
Yuleak API Documentation

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Wanbytes SAS

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The official Python library for the [Yuleak API](#).

CHAPTER 1

Features

- Convenient methods for making calls to the API.
- Automatic parsing of API responses into Python objects.

CHAPTER 2

Installation

yuleak-api is available on [PYPI](#)

```
pip install yuleak-api
```


You can use the API with default demo key for development purpose but to use it you'll need to [register to Yuleak](#).

3.1 Authentication

```
from yuleak_api.client import YuleakClient
YuleakClient.set_apikey('my_secret_api_key')
```

3.2 Errors

In case of error, GET methods will return an empty list and POST/DELETE will return False.

The error will be displayed in `yuleak-api` logger.

Warnings will (such as a deprecated endpoint) will also be displayed in `yuleak-api` logger.

3.3 Pagination

Pagination will be handle by the `YuleakClient`, you do not have to care about.

This is not intended to provide complete documentation of the API.

For more details, [please refer to the official documentation](#).

For more information on the included models and abstractions, please read the code.

4.1 Credits

Please check your credits amount before making any search or renew action to avoid errors.

```
print(YuleakClient.credits())
```

4.2 Dashboards

```
dashboards = YuleakClient.dashboards()
for dashboard in dashboards:
    # Display stats (similar to dashboard view in WebUI)
    print(dashboard.stats())
    # Display map (similar to map widget in WebUI)
    print(dashboard.map())
    # Display graph (similar to graph view in WebUI)
    for node in dashboard.graph():
        if node.type == 'asn':
            print('AS: {0}'.format(node.label))
            for child in node.neighbors:
                if child.type == 'server':
                    print(child)
    # Display timeline (similar to timeline widget in WebUI)
    print(dashboard.timeline())
    # Display details (similar to details view in WebUI)
```

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```
for server in dashboard.details():
    print(server.geo.country_name)
dashboard.delete()
```

4.3 Resources

```
resources = dashboard.resources()
for resource in resources:
    print('{0} :: {1}'.format(resource.value, resource.status))
    if resource.type == 'server':
        resource.renew()
    else:
        resource.delete()
```

4.4 Bookmarks

```
server = dashboard.details()[0]
assert not server.bookmark
server.add_bookmark()
assert server.bookmark
server.del_bookmark()
assert not server.bookmark
```

4.5 Filters

```
dashboard.add_filter('domain', 'all')
for f in dashboard.filters():
    print(f)
    f.delete()
```

4.6 Search

```
YuleakClient.search('yuleak.com')
dashboard = YuleakClient.dashboards()[-1]
dashboard.search('yuleak.io')
# Mass search
new_servers = dashboard.list_new_servers()
if YuleakClient.credits() >= new_servers > 0:
    dashboard.searchall()
```

5.1 v1.3.4

- requests timeout can now be set with `YuleakClient.REQUESTS_TIMEOUT`
- requests retry on error can now be set with `YuleakClient.REQUESTS_RETRY`

5.2 v1.3.3

- correct error on 'DELETE dashboard/{id}' endpoint

5.3 v1.3.2

- correct error on 'searchall' endpoint

5.4 v1.3.1

- correct error on pip install

5.5 v1.3.0

- GET dashboard/{id}/renewall added
- POST dashboard/{id}/renewall added

5.6 v1.2.0

- GET dashboard/{id}/searchall added
- POST dashboard/{id}/searchall added

5.7 v1.1.0

- Change to match the Yuleak API path modifications

6.1 Generated Code Documentation

Python client for Yuleak API.

class `yuleak_api.client.YuleakClient`

Client for Yuleak API.

Class must be used without instance of it.

classmethod `credits()`

Get current user remaining credits

See <https://app.yuleak.com/apidoc#get-credits> for endpoint details.

Returns: available credits amount

classmethod `dashboards()`

Get the current user dashboards list

See <https://app.yuleak.com/apidoc#get-dashboards> for endpoint details.

Returns: list of Dashboard items

classmethod `delete_request(endpoint, params=None)`

Make a DELETE request to the API.

Args: endpoint (str): Name of the endpoint to query. params (dict): GET data to send

Returns: (bool) True if the request performed well

classmethod `get_request(endpoint)`

Make a GET request to the API.

Args: endpoint (str): Name of the endpoint to query.

Returns: a list of items

classmethod `post_request(endpoint, data=None)`

Make a POST request to the API.

Args: endpoint (str): Name of the endpoint to query. data (dict): Data to send

Returns: (bool) True if the request performed well

classmethod **search** (*search*)

Launch a new search (credits will be used). A new dashboard will be created.

See <https://app.yuleak.com/apidoc#post-search> for endpoint details.

Args: search (str): Expression to search

Returns: (bool) True if the search has been launched

classmethod **set_apikey** (*apikey*)

Define the ApiKey to use (by default 'demo' is used).

Args: apikey (str): ApiKey to use

class yuleak_api.models.dashboard.**Dashboard** (*id_, name*)

Dashboard model

add_filter (*category, value, type_='required'*)

Add a filter to the current dashboard.

See <https://app.yuleak.com/apidoc#post-filters> for endpoint details.

Args: category (str): Filter category (server, domain, alert, date) value (str): Filter value (all, blacklist, cloudflare ...) **type_** (str): Filter type: required (by default) or ignored

Returns: True if the filter has been added

delete ()

Delete the current dashboard and all its data.

See <https://app.yuleak.com/apidoc#post-delete> for endpoint details.

Returns: (bool) True if the dashboard has been deleted

details ()

Get the current dashboard servers (similar to details view in WebUI).

See <https://app.yuleak.com/apidoc#get-details> for endpoint details.

Returns: list of Server items

filters ()

Get the current dashboard active filters (similar to filters list widget in WebUI).

See <https://app.yuleak.com/apidoc#get-filters> for endpoint details.

Returns: list of Filter items

graph ()

Get the current dashboard graph (similar to graph view in WebUI).

See <https://app.yuleak.com/apidoc#get-graph> for endpoint details.

Returns: list of Node items

list_new_servers ()

Get list of servers not in resources.

See <https://app.yuleak.com/apidoc#get-searchall> for endpoint details.

Returns: list of ip (string)

map ()

Get the current dashboard map markers (similar to map widget in WebUI).

See <https://app.yuleak.com/apidoc#get-map> for endpoint details.

Returns: list of Marker items

renew_all ()

Re-launch all resources of the current dashboard.

See <https://app.yuleak.com/apidoc#post-renewall> for endpoint details.

Returns: (bool) True if the search has been launched

renew_cost ()

Get the cost to renew all resources

See <https://app.yuleak.com/apidoc#get-renewall> for endpoint details.

Returns: (int) Amount of credits

resources ()

Get the current dashboard resources (similar to resources list widget in WebUI).

See <https://app.yuleak.com/apidoc#get-resources> for endpoint details.

Returns: list of Resource items

search (search)

Launch a new search (credits will be used) in the current dashboard.

See <https://app.yuleak.com/apidoc#post-search> for endpoint details.

Args: search (str): Expression to search

Returns: (bool) True if the search has been launched

searchall ()

Search all servers not listed in resources (credits will be used).

See <https://app.yuleak.com/apidoc#post-searchall> for endpoint details.

Returns: (bool) True if the search has been launched

stats ()

Get the current dashboard statistics (similar to dashboard view in WebUI).

See <https://app.yuleak.com/apidoc#get-dashboard> for endpoint details.

Returns: dict containing statistics

timeline ()

Get the current dashboard timeline (similar to timeline widget in WebUI).

See <https://app.yuleak.com/apidoc#get-timeline> for endpoint details.

Returns: list of Event items

class yuleak_api.models.event.**Event**

Timeline event model

class yuleak_api.models.filter.**Filter** (dashboard)

Filter model.

delete ()

Delete the current filter

See <https://app.yuleak.com/apidoc#delete-filters> for endpoint details.

Returns: (bool) True if the filter has been deleted

class yuleak_api.models.marker.**Marker**
Map marker model

class yuleak_api.models.node.**Node**
Graph node model

connect (*child*)
Connect the current node and the child node.

Args: child (Node): Node to connect

class yuleak_api.models.resource.**Resource** (*dashboard*)
Resource model.

delete ()
Delete the current resource and all data linked
See <https://app.yuleak.com/apidoc#delete-resources> for endpoint details.
Returns: (bool) True if the search has been launched

renew ()
Launch a new search for the current resource (credits will be consumed)
See <https://app.yuleak.com/apidoc#post-renew> for endpoint details.
Returns: (bool) True if the search has been launched

class yuleak_api.models.server.**Server** (*dashboard*)
Server model

add_bookmark ()
Add a bookmark to the current server.
See <https://app.yuleak.com/apidoc#post-bookmark> for endpoint details.
Returns: (bool) True if the bookmark have been added

del_bookmark ()
Delete the bookmark of the current server.
See <https://app.yuleak.com/apidoc#delete-bookmark> for endpoint details.
Returns: (bool) True if the bookmark have been deleted

exception yuleak_api.errors.**YuleakAPIError** (*json_error*)

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