
python-kairosdb

Release 0.2.1

Nov 28, 2017

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The *kairosdb* package provides an intuitive and easy to use interface to KairosDB REST API. It defines the following attribute:

```
kairosdb.VERSION = '0.2.1'
    Current version of the package as str.

kairosdb.LOG = None
    Basic logger for KairosDB interface module

kairosdb.basic_logger()
    Configure a basic logger for KairosDB interface

    Returns Logger object
```

kairosdb.client – KairosDB REST API client

```
class kairosdb.client.KairosDBAPIClient (api_endpoint,      verify=None,      time-  
                                         out=None)
```

KairosDB API client

It implements common HTTP methods GET, POST, PUT and DELETE This client is using `requests` package. Please see <http://docs.python-requests.org/> for more information.

Parameters

- **verify** (*bool*) – Control SSL certificate validation
- **timeout** (*int*) – Request timeout in seconds
- **api_endpoint** (*str*) – KairosDB API endpoint

```
get (self, path, data=None, **kwargs)
```

Partial method invoking `request ()` with http method *GET*.

```
post (self, path, data=None, **kwargs)
```

Partial method invoking `request ()` with http method *POST*.

```
put (self, path, data=None, **kwargs)
```

Partial method invoking `request ()` with http method *PUT*.

```
delete (self, path, data=None, **kwargs)
```

Partial method invoking `request ()` with http method *DELETE*.

```
request (path, method, data=None, **kwargs)
```

Handle requests to API

Parameters

- **path** (*str*) – API endpoint's path to request
- **method** (*str*) – HTTP method to use
- **data** (*dict*) – Data to send (optional)

Returns Parsed json response as `dict`

Additional named argument may be passed and are directly transmitted to `request ()` method of `requests.Session` object.

class kairosdb.client.**KairosDBAPIEndPoint** (*api_client*)

KairosDB API endpoint

This class do not provide convenience methods `get()`, `post()`, `put()` and `delete()`. Those methods should be implemented by subclasses.

Parameters **api_client** (*CachetAPIClient*) – Cachet API client instance

api_client

CachetAPIClient instance passed at instantiation.

`_get`

Alias to `get()` method of *api_client* instance.

`_post`

Alias to `post()` method of *api_client* instance.

`_put`

Alias to `put()` method of *api_client* instance.

`_delete`

Alias to `delete()` method of *api_client* instance.

kairosdb – KairosDB REST API Interface

class `kairosdb.KairosDBAPI` (**args, **kwargs*)
KairosDB API interface

version
KairosDB version from API.
See also:
<https://kairosdb.github.io/docs/build/html/restapi/Version.html>

health_status
KairosDB health status from API.
See also:
<https://kairosdb.github.io/docs/build/html/restapi/Health.html>

health_check
KairosDB health check from API.
See also:
<https://kairosdb.github.io/docs/build/html/restapi/Health.html>

metricnames
KairosDB metric names from API.
See also:
<https://kairosdb.github.io/docs/build/html/restapi/ListMetricNames.html>

tagnames
KairosDB tag names from API.
See also:
<https://kairosdb.github.io/docs/build/html/restapi/ListTagNames.html>

tagvalues
KairosDB tag values from API.

See also:

<https://kairosdb.github.io/docs/build/html/restapi/ListTagValues.html>

search_metrics (*matches*, *exclude_matches=None*)

Search KairosDB metrics using glob matches

Parameters

- **matches** (*list*) – List of glob matches
- **exclude_matches** (*list*) – List of glob matches for exclusions

Returns Matched metric names as *list* ()

query_metrics (*data*)

Get metrics data points

Parameters **data** (*dict*) – Data to post for query

Returns Metric data points as *dict*

See also:

<https://kairosdb.github.io/docs/build/html/restapi/QueryMetrics.html>

delete_metric (*metric_name*)

Delete a metric and all data points associated with the metric

Parameters **metric_name** (*str*) – Name of the metric to delete

See also:

<https://kairosdb.github.io/docs/build/html/restapi/DeleteMetric.html>

delete_datapoints (*data*)

Delete metric data points

Parameters **data** (*dict*) – Data to post for query

See also:

<https://kairosdb.github.io/docs/build/html/restapi/DeleteDataPoints.html>

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