
edeposit.amqp.calibre

Release 1.2.0

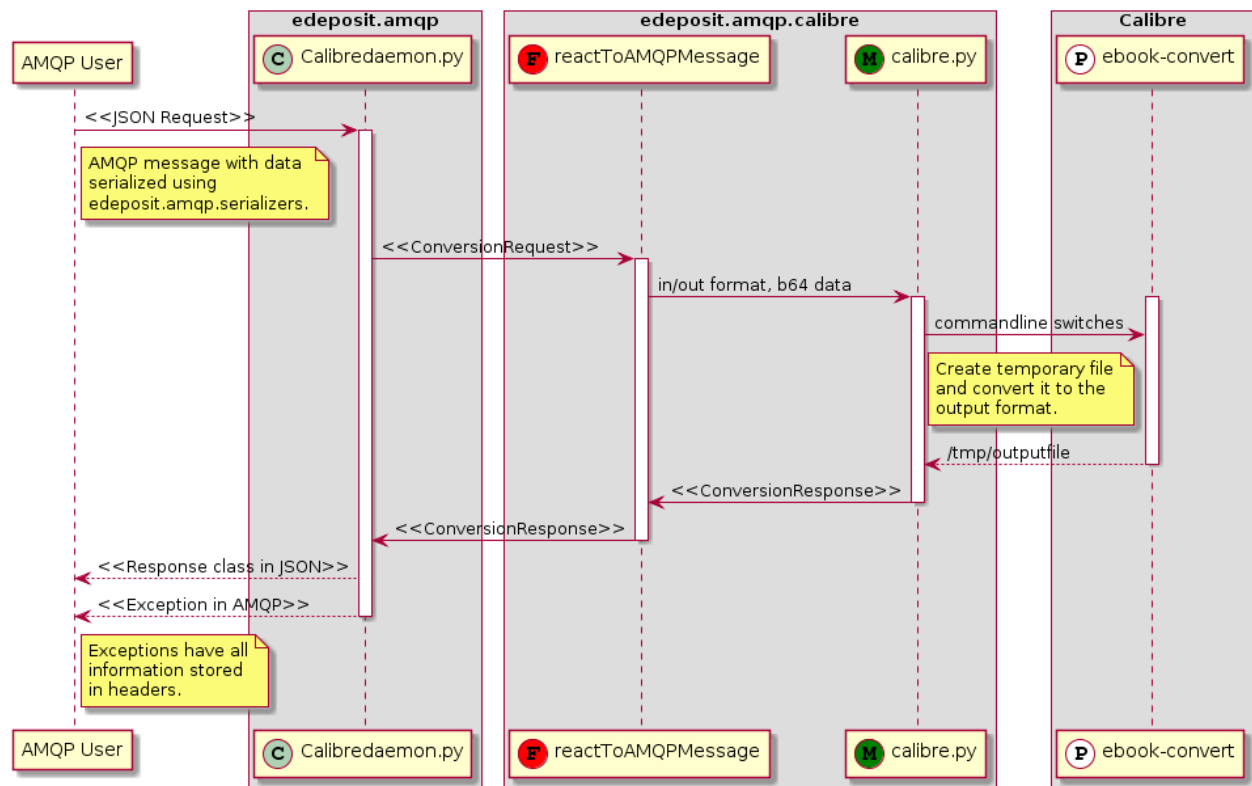
Sep 27, 2017

Contents

1	Installation	3
2	API	5
2.1	Data structures	5
2.2	Calibre package	6
3	Indices and tables	7
	Python Module Index	9

This module provides wrapper for [Calibre](#), to access it's conversion functions using AMQP protocol.

Module provides only generic wrapper, not AMQP communication itself - that is handled by [Calibredaemon](#) from [edeposit.amqp](#) project.



CHAPTER 1

Installation

Module is hosted at GitHub:

- <https://github.com/edeposit/edeposit.amqp.calibre>

and can be installed using PIP:

```
pip install edeposit.amqp.calibre
```


Data structures

`edeposit.amqp.calibre.structures.INPUT_FORMATS = ['cbz', 'cbr', 'cbc', 'chm', 'djvu', 'docx', 'epub', 'fb2', 'html']`
List of available input formats.

`edeposit.amqp.calibre.structures.OUTPUT_FORMATS = ['azw3', 'epub', 'fb2', 'oeb', 'lit', 'lrf', 'mobi', 'htmlz', 'pd']`
List of available output formats.

```
class edeposit.amqp.calibre.structures.ConversionRequest (input_format, output_format, b64_data)
```

This structure specifies details of AMQP message, which is passed to `reactToAMQPMessage()` as request for conversion.

Parameters

- **input_format** (*str*) – See *INPUT_FORMATS* for list of valid input formats
- **output_format** (*str*) – See *OUTPUT_FORMATS* for list of valid output formats.
- **b64_data** (*base64 str*) – *base64* encoded file.

Raises `ValueError` – if invalid input/output format is provided.

Create new instance of `ConversionRequest(input_format, output_format, b64_data)`

class `edeposit.amqp.calibre.structures.ConversionResponse`
Structure is returned as response from `reactToAMQPMessage()`, when the file is converted.

Parameters

- **type** (*str*) – See *OUTPUT_FORMATS* for details.
- **b64_data** (*base64 str*) – *base64* encoded converted data.
- **protocol** (*str*) – Protocol of the conversion.

Create new instance of `ConversionResponse(format, b64_data, protocol)`

Calibre package

AMQP communication wrapper for calibre's ebook-convert program.

`edeposit.amqp.calibre.reactToAMQPMessage(message, UUID)`

React to given (AMQP) message. *message* is usually expected to be `collections.namedtuple()` structure filled with all necessary data.

Parameters

- **message** (**Request class*) – only *ConversionRequest* class is supported right now
- **UUID** (*str*) – unique ID of received message

Returns response filled with data about conversion and converted file.

Return type *ConversionResponse*

Raises *ValueError* – if bad type of *message* structure is given.

Lowlevel access

It is possible to access module directly, by calling python functions to convert data. If you are interested in this way of accessing functions, please look at:

Calibre convertor

Lowlevel conversion API for calibre's ebook-convert.

`edeposit.amqp.calibre.calibre.convert(input_format, output_format, b64_data)`

Convert *b64_data* from *input_format* to *output_format*.

Parameters

- **input_format** (*str*) – Specification of input format (pdf/epub/whatever), see `INPUT_FORMATS` for list.
- **output_format** (*str*) – Specification of output format (pdf/epub/..), see `OUTPUT_FORMATS` for list.
- **b64_data** (*str*) – Base64 encoded data.

Returns *namedtuple* structure with information about output format, data (*b64_data*) and protocol from conversion. Structure is defined in *ConversionResponse*.

Return type *ConversionResponse*

Raises

- *AssertionError* – When bad arguments are handed over.
- *UserWarning* – When conversion failed.

CHAPTER 3

Indices and tables

- `genindex`
- `modindex`
- `search`

e

`edeposit.amqp.calibre`, [6](#)

`edeposit.amqp.calibre.calibre`, [6](#)

`edeposit.amqp.calibre.structures`, [5](#)

C

ConversionRequest (class in ede-
posit.amqp.calibre.structures), [5](#)
ConversionResponse (class in ede-
posit.amqp.calibre.structures), [5](#)
convert() (in module edeposit.amqp.calibre.calibre), [6](#)

E

edeposit.amqp.calibre (module), [6](#)
edeposit.amqp.calibre.calibre (module), [6](#)
edeposit.amqp.calibre.structures (module), [5](#)

I

INPUT_FORMATS (in module ede-
posit.amqp.calibre.structures), [5](#)

O

OUTPUT_FORMATS (in module ede-
posit.amqp.calibre.structures), [5](#)

R

reactToAMQPMessage() (in module ede-
posit.amqp.calibre), [6](#)