it is created.

Optional; Ex.: ["rocket.cat"], Default: []

read_only: Set if the channel is read only or not. Optional; Ex.: True, Default: False

Returns

create_user (*email, name, password, username, **kwargs*)

Create user :param email: E-mail :param name: Full name :param password: Password :param username: Username :param kwargs: active: roles: join_default_channels: require_password_change: send_welcome_email: verified: custom_fields: :return:

delete_public_room (*room_id, **kwargs*)

Delete room with given ID :param room_id: Room ID :param kwargs: :return:

delete_user (*user_id, **kwargs*)

Delete user :param user_id: User ID :param kwargs: :return:

get_im_room_history (*room_id, oldest=None, latest=datetime.datetime(2023, 3, 24, 18, 58, 44, 419929), inclusive=False, count=20, unreads=False, **kwargs*)

Get various history of specific direct message room

Parameters

- *room_id* –
- *kwargs* –

Returns

get_im_rooms (***kwargs*)

Get direct message rooms

Returns

get_my_info (***kwargs*)

get_private_room_history (*room_id*, *oldest=None*, ***kwargs*)

Get various history of specific private group in this case private

Parameters

- **room_id** –
- **kwargs** –

Returns

get_private_room_info (*room_id*, ***kwargs*)

Get various information about a specific private group

Parameters

- **room_id** –
- **kwargs** –

Returns

get_private_rooms (***kwargs*)

Get a listing of all private rooms with their names and IDs

get_public_rooms (***kwargs*)

Get a listing of all public rooms with their names and IDs

get_room_history (*room_id*, *oldest=None*, *latest=datetime.datetime(2023, 3, 24, 18, 58, 44, 419904)*, *inclusive=False*, *count=20*, *unreads=False*, ***kwargs*)

Get various history of specific channel/room

Parameters

- **room_id** –
- **kwargs** –

Returns

get_room_id (*room_name*, ***kwargs*)

Get room ID :param room_name: :param kwargs: :return:

get_room_info (*room_id*, ***kwargs*)

Get various information about a specific channel/room

Parameters

- **room_id** –
- **kwargs** –

Returns

get_user_info (*user_id*, ***kwargs*)

Retrieves information about a user, the result is only limited to what the callee has access to view. :param user_id: :param kwargs: :return:

get_users (***kwargs*)

Gets all of the users in the system and their information :param kwargs: :return:

logout (***kwargs*)

Logout

Returns

open_im_room (*room_id*, ***kwargs*)

Open direct message room

Parameters `room_id` –

Returns

send_message (*message*, *room_id*, ***kwargs*)

Send a message to a given room

set_room_topic (*room_id*, *topic*, ***kwargs*)

settings = None

upload_file (*room_id*, *description*, *file*, *message*, *mime_type='text/plain'*, ***kwargs*)

Upload file to room :param room_id: :param description: :param file: :param kwargs: :return:

2.1.4 Module contents

3.1 Licensing

MIT License

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