
Meepo Documentation

Release stable

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Meepo is event sourcing and event broadcasting for databases.

Documentation: <https://meepo.readthedocs.org/>

Installation

Install with pip

```
$ pip install meepo
```

To use mysql binlog as event source, install additional requires with

```
$ pip install meepo[mysqlbinlog]
```

Features

Meepo can publish the database events to outside world, so it can be used to do a lot of interesting things with its pubsub pattern, including:

- cache invalidation
- replication to RDBS / NoSQL / SearchEngine
- event sourcing
- logging and auditing
- realtime analytics
- notifications pushing

Intro

Meepo use a pubsub pattern to follow database events from sqlalchemy or mysql binlog then publish them to outside.

Meepo uses blinker to connect its PUBs and SUBs, which will transform database events to `{table}_{action}` signals with primary keys info.

Events demo:

- when a user make an order with id 1234, `order_write` signal with 1234 will be triggered.
- when the status of order#1234 changed, `order_update` signal with 1234 will be triggered.
- when user deleted the order, `order_delete` signal with 1234 will be triggered.

For every signals, you can add multiple subscribers or customize your own.

Refer to `meepo/apps/` for more examples.

Examples

Dummy prints all database events.

Use `mprint` with mysql dsn with row-based binlog enabled.

```
$ mprint -m "mysql://user:pwd@mysql_server/"
```

Contribute

1. Fork the repo and make changes.
2. Write a test which shows a bug was fixed or the feature works as expected.
3. Make sure travis-ci test succeed.
4. Send pull request.