
mg-rest-util Documentation

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1.1 Requirements

1.1.1 Software

- Python 2.7.10+
- pyenv
- pyenv virtualenv
- pip

1.1.2 Python Modules

- Flask
- Flask-Restful
- Waitress
- Sphinx
- sphinx-autobuild

1.2 Installation

1.2.1 Basics

Directly from GitHub:

```
1 git clone https://github.com/Multiscale-Genomics/mg-rest-util.git
2 cd mg-rest-util/
3 pip install -e .
4 pip install -r requirements.txt
```

Using pip:

```
1 pip install git+https://github.com/Multiscale-Genomics/mg-rest-util.git
```

1.3 Documentation

To build the documentation:

```
1 pip install Sphinx
2 pip install sphinx-autobuild
3 cd docs
4 make html
```

2.1 Methods

```
#__init__.py: mg_rest_util.mg_auth # :members:  
mg_rest_util.mg_auth.authorized (func)  
    Wrapper for authorization based on tokens
```

Example

```
1 from mg_rest_util.mg_auth import authorized  
2  
3 class GetTest(Resource):  
4  
5     @authorized  
6     def get(self, user_id):  
7         if user_id is not None:  
8             return "Valid user token"  
9         return {  
10            'error': 'Forbidden',  
11            'status': 403  
12        }
```

```
mg_rest_util.mg_auth.validate_token (access_token)  
    Verify that a MuG access token is valid
```

Parameters `access_token` (*str*) –

Returns

`user_ids` –

`user_id` [*str*] The user_id, None if user does not exist or the test user_id if on a test server

public_id [str] The user_id for public datasets. This is set using the RESTful servers authorisation config file.

Return type dict

CHAPTER 3

Architectural Decision Record (ADR)

This file is a record of the choices that have been made about the choice of software, packages, pipelines and data structures that have been made in this repository. This document should serve the help future developers (including the original authors) understand what certain choices were made.

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CHAPTER 5

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