
Quorum Documentation

Release 0.1.0

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CONTENTS

A small extension framework for Flask to easy a series of simple tasks.

INTRODUCTION

1.1 Goals and Focus

The focus of this project was...

CHANGELOG

List the complete set of changes to the quorum project since it's creation.

2.1 Current Versions

2.1.1 0.1.7

- Support for Amazon S3 using [boto](#)
- Experimental documentation

2.1.2 0.1.6

- Support for Amazon S3 using [boto](#)
- Experimental documentation

2.2 Older Versions

0.1.5

- Initial support for [mongodb](#)

API REFERENCE

3.1 quorum

`quorum.load(app=None, name=None, secret_key=None, execution=True, redis_session=False, mongo_database=None, logger=None, models=None, **kwargs)`

Initial loader function responsible for the overriding of the flask loading system and for the loading of configuration.

Note: This function should be called inside you main app file failure to do so may result in unexpected behavior.

Parameters

- **app** (*Application*) – The optional flask application object to be used in the loading of quorum (useful for self managed apps).
- **name** (*String*) – The name to be used to describe the application for the management of internal values.
- **secret_key** (*String*) – The secret seed value to be used for cryptographic operations under flask (eg: client side sessions) this value should be shared among all the pre-fork instances.
- **execution** (*bool*) – Flag indicating if the (background) execution thread should be started providing the required support for background tasks.
- **redis_session** (*bool*) – If the session management for the flask infra-structure should be managed using a server side session with support from redis.
- **mongo_database** (*String*) – The default name of the database to be used when using the mongo infra-structure.
- **logger** (*String*) – The name to be used as identification for possible logger files created by the logging sub-module.
- **models** (*Module*) – The module containing the complete set of model classes to be used by the data infra-structure (eg: `mongo`).

Return type Application

Returns The application that is used by the loaded quorum environment in case one was provided that is retrieved, otherwise the newly created one is returned instead.

`quorum.unload()`

Unloads the current quorum instance, after this call no more access to the quorum facilities is allowed.

Warning: Use this function with care as it may result in unexpected behavior from a developer point of view.

Note: After the call to this method most of the functionality of quorum will become unavailable until further call to `quorum.load()`.

enumerate (*sequence* [, *start=0*])

Return an iterator that yields tuples of an index and an item of the *sequence*. (And so on.)

3.2 quorum.mongodb

`quorum.mongodb.get_connection()`

GLOSSARY

BIOS A set of computer instructions in firmware that control input and output operations.

EPEL Common acronym for Extra Packages for Enterprise Linux. These are typically included in Fedora Linux, and provided for RedHat, CentOS, and other RPM-based distributions. The project's homepage is here: [FedoraProject:EPEL](#).

MAC Pronounced as “mack” and often used as a noun referring to a network device’s Media Access Controller (MAC) address. A MAC address is a globally unique number assigned to each interface in an Ethernet network and used to direct Ethernet frames between source and destination devices.

OSI Open Systems Interconnection (OSI) is an effort to develop standards-based computer networking protocols in order to allow networking equipment from different vendors to interoperate without relying on implementation of competing proprietary protocols. The OSI is best known for the development of the standard seven-layer OSI model for describing layers of abstraction into which the various networking protocols are categorized.

POSIX An acronym for “Portable Operating System Interface”, is a family of standards specified by the IEEE for maintaining compatibility between operating systems. POSIX defines the application programming interface (API), along with command line shells and utility interfaces, for software compatibility with variants of Unix and other operating systems. Read more here: [Wikipedia:POSIX](#).

RFC The RFC documents (Request for Comments) are a series of Internet standards, best common practices, and related documents describing how networked computers communicate. This document series provides the standards for how the Internet and many other related technologies interrelate and interoperate.

INSTALLATION

Install using setuptools, e.g. (within a virtualenv):

```
$ easy_install quorum
```


EXAMPLE

```
import flask
import quorum

app = quorum.load(
    name = __name__
)

@app.route("/", methods = ("GET",))
def index():
    return flask.render_template("index.html.tpl")

if __name__ == "__main__":
    quorum.run()
```


INDICES AND TABLES

- *genindex*
- *modindex*
- *search*