Yuleak API Documentation

Release 1.3.4

Wanbytes SAS

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The official Python library for the Yuleak API.

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Features

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

4 Chapter 1. Features

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Installation

yuleak-api is available on PYPI

pip install yuleak-api

Documentation

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.

Usage

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()
```

10 Chapter 4. Usage

Changelog

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

Contents

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

${\tt classmethod\ post_request}\,(\mathit{endpoint}, \mathit{data} {=} \mathit{None})$

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 defaut '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 dahboard 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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