
sprockets.mixins.avro-publisher

Documentation

Release latest

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AMQP Publishing Mixin for publishing a message as an Avro datum.

CHAPTER 1

Installation

`sprockets.mixins.avro-publisher` is available on the [Python Package Index](#) and can be installed via `pip` or `easy_install`:

```
pip install sprockets.mixins.avro-publisher
```


CHAPTER 2

Requirements

- `sprockets.mixins.amqp` `>=2.0.0`
- `fastavro` `>=0.10.1,<1.0.0`
- `tornado` `>=4.2.0,<5.0.0`

CHAPTER 3

Example

This examples demonstrates the most basic usage of `sprockets.mixins.avro-publisher`

```
export AMQP_URL="amqp://user:password@rabbitmq_host:5672/%2f"
python my-example-app.py
```

```
from tornado import gen
from tornado import web
from sprockets.mixins import avro_publisher

def make_app(**settings):
    settings = {'avro_schema_uri_format': 'http://my-schema-repository/%(name)s.avsc'}
    application = web.Application(
        [
            web.url(r'/', RequestHandler),
        ], **settings)

    avro_publisher.install(application)
    return application

class RequestHandler(avro_publisher.PublishingMixin, web.RequestHandler):

    @gen.coroutine
    def get(self, *args, **kwargs):
        body = {'request': self.request.path, 'args': args, 'kwargs': kwargs}
        yield self.avro_amqp_publish(
            'exchange',
            'routing.key',
            'avro-schema-name'
            body)

if __name__ == "__main__":
    application = make_app()
    application.listen(8888)
    logging.basicConfig(level=logging.INFO)
    ioloop.IOLoop.current().start()
```



CHAPTER 4

Source

sprockets.mixins.avro-publisher source is available on Github at
<https://github.com/sprockets/sprockets.mixins.avro-publisher>

CHAPTER 5

License

`sprockets.mixins.avro-publisher` is released under the [3-Clause BSD license](#).

Please report any issues to the Github project at <https://github.com/sprockets/sprockets.mixins.avro-publisher/issues>

Version History

2.1.0 May 3, 2017

- Consolidate code
- Streamline and use sprockets.mixins.http as well
- Replace tests with integration tests modeled after sprockets.mixins.amqp

2.0.0 Apr 26, 2017

- Move Mixin to separate file
- Replace code with latest internal version
- Rename AvroPublishingMixin to PublishingMixin
- Update setup.py and requires files to current standard
- Replace avro library with fastavro library
- Add avro_amqp_publish helper method
- **Add retry when schema cannot be fetched**
 - **Delay before retrying is configurable via application.settings:**
 - * avro_schema_fetch_retry_delay (default 0.5 seconds)
- Separate HTTP client from common app-based pool to help avoid excessive locking on high load
- **Add unit tests**

- Test execution requires a running AMQP server, see tests.py

'0.1.0' _ Sept 24, 2015

- Initial implementation