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# **sprockets.mixins.avro-publisher**

## **Documentation**

*Release stable*

Apr 27, 2017



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



# CHAPTER 1

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## Installation

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`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

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### Requirements

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- `sprockets.mixins.amqp`  $\geq 2.0.0$
- `fastavro`  $\geq 0.10.1, < 1.0.0$
- `tornado`  $\geq 4.2.0, < 5.0.0$



## CHAPTER 3

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### Example

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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

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### Source

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



## CHAPTER 5

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### License

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`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

### 2.0.0 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