
smtp4devpy

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An abstraction library to access the messages captured by an `SMTP4dev` instance.

CHAPTER 1

Installation

Install with:

```
pip install smtp4dev
```


CHAPTER 2

Dependencies

This library depends on having a working [SMTP4Dev](#) server. This can either be running locally, or remotely, or in a [Docker](#) container.

2.1 Usage

A brief introduction to the basic usage of the library. See the API documentation for more details.

2.1.1 Client

All API connectivity is abstracted behind a client. This allows listing and retrieval of emails. Example:

```
from smtp4dev import Smtplib4Dev
client = Smtplib4Dev('http://localhost:8080')
messages = client.list_messages()
```

2.1.2 Message

Message is the abstraction of an Email. They contain the following properties:

- sender
- recipients
- received_date
- subject
- body

2.1.3 Example usage

```
from smtp4dev import SmtplibDev
client = SmtplibDev('http://localhost:8080')
messages = client.list_messages()

for message in messages:
    print("from {}: {}".format(message.sender, message.subject))
```

2.2 API

This part of the documentation covers all the interfaces for smtp4dev.

2.2.1 Main Client Object

class smtp4dev.SmtplibDev(*base_url*)
API client for SMTP4dev.

get_message (*msg_id*)
Retrieve a specific message by ID.

Parameters *msg_id* – the messages's pk (a UUID)

Returns a Message instance

Raises ApiError

list_messages (*unread_only=False*)
List all messages in the smtp4dev inbox.

Parameters *unread_only* – Only retrieve the unread messages

Returns a generator of Message items

Raises ApiError

mark_message_read (*msg_id*)
Mark a message a read in the inbox.

Parameters *msg_id* – the message's pk (a UUID)

Raises ApiError

2.2.2 Message Object

class smtp4dev.Message(*pk, sender, recipients, received_date, subject, attachment_count, is_unread*)
Object representation of an email.

static deserialize (*msg, html=None*)
Deserialize a dict of data into a Message

Parameters

- *msg* – The message as JSON
- *html* – The message's body as HTML (str)

Returns Message

set_body (*html*)

Set the message's body

Parameters **html** – the html body to set

2.2.3 Exceptions

class smtp4dev.smtp4dev.**ApiError**

An error during an API call

2.3 License

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