quaerere-base-flask Documentation

Release 0.3.1.dev2

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Sep 21, 2019

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CHAPTER 1

API

class quaerere_base_flask.schemas.**ArangoDBFilterSchema**(*extra=None*, *only=None*, *exclude=()*, *prefix=''*, *strict=None*, *many=False*, *context=None*, *load_only=()*, *dump_only=()*, *partial=False*)

:py:attr: ***filters*** [:py:class: ~*.fields.List*] condition

:py:attr: ***variables*** [:py:class: ~*.fields.Dict*] variables used to bind

class quaerere_base_flask.schemas.**ArangoDBMetadataSchema**(*extra=None*, *only=None*, *exclude=()*, *prefix=''*, *strict=None*, *many=False*, *context=None*, *load_only=()*, *dump_only=()*, *partial=False*)

Schema for ArangoDB insert/update metadata

:py:attr: ***_id*** [:py:class: *marshmallow.fields.String*][required=True] Id of document

:py:attr: ***_key*** [:py:class: ~*marshmallow.fields.String*][required=True] Key of document

:py:attr: ***_rev*** [:py:class: ~*.fields.String*][required=True] Current revision of document

:py:attr: ***_old_rev*** [:py:class: ~*.fields.String*] Previous revision of document

class quaerere_base_flask.views.**BaseView**

Base class for defining a Restful access method to a resource

BaseView provides basic Restful access to a resource defined by a given data object and schema.

Current supported functionality

- `index()`
- `get()`

- *post()*
- *put()*
- *patch()*
- *delete()*
- *find()*

Supported callbacks

- pre and post create (HTTP POST)
- pre and post read (HTTP GET)
- pre and post update (HTTP PUT and PATCH)
- pre and post delete (HTTP DELETE)

__init__()

_post_create_callback(*resp_data*)

Call back function ran *after* object is created in data store

Parameters **resp_data** – Response data

Returns

_post_delete_callback(*key*, *resp_data*)

Call back function ran *before* object is deleted in data store

Parameters

- **key** – Object key
- **resp_data** – Response data

Returns

_post_read_callback(*key*, *resp_data*)

Call back function ran *after* object is read from data store

Parameters

- **key** – Object key
- **resp_data** – Response data

Returns

_post_update_callback(*key*, *resp_data*, *http_method*)

Call back function ran *after* object is updated in data store

Parameters

- **key** – Object key
- **resp_data** – Response data
- **http_method** – 'patch' or 'put'

Returns

_pre_create_callback(*req_data*)

Call back function ran *before* object is created in data store

Parameters **req_data** – Request data

Returns

_pre_delete_callback(*key*)
Call back function ran *before* object is deleted in data store

Parameters **key** – Object key

Returns

_pre_read_callback(*key*)
Call back function ran *before* object is read from data store

Parameters **key** – Object key

Returns

_pre_update_callback(*key*, *req_data*, *http_method*)
Call back function ran *before* object is updated in data store

Parameters

- **key** – Object key
- **req_data** – Request data
- **http_method** – 'patch' or 'put'

Returns

delete(*key*)
Delete an object

Parameters **key** – Key of object

Returns DB Delete metadata

find()
Find an object based on criteria

Returns objects

get(*key*)
Get a specific object by key

Parameters **key** – Primary key of an object to retrieve

Returns Object of provided key

index()
Returns all objects

Returns All objects of the model type

patch(*key*)
Update specific data elements

Parameters **key** – Key of object

Returns DB Update metadata

post()
Create a new object

Returns DB Insert metadata

put(*key*)
Update all fields on an object

Parameters **key** – Key of object

Returns DB Update metadata

`quaerere_base_flask.views.`**`register_views`**(*app*, *view_module*, *version*, *prefix='api'*)

Registers FlaskView classes to the Flask app passed as argument

Parameters

- **app** (*flask.Flask*) – Flask app instance
- **version** (*str*) – API version string
- **prefix** (*str or None*) – String to prepend to API path

Returns

CHAPTER 2

About

quaerere-base-flask contains the common elements shared between components of the Quaerere Platform.

2.1 Links

- Documentation: http://quaerere-base-flask.readthedocs.io/
- PyPI: https://pypi.org/project/quaerere-base-flask/
- Source: https://github.com/QuaererePlatform/quaerere-base-flask.git

CHAPTER 3

Installation

Using pip:

```
pip install quaerere-base-flask
```

Or using setup.py:

```
python setup.py install
```

Tests can be ran using:

```
python setup.py test
```

Documentation can be generated using:

```
python setup.py build_sphinx
```

CHAPTER 4

Usage

CHAPTER 5

Indices and tables

- genindex
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