mailman-api Documentation

Release 0.3rc3

Sergio Oliveira

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Release v0.3rc3

mailman-api provides a daemon that will listen to HTTP requests, providing access to a REST API that can be used to interact with a locally-installed Mailman (version 2) instance.

mailman-api is tested with Python 2.7 and depends on:

- paste >= 1.7
- bottle >= 0.11.6

mailman-api is a work in progress. Contributions are welcome. Feel free to fork and contribute!

CHAPTER 1

Quickstart

1.1 Installation

1.1.1 Pip

You can use pip to install mailman-api and requirements:

```
$ pip install mailman-api
```

1.1.2 Distro Packages

We are currently working to provide linux packages (deb and rpm). Stay tunned!

1.2 Running the Sevice

To start the service manually just run the *mailman-api* command.

If you installed mailman-api from a distribution package you should be able to start your service by running *service mailman-api start*.

Usage: mailman-api [options]

Options:

-h, --help show this help message and exit

-b BIND, --bind=BIND Bind address. Default: '127.0.0.1:8124'.

--allow-from=ALLOW_FROM IPs to allow incoming requests. By deufalt only allow connections from '127.0.0.1'.

-l MAILMANLIB_PATH, --mailman-lib-path=MAILMANLIB_PATH Path to mailman libs directory. Default: '/usr/lib/mailman'.

-d, --debug Print debug information

CHAPTER 2

API Documentation

Requests can be made to any of the URI's below, strictly using the HTTP methods indicated.

The body of all responses contains valid JSON objects. Unless otherwise noted, successful requests get as response a 200 (OK) status code for response, and true in the response body. Failed requests will get responses with some HTTP error code in the 400s, and a string describing the problem in the response body.

Supported methods:

2.1 API V1

2.1.1 list_lists

Lists existing mailing lists on the server.

Method: GET

URI: /

Returns a list of the mailing lists that exist on this server.

2.1.2 subscribe

Adds a new subscriber to the list called <*listname*>

Method: PUT

URI: /<listname>

Parameters:

- *address*: email address that is to be subscribed to the list.
- *fullname*: full name of the person being subscribed to the list.
- *digest*: if this equals *true*, the new subscriber will receive digests instead of every mail sent to the list.

2.1.3 unsubscribe

Unsubscribe an email address from the mailing list.

Method: DELETE

URI: /<listname>

Parameters:

- *address*: email address that is to be unsubscribed from the list

2.1.4 members

Lists subscribers for the *listname* list.

Method: GET

URI: /<listname>

Returns an array of email addresses.

2.1.5 sendmail

Posts an email to the mailing list.

Method: POST

URI: /<listname>/sendmail

Parameters:

- *name_from*: name of the poster
- *email_from*: email address of the poster
- *subject*: the subject of the message
- *body*: the body of the message.
- *in_reply_to* (optional): Message-ID of the message that is being replied to, if any.

2.2 API V2

2.2.1 list_lists

Lists existing mailing lists on the server.

Method: GET

URI: /v2/

Returns a list of dictionaries the mailing lists and its public attributes that exist on this server.

2.2.2 create_list

Create a mail list.

Method: POST

URI: /v2/lists/<listname>

Parameters:

- *admin*: email of list admin
- *password*: list admin password
- *subscription_policy*: 1) Confirm; 2) Approval; 3)Confirm and approval.

Default is Confirm (1) * *archive_privacy*: 0) Public; 1) Private. Default is Public (0)

2.2.3 subscribe

Adds a new subscriber to the list called <*listname*>

Method: PUT

URI: /v2/subscribe/<listname>

Parameters:

- *address*: email address that is to be subscribed to the list.
- *fullname*: full name of the person being subscribed to the list.
- *digest*: if this equals *true*, the new subscriber will receive digests instead of every mail sent to the list.

2.2.4 unsubscribe

Unsubscribe an email address from the mailing list.

Method: DELETE

URI: /v2/subscribe/<listname>

Parameters:

- *address*: email address that is to be unsubscribed from the list

2.2.5 members

Lists subscribers for the *listname* list.

Method: GET

URI: /v2/members/<listname>

Returns an array of email addresses.

2.2.6 sendmail

Posts an email to the mailing list.

Method: POST

URI: /v2/sendmail/<listname>

Parameters:

- *name_from*: name of the poster
- *email_from*: email address of the poster

- *subject*: the subject of the message
- *body*: the body of the message.
- *in_reply_to* (optional): Message-ID of the message that is being replied to, if any.

CHAPTER 3

Licensing Information

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