

---

# **Flask-arango-orm Documentation**

***Release 0.1.0***

**Caitlyn O'Hanna**

**Mar 25, 2019**



---

## Contents:

---

<b>1</b>	<b>Configuration Options</b>	<b>1</b>
<b>2</b>	<b>API</b>	<b>3</b>
<b>3</b>	<b>About</b>	<b>5</b>
<b>4</b>	<b>Installation</b>	<b>7</b>
<b>5</b>	<b>Usage</b>	<b>9</b>
<b>6</b>	<b>Indices and tables</b>	<b>11</b>
	<b>Python Module Index</b>	<b>13</b>



---

## Configuration Options

---

All configuration options are to be specified in the Flask app's config

### **ARANGODB\_DATABASE**

**str**

Used to specify the database name used to connect to arangodb

### **ARANGODB\_USER**

**str**

Used to specify username used to connect to arangodb

### **ARANGODB\_PASSWORD**

**str**

Used to specify password used to connect to arangodb

### **ARANGODB\_HOST**

**tuple**

Default is ('http', '127.0.0.1', 8529)

A tuple in the format of *protocol, host, port* Used for connecting to the arangodb host

### **ARANGODB\_CLUSTER**

**bool**

Default is *False*

Used to determine if connecting to a pool of hosts

### **ARANGODB\_HOST\_POOL**

**list**

A list of tuples in the format of *protocol, host, port* Used for connecting to a pool of arangodb hosts



Main module for flask\_arango\_orm

**class** flask\_arango\_orm.arango.**ArangoORM** (*app=None*)

Flask extension for integrating the arango\_orm package

**\_\_init\_\_** (*app=None*)

Constructor

If a flask app instance is passed as an argument, *init\_app* is run as well.

**Parameters** **app** (*flask.Flask*) – Flask app instance

**\_\_weakref\_\_**

list of weak references to the object (if defined)

**connect** ()

Sets up the connection to the arangodb database

Uses app configuration for setup, utilizing the following:

- ARANGODB\_DATABASE
- ARANGODB\_USER
- ARANGODB\_PASSWORD
- ARANGODB\_HOST
- ARANGODB\_CLUSTER
- ARANGODB\_HOST\_POOL

If ARANGODB\_CLUSTER is True, then the host configuration is taken from ARANGODB\_HOST\_POOL, otherwise ARANGODB\_HOST is used.

**Returns** Connection to arangodb

**Return type** arango\_orm.Database

### **connection**

Property for storing and retrieving the database connection

Stores the database connection in the top of the Flask application context stack, `flask._app_ctx_stack`. If a connection does not currently exist, `connect()` is called.

**Returns** ArangoDB connection

**Return type** `arango_orm.Database`

### **init\_app** (*app*)

Initializes ArangoORM for use with the passed app instance

Sets up the following defaults:

- `ARANGODB_CLUSTER = False`
- `ARANGODB_HOST = ('http', '127.0.0.1', 8529)`

This should be useful for most development setups

**Parameters** `app` (`flask.Flask`) – Flask app instance

**Returns**



## CHAPTER 3

---

### About

---

Flask-arango-orm is used to connect to an [ArangoDB](#) instance using [arango-orm](#) as an object model layer to your [Flask](#) app. ArangoDB is a hybrid database that can provide a document, graph, and relational mode which can be taken advantage of using arango-orm.



## CHAPTER 4

---

### Installation

---

Using pip:

```
pip install Flask-arango-orm
```

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 5

---

### Usage

---

This extension for the Flask framework uses arango-orm to provide an Object Model to use within the Flask application.

```
from flask import Flask
from flask_arango_orm import ArangoORM

app = Flask(__name__)
arango = ArangoORM(app)

@app.route('/route')
def some_route():
    db_conn = arango.connection
```



## CHAPTER 6

---

### Indices and tables

---

- `genindex`
- `modindex`
- `search`





### **f**

`flask_arango_orm`, 3  
`flask_arango_orm.arango`, 3



## Symbols

`__init__()` (*flask\_arango\_orm.arango.ArangoORM*  
*method*), 3

`__weakref__` (*flask\_arango\_orm.arango.ArangoORM*  
*attribute*), 3

## A

ARANGODB\_CLUSTER, 1

ARANGODB\_DATABASE, 1

ARANGODB\_HOST, 1

ARANGODB\_HOST\_POOL, 1

ARANGODB\_PASSWORD, 1

ARANGODB\_USER, 1

ArangoORM (*class in flask\_arango\_orm.arango*), 3

## B

bool, 1

## C

`connect()` (*flask\_arango\_orm.arango.ArangoORM*  
*method*), 3

`connection` (*flask\_arango\_orm.arango.ArangoORM*  
*attribute*), 3

## F

`flask_arango_orm` (*module*), 3

`flask_arango_orm.arango` (*module*), 3

## I

`init_app()` (*flask\_arango\_orm.arango.ArangoORM*  
*method*), 4

## L

list, 1

## S

str, 1

## T

tuple, 1