
ReadyCloud API Client Documentation

Release 0.2.0

Trueship Inc

November 24, 2015

1	ReadyCloud API Client	3
1.1	Features	3
1.2	Installation	3
1.3	Usage	3
2	Credits	9
2.1	Development Lead	9
2.2	Contributors	9
3	History	11
4	0.3.1 (2015-11-24)	13
5	0.3.0 (2015-10-09)	15
6	0.2.0 (2014-08-16)	17
7	0.1.0 (2014-08-12)	19
8	Indices and tables	21
	Python Module Index	23

Contents:

ReadyCloud API Client

Python client for ReadyCloud API.

- Free software: BSD license
- Documentation: <https://readycloud-python-client.readthedocs.org>.

1.1 Features

- GET, POST, PUT, PATCH, DELETE requests to ReadyCloud.
- CRUD functions for Order, WebHooks
- Support for Python2 and Python3.

1.2 Installation

```
pip install readycloud
```

1.3 Usage

```
from readycloud import ReadyCloud
rc = ReadyCloud(token='your token')

orders = rc.get_orders()

order = orders['objects']['0']
order['message'] = 'New message'

rc.update_order(order['id'], order)

rc.delete_order(order['id'])

boxes = rc.get('/api/v1/boxes')
```

More information in API documentation:

1.3.1 readycloud package

Submodules

readycloud.decorators module

readycloud.decorators

Module with decorators

`readycloud.decorators.safe_json_request` (*func*)

Decorator which check response returned by func, and:

- If status 20x or 40x - returns json deserialized response
- If status 50x - raises ReadyCloudServerError

readycloud.exceptions module

exception `readycloud.exceptions.ReadyCloudServerError` (**args, **kwargs*)

Bases: `requests.exceptions.HTTPError`

readycloud.readycloud module

readycloud.readycloud

Module which contains ReadyCloud class.

class `readycloud.readycloud.ReadyCloud` (*token, host='https://readycloud.com/', org_id=None, api='v2'*)

Bases: `object`

Class for working with ReadyCloud API.

API_V1 = 'v1'

API_V2 = 'v2'

create_order (*order*)

Create a new order.

Parameters *order* (*dict*) – dict structure of order

Returns *dict* – dictionary with response

create_orders_webhook (*url*)

Create new webhook for orders.

Parameters *url* (*str*) – URL to which RS should post updated for orders

Returns *dict* – dictionary with response

create_webhook (*entity, url*)

Create new webhook.

Parameters

- **entity** (*str*) – Entity for which you want to register webhook
- **url** (*str*) – URL to which RC should post updates for registered entity

Returns dict – dictionary with response

delete (*args, **kwargs)

Do DELETE request to ReadyCloud.

Parameters **url** (*str*) – URL to which you want to do request

Returns dict – dictionary with response

delete_order (*order_id*)

Delete order

Parameters **order_id** (*str*) – order id for delete

Returns dict – dictionary with response

delete_webhook (*webhook_id*)

Delete webhook

Parameters **webhook_id** (*int*) – webhook id for delete

Returns dict – dictionary with response

get (*args, **kwargs)

Do GET request to ReadyCloud.

Parameters

- **url** (*str*) – URL to which you want to do request
- **params** (*dict*) – dict with request params

Returns dict – dictionary with response

get_headers ()

Get http headers for request.

Returns dict – dictionary with headers

get_order_url (*order_id*)

Get orders endpoint URL for specified order_id

Parameters **order_id** (*str*) – order id

Returns str – absolute URL to order endpoint

get_orders (**kwargs)

Get orders.

Parameters **kwargs** (*dict*) – filters, limit, offset, etc.

Returns dict – dictionary with response

get_orders_url ()

Get orders endpoint URL.

Returns str – absolute URL to orders endpoint

get_organization (*org_id*)

Get organization. :param str org_id: hexahexacontadecimal encoded organization id :returns: dict – dictionary with response

get_organization_url (*org_id*)

Get organization endpoint URL :param str org_id: hexahexacontadecimal encoded organization id :returns: str – absolute URL to organization endpoint

get_organizations (***kwargs*)

Get organization. :param dict kwargs: filters, limit, offset, etc. :returns: dict – dictionary with response

get_organizations_url ()

Get organizations endpoint URL :returns: str – absolute URL to organizations endpoint

get_webhook_url (*webhook_id*)

Get webhooks endpoint URL for specified *webhook_id*

Parameters *webhook_id* (*int*) – webhook id

Returns str – absolute URL to webhook endpoint

get_webhooks (***kwargs*)

Get list of registered webhooks :param dict kwargs: filters, limit, offset, etc.

Returns dict – dictionary with response

get_webhooks_url ()

Get webhooks endpoint URL.

Returns str – absolute URL to webhooks endpoint

patch (**args, **kwargs*)

Do PATCH request to ReadyCloud.

Parameters

- **url** (*str*) – URL to which you want to do request
- **data** (*dict*) – dict with data which you want to PUT

Returns dict – dictionary with response

post (**args, **kwargs*)

Do POST request to ReadyCloud.

Parameters

- **url** (*str*) – URL to which you want to do request
- **data** (*dict*) – dict with POST data

Returns dict – dictionary with response

put (**args, **kwargs*)

Do PUT request to ReadyCloud.

Parameters

- **url** (*str*) – URL to which you want to do request
- **data** (*dict*) – dict with data which you want to PUT

Returns dict – dictionary with response

update_order (*order_id, order*)

Update an existing order.

Parameters

- **order_id** (*str*) – order id
- **order** (*dict*) – dict structure of order

Returns dict – dictionary with response

update_orders_webhook (*webhook_id*, *url*)

Update URL for already registered orders webhook.

Parameters

- **webhook_id** (*int*) – webhook id which you want to edit
- **url** (*str*) – new webhook url

Returns dict – dictionary with response

update_webhook (*webhook_id*, *entity*, *url*)

Update an existing webhook.

Parameters

- **webhook_id** (*int*) – order id
- **entity** (*str*) – Entity for which you want to register webhook
- **url** (*str*) – URL to which RC should post updates for registered entity

Returns dict – dictionary with response

readycloud.utils module

readycloud.utils

Module which contains different utils, helpers, etc.

`readycloud.utils.get_response_json(response)`

Safe loads JSON response. If response is not json serialized - return it as content key.

Parameters **response** (*requests response object*) – response

Returns dict – dictionary with loaded json response

`readycloud.utils.urljoin(*args)`

Join provided url parts to url

Parameters ***args** – url parts to join

Returns str – concatenated url

Module contents

readycloud.readycloud

Module which exposes public api.

Credits

2.1 Development Lead

- Taras Lyapun <tlyapun@trueship.com>

2.2 Contributors

- Joey Payne
- Prasanth Nair

History

0.3.1 (2015-11-24)

- Added *patch* method to perform PATCH HTTP requests.

0.3.0 (2015-10-09)

- Added support for the 2.0 API.

0.2.0 (2014-08-16)

- Added register webhooks methods
- Fixed few issues

0.1.0 (2014-08-12)

- First release on PyPI.

Indices and tables

- `genindex`
- `modindex`
- `search`

r

`readycloud`, [7](#)
`readycloud.decorators`, [4](#)
`readycloud.exceptions`, [4](#)
`readycloud.readycloud`, [4](#)
`readycloud.utils`, [7](#)

A

API_V1 (readycloud.readycloud.ReadyCloud attribute), 4

API_V2 (readycloud.readycloud.ReadyCloud attribute), 4

C

create_order() (readycloud.readycloud.ReadyCloud method), 4

create_orders_webhook() (readycloud.readycloud.ReadyCloud method), 4

create_webhook() (readycloud.readycloud.ReadyCloud method), 4

D

delete() (readycloud.readycloud.ReadyCloud method), 5

delete_order() (readycloud.readycloud.ReadyCloud method), 5

delete_webhook() (readycloud.readycloud.ReadyCloud method), 5

G

get() (readycloud.readycloud.ReadyCloud method), 5

get_headers() (readycloud.readycloud.ReadyCloud method), 5

get_order_url() (readycloud.readycloud.ReadyCloud method), 5

get_orders() (readycloud.readycloud.ReadyCloud method), 5

get_orders_url() (readycloud.readycloud.ReadyCloud method), 5

get_organization() (readycloud.readycloud.ReadyCloud method), 5

get_organization_url() (readycloud.readycloud.ReadyCloud method), 5

get_organizations() (readycloud.readycloud.ReadyCloud method), 5

get_organizations_url() (readycloud.readycloud.ReadyCloud method), 6

get_response_json() (in module readycloud.utils), 7

get_webhook_url() (readycloud.readycloud.ReadyCloud method), 6

get_webhooks() (readycloud.readycloud.ReadyCloud method), 6

get_webhooks_url() (readycloud.readycloud.ReadyCloud method), 6

P

patch() (readycloud.readycloud.ReadyCloud method), 6

post() (readycloud.readycloud.ReadyCloud method), 6

put() (readycloud.readycloud.ReadyCloud method), 6

R

ReadyCloud (class in readycloud.readycloud), 4

readycloud (module), 7

readycloud.decorators (module), 4

readycloud.exceptions (module), 4

readycloud.readycloud (module), 4

readycloud.utils (module), 7

ReadyCloudServerError, 4

S

safe_json_request() (in module readycloud.decorators), 4

U

update_order() (readycloud.readycloud.ReadyCloud method), 6

update_orders_webhook() (readycloud.readycloud.ReadyCloud method), 6

update_webhook() (readycloud.readycloud.ReadyCloud method), 7

urljoin() (in module readycloud.utils), 7