Eiffel-graphql Documentation

Release unknown

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Eiffel GraphQL API and storage solution.

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CHAPTER 1

Contents

1.1 Eiffel Graphql API

Eiffel GraphQL API and storage solution.

1.1.1 Description

This is an Eiffel API solution. There is also a storage component used to collect events and store them in a MongoDB database in order to do historical lookups of events.

Documentation: https://eiffel-graphql-api.readthedocs.io/en/latest/

1.1.2 Features

- API for historical lookups.
- Search for events linked to my event.
- Event storage.
- Where is my commit

1.1.3 Installation

pip install.

1.1.4 Examples

TBD

1.1.5 Contribute

- Issue Tracker: https://github.com/eiffel-community/eiffel-graphql-api/issues
- Source Code: https://github.com/eiffel-community/eiffel-graphql-api

1.1.6 Support

If you are having issues, please let us know. There is a mailing list at: eiffel-graphql-apimaintainers@googlegroups.com or just write an Issue.

1.2 Examples

1.2.1 Initialize terminal

```
export RABBITMQ_HOST=
export RABBITMQ_EXCHANGE=
export RABBITMQ_USERNAME=
export RABBITMQ_PASSWORD=
export RABBITMQ_PORT=
export RABBITMQ_VHOST=
export RABBITMQ_QUEUE=
export RABBITMQ_DURABLE_QUEUE=
export MONGODB_CONNSTRING=
export MONGODB_DATABASE=
```

1.2.2 Start DB storage (development)

```
python -m eiffel_graphql_api.storage
```

1.2.3 Start DB storage (Docker)

```
docker build -f Dockerfile.storage -t eiffel-storage .
docker run \
    --name=storage \
    -e MONGODB_CONNSTRING=mongodb://username:secret@mongodb.example.com/eiffel \
    -e MONGODB_DATABASE=eiffel \
    -e RABBITMO_HOST=rabbitmq.example.com \
    ...
    eiffel-storage
```

1.2.4 Start API (development server)

```
./entry_debug
```

1.2.5 Start API (Docker)

```
docker build -f Dockerfile.graphql-api -t eiffel-graphql-api .
docker run \
    --name=graphql-api \
    -p 5000:5000/tcp \
    -e MONGODB_CONNSTRING=mongodb://username:secret@mongodb.example.com/eiffel \
    -e MONGODB_DATABASE=eiffel \
    eiffel-graphql-api
```

1.2.6 Run tests

tox

1.3 Code Rules

Eiffel GraphQL API code rules.

Tox https://tox.readthedocs.io is executed on each pull request to execute all tests, linters and code rules. This can also be run locally by installing tox https://tox.readthedocs.io/en/latest/install.html and running the command.

Standard

- black https://github.com/psf/black for general code formatting.
- pydocstyle http://www.pydocstyle.org for checking docstring formats using pep257 https://www.python.org/dev/peps/pep-0257.
- pylint https://www.pylint.org as the main linter.

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Version 2.0, January 2004

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1.5 Maintainers

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1.6 Changelog

1.6.1 Version 1.0.0

• Database publisher and GraphQL API.

1.7 eiffel_graphql_api

1.7.1 eiffel graphql api package

Subpackages

eiffel_graphql_api.graphql package

Subpackages

eiffel_graphql_api.graphql.db package

Submodules

eiffel_graphql_api.graphql.db.database module

Module contents

Eiffel GraphQL API database module.

eiffel_graphql_api.graphql.schemas package

Subpackages

eiffel graphql api.graphql.schemas.events package

Submodules

eiffel graphql api.graphql.schemas.events.activity canceled module eiffel graphql api.graphql.schemas.events.activity finished module eiffel graphql api.graphql.schemas.events.activity started module eiffel graphgl api.graphgl.schemas.events.activity triggered module eiffel_graphql_api.graphql.schemas.events.announcement_published module eiffel graphql api.graphql.schemas.events.artifact created module eiffel graphql api.graphql.schemas.events.artifact published module eiffel_graphql_api.graphql.schemas.events.artifact reused module eiffel graphql api.graphql.schemas.events.composition defined module eiffel_graphql_api.graphql.schemas.events.confidence_level_modified module eiffel graphql api.graphql.schemas.events.environment defined module eiffel graphql api.graphql.schemas.events.flow context defined module eiffel graphql api.graphql.schemas.events.issue defined module eiffel graphql api.graphql.schemas.events.issue verified module eiffel graphgl api.graphgl.schemas.events.source change created module eiffel graphql api.graphql.schemas.events.source change submitted module eiffel graphql api.graphql.schemas.events.test case canceled module eiffel graphql api.graphql.schemas.events.test case finished module eiffel graphgl api.graphgl.schemas.events.test case started module eiffel graphgl api.graphgl.schemas.events.test case triggered module eiffel graphql api.graphql.schemas.events.test execution recipe collection created module eiffel_graphql_api.graphql.schemas.events.test_suite_finished module

```
eiffel_graphql_api.graphql.schemas.events.test_suite_started module
```

Module contents

eiffel_graphql_api.graphql.schemas.lib package

Submodules

eiffel_graphql_api.graphql.schemas.lib.bigint module

eiffel_graphql_api.graphql.schemas.lib.generic module

Module contents

Helper methods for project.

eiffel graphql api.graphql.schemas.links package

Submodules

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eiffel_graphql_api.graphql.schemas.links.activity_execution module
eiffel_graphql_api.graphql.schemas.links.cause module
eiffel_graphql_api.graphql.schemas.links.composition module
eiffel_graphql_api.graphql.schemas.links.composition module
eiffel_graphql_api.graphql.schemas.links.confidence_level module
eiffel_graphql_api.graphql.schemas.links.context module
eiffel_graphql_api.graphql.schemas.links.element module
eiffel_graphql_api.graphql.schemas.links.environment module
eiffel_graphql_api.graphql.schemas.links.flow_context module
eiffel_graphql_api.graphql.schemas.links.issues module
eiffel_graphql_api.graphql.schemas.links.iut module
eiffel_graphql_api.graphql.schemas.links.iut module
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eiffel_graphql_api.graphql.schemas.links.modified_announcement module

```
eiffel graphql api.graphql.schemas.links.runtime environment module
eiffel graphql api.graphql.schemas.links.source change base module
eiffel graphql api.graphql.schemas.links.subject module
eiffel_graphql_api.graphql.schemas.links.terc module
eiffel graphql api.graphql.schemas.links.test case execution module
eiffel_graphql_api.graphql.schemas.links.test_suite_execution module
eiffel graphql api.graphql.schemas.links.utils module
eiffel graphql api.graphql.schemas.links.verification basis module
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Submodules
eiffel_graphql_api.graphql.schemas.base module
eiffel graphql api.graphql.schemas.schema module
eiffel graphql api.graphql.schemas.union module
eiffel graphql api.graphql.schemas.utils module
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Eiffel GraphQL schemas.
Submodules
eiffel graphql api.graphql.api module
Module contents
Eiffel GraphQL package.
Submodules
eiffel_graphql_api.storage module
eiffel_graphql_api.wsgi module
```

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Module contents

Package resources with distribution name and version.

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