
MalixMail

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INTRODUCTION

MalixMail - an API for generating disposable e-mails.

1.1 Installing

This library is available in PyPI, and you can get it by pip using the following command.:

```
py -m pip install -U malix-rin
```

Or you can clone the source code by git using the following command.:

```
git clone https://github.com/sunilswain/MalixMail
```

then go to same directory as MalixMail and run setup.py using this command.:

```
py setup.py install
```


2.1 malix package

2.1.1 Subpackages

malix.utils package

Submodules

malix.utils.Methods module

`malix.utils.Methods.delete_account` (*Id: str, token: str*)
Deletes the account resource.

`malix.utils.Methods.delete_message` (*Id: str, token: str*)
Deletes the message resource.

`malix.utils.Methods.download_message` (*Id: str, token: str, path: Optional[str] = None*)
Downloads the message.

`malix.utils.Methods.get_account` (*Id: str, token: str*)
Retrives the resource of an account.

`malix.utils.Methods.get_domain` (*Id: str*)
Retrives resource of a specific domain id.

`malix.utils.Methods.get_domain_collection` (*domains_only: bool = False*)
Retrives collection of domains.

`malix.utils.Methods.get_message` (*Id: str, token: str*)
Retrives the available messages for the respective source.

`malix.utils.Methods.get_message_collection` (*token: str*)
Retrives the collection resource.

`malix.utils.Methods.get_my_account` (*token: str*)
Retrives the resource for an logged in account.

`malix.utils.Methods.get_sources` (*Id: str, token: str*)
Returns the available sources for the respective Id.

`malix.utils.Methods.make_account` (*address: Optional[str] = None, password: Optional[str] = None*)
Creates a resource for an account.

`malix.utils.Methods.update_message` (*Id: str, token: str*)
Updates message resource.

malix.utils.attributes module

class `malix.utils.attributes.Account` (*data: dict*)

json
Formatted reponse(*str*).

response
Raw response(*dict*).

id
Id of the account.

adress
Adress of the account.

isDisabled
Tells whether the account is disabled or not.

isDeleted
Tells whether the account is deleted or not.

quota
Honestly, don't know.! may become useful in the future.

used
Tell how many times used.

createdAt
Tells when the account resource was created.

updatedAt
Tells when the account resource was updated.

class `malix.utils.attributes.Domain` (*data: dict*)

json
Formatted reponse(*str*).

response
Raw response(*dict*).

id
Id of the domain.

domain
domain of the *Domain* object.

isActive
Tells whether the domain is still active or not.

isPrivate
Tells whether the domain has been protected or not.

createdAt
Tells when the domain resource was created.

updatedAt

Tells when the domain resource was updated.

```
class malix.utils.attributes.Message (data: dict)
```

json

Formatted reponse(*str*).

response

Raw response(*dict*).

id

Id of the message.

accountId

Account id of the cleint.

From

Dictionary containing address and name of the sender.

To

Dictionary containing address and name(will be hidden) of the receiver.

CC

don't know `_()_`

BCC

don't know `_()_`

subject

subject of the message.

seen

True if seen is updated using `update_message`.

flagged

Tell whether the message has been flagged or not.

isDeleted

True if the message resource has been deleted.

verifications

verifications list.

retention

True if the message is still retained.

retentionDate

The date of retention.

text

Text of the message.

html

html of the message.

hasAttachments

True if the message contains attachments.

attachments

The attachments of the message.

size
size of the message in Bytes.

downloadUrl
The download url of the message.

createdAt
Tells when the message resource was created.

updatedAt
Tells when the message resource was updated.

class malix.utils.attributes.**Token** (*data: dict*)

id
Id of the account.

token
Token of the account.

json
Formatted reponse(*str*).

response
Raw response(*dict*).

malix.utils.exceptions module

exception malix.utils.exceptions.**AccessDenied** (**args*)
Bases: Exception

Raises when the client doesn't have the rights to perform some specific operations.

- **code: 403**

exception malix.utils.exceptions.**Error** (**args*)
Bases: Exception

Base class of Error.

exception malix.utils.exceptions.**InvalidCredentials** (**args*)
Bases: *malix.utils.exceptions.Error*

Raises when given credentials are invalid.

- **code: 401**

exception malix.utils.exceptions.**InvalidInput** (**args*)
Bases: *malix.utils.exceptions.Error*

Raises when either address or password is invalid.

- **code: 400**

exception malix.utils.exceptions.**NotAuthorized** (**args*)
Bases: Exception

Raises When the client isn't authorized.

- **code: 401**

exception `malix.utils.exceptions.ResourceNotFound(*args)`
 Bases: `malix.utils.exceptions.Error`

Raises when there is no account resource belongs the respective credentials.

- **code** : 404

exception `malix.utils.exceptions.UnprocessableEntity(*args)`
 Bases: `malix.utils.exceptions.Error`

Raises when no valid inputs are given.

- **code**: 422

malix.utils.headers module

class `malix.utils.headers.Header(token: Optional[str] = None)`
 Bases: `object`

Header class of MalixMail.

Parameters **token** – Token of the account.

Type `str`

header

- if `token` is `None`

```
{
    "Content-Type": "application/ld+json",
    "accept": "application/ld+json"
}
```

- if `token` is provided

```
{
    "Content-Type": "application/ld+json",
    "accept": "application/ld+json",
    "Authorization": "bearer"+token
}
```

malix.utils.jwtoken module

`malix.utils.jwtoken.get_token(address: Optional[str] = None, password: Optional[str] = None)`
 Returns a `Token` object for the given credentials.

Parameters

- **address** (`str`) – Address of the account.
- **password** (`str`) – Passowrd of the account.

Returns `Token` object

Raises `InvalidCredentials` – Raises when given credentials are invalid.

2.1.2 Submodules

malix.client module

class malix.client.**Client** (*address: str, password: str*)

Bases: object

Client class for MalixMail.

Parameters

- **address** (*str*) – Address of the account.
- **password** (*str*) – Password of the account.

Returns Client *Client* object.

delete_account (*Id: str*)

Deletes the account resource of the given account id.

Parameters **Id** (*str*) – Id of the account.

Returns **204** (*int*) - Successfully deleted.

Raises

- **NotAuthorized** – When the client isn't authorized.
- **ResourceNotFound** – When there is no account resource associated with the given account id.
- **AccessDenied** – When the client doesn't have the rights to perform some specific operations. When you don't have the rights to perform the specific operations.

delete_message (*Id: str*)

Deletes the message resource of the given message id.

Parameters **Id** (*str*) – Id of the message.

Returns **204** (*int*) - Successfully deleted.

Raises

- **NotAuthorized** – When the client isn't authorized.
- **ResourceNotFound** – When there is no message resource associated with the given message id.

download_message (*Id: str*)

Downloads the message.

Parameters **Id** (*str*) – Id of the message.

Returns **200** (*int*) - Successfully downloaded.

Raises

- **NotAuthorized** – When the client isn't authorized.
- **ResourceNotFound** – When there is no message resource associated with the given message id.

get_account (*Id: str*)

Returns an *Account* object for the given account id.

Parameters **Id** (*str*) – Id of the account.

Returns *Account* object.

Raises

- ***NotAuthorized*** – When the client isn't authorized.
- ***ResourceNotFound*** – When there is no account resource associated with the given account id.

get_message (*Id: str*)

Returns a *Message* object for the given message id.

Parameters **Id** (*str*) – Id of the account.

Returns *Message* object.

Raises

- ***NotAuthorized*** – When the client isn't authorized.
- ***ResourceNotFound*** – When there is no message resource associated with the given message id.

get_message_collection ()

Returns collections of messages.

Returns dict - dictionary of inbox messages.

Raises ***NotAuthorized*** – When the client isn't authorized.

get_my_account ()

Returns an *Account* object for the client.

Returns *Account* object.

Raises

- ***NotAuthorized*** – When the client isn't authorized.
- ***ResourceNotFound*** – When there is no account resource associated with the client's address.
- ***AccessDenied*** – When the client doesn't have the rights to perform some specific operations.

update_message (*Id: str*)

Updates seen status of the given message id.

Parameters **Id** (*str*) – Id of the account.

Returns **response** (*dict*) - Response of the patch request.

Raises

- ***NotAuthorized*** – When the client isn't authorized.
- ***ResourceNotFound*** – When there is no account resource associated with the given account id.
- ***InvalidInput*** – When no valid inputs are given.
- ***UnprocessableEntity*** – When no valid inputs are given.

malix.client.get_domain (*Id: str*)

Returns *Domain* object of the given Id.

Parameters **Id** (*str*) – Id of the domain.

Returns *Domain* object.

Raises *ResourceNotFound* – When there is no domain resource associated with the given domain id.

`malix.client.get_domain_collection(domains_only: bool = False)`

Returns collection of available domains.

Parameters `domains_only (bool)` – Set true if you want to get only the domains containing in a list.

Returns

- if `domains_only: bool = False`: dictionary of available domains with other responses.
- if `domains_only: bool = True`: list of available domains.

`malix.client.get_token(address: str, password: str)`

Returns a *Token* object for the given credentials.

Parameters

- **address** (*str*) – Address of the account.
- **password** (*str*) – Password of the account.

Returns *Token* object

Raises *InvalidCredentials* – Raises when given credentials are invalid.

`malix.client.make_account(address: str, password: str)`

Creates an account resource using the given credentials.

Parameters

- **address** (*str*) – Address of the account.
- **password** (*str*) – Password of the account.

Returns *Account* object.

Raises

- *InvalidInput* – When no valid inputs are given.
- *UnprocessableEntity* – When no valid inputs are given.

CHAPTER
THREE

CONTACT ME

mail - sunilswain5555@gmail.com

Join discord - [here](#).

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