
qirest
Release

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CHAPTER 1

Synopsis

The Quantitative Imaging Profile REST server serves data for the Quantitative Imaging Profile (QiPr) web application.

API <https://qiprprofile-rest.readthedocs.org/en/latest/api/index.html>

Git <https://github.com/ohsu-qin/qirest>

CHAPTER 2

Installation

1. Install the Python `pip` package on your workstation, if necessary.
2. Install `MongoDB`, if necessary. Use the default `WiredTiger` storage engine.
3. Install `qirest`:

```
pip install qirest
```


1. Start MongoDB:

```
mongod&
```

2. Run the following command to display the REST server commands and options:

```
qirest --help
```

3. Start the REST server:

```
qirest
```

Alternatively, the server can be started in development mode with the `--development` option:

```
qirest --development
```

4. The data model is described in the [REST client](#) documentation. The REST API is described in the [Eve Features](#) documentation. For example, the following command returns the JSON list of all subjects for a server running on the local machine:

```
curl -i http://localhost:5000/subject
```


CHAPTER 4

Development

The project is cloned, tested, documented and released as described in the [qipipe](#) documentation Development section¹. A sample database can be created by running the following command in the local `qirest` project directory:

```
./qirest/test/helpers/seed.py
```

¹

Note that the Read The Docs `qirest` project requirements file must be set to `requirements_read_the_docs.txt`. This alternative requirements file is a subset of the `requirements.txt` suitable only for documentation generation. Specifically, the alternative file works around the following problem:

- A Read The Docs build with `requirements.txt` fails on pymongo because of an over-zealous Eve dependency constraint.