
sprockets.mixins.avro

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Mixins that make working with Avro data easier.

Installation

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

```
pip install sprockets.mixins.avro
```

Requirements

- avro

API Documentation

3.1 API Reference

class `sprockets.mixins.avro.Decoder`

Mix this in over a rejected Consumer for avro deserialization.

This mix-in implements the `body` property that will automatically deserialize avro datum values using a provided schema. You are required to implement the `get_avro_schema()` method so that it returns the appropriate `avro.schema.Schema` instance for this message type.

See also: `rejected.consumer.Consumer` and `rejected.consumer.SmartConsumer`

body

Return the fully deserialized message body.

get_avro_schema()

Return the avro schema to use for this message.

Returns the avro schema instance appropriate to this message

Return type `avro.schema.Schema`

3.2 Examples

3.2.1 Rejected Consumer

A `rejected` consumer that automatically decodes and validates messages serialized using Avro.

```
from pkg_resources import resource_string

from avro import schema
from rejected import consumer
import sprockets.mixins.avro

class MyConsumer(sprockets.mixins.avro.Decoder,
                 consumer.PublishingConsumer):

    def __init__(self, *args, **kwargs):
        super(MyConsumer, self).__init__(*args, **kwargs)
        self._schema = None

    def get_avro_schema(self):
```

```
if self._schema is None:
    schema_string = resource_string('mypackage', 'schema.avsc')
    self._schema = schema.parse(schema_string)

def process(self):
    # self.body refers to the current message *AFTER*
    # decoding and validating it according to the
    # Avro schema!
```

Version History

- 1.0.0 2015-05-12
 - Initial release that includes a Tornado-alike decoder mixin. The mix in is built for use with the rejected framework.

Issues

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

Source

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

License

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

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