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# **python-kairosdb**

*Release 0.2.1*

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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
```



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## kairosdb.client – KairosDB REST API client

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```
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.

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### kairosdb – KairosDB REST API Interface

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**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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