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# **MalixMail**

***Release 0.0.2***

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# CONTENTS

<b>1</b>	<b>Intoduction</b>	<b>1</b>
1.1	Installing . . . . .	1
<b>2</b>	<b>malix</b>	<b>3</b>
2.1	malix package . . . . .	3
<b>3</b>	<b>contact me</b>	<b>11</b>
<b>4</b>	<b>Indices and tables</b>	<b>13</b>
	<b>Python Module Index</b>	<b>15</b>
	<b>Index</b>	<b>17</b>



## 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**  
Tells 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**

Tells 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*) – Passowrd 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.

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CHAPTER  
THREE

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CONTACT ME

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**Join discord** - [rintu#6624](#)





## INDICES AND TABLES

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



## PYTHON MODULE INDEX

### m

- `malix.client`, 8
- `malix.utils.attributes`, 4
- `malix.utils.exceptions`, 6
- `malix.utils.headers`, 7
- `malix.utils.jwtoken`, 7
- `malix.utils.Methods`, 3



## A

AccessDenied, 6  
 Account (class in malix.utils.attributes), 4  
 accountId (malix.utils.attributes.Message attribute), 5  
 adress (malix.utils.attributes.Account attribute), 4  
 attachments (malix.utils.attributes.Message attribute), 5

## B

BCC (malix.utils.attributes.Message attribute), 5

## C

CC (malix.utils.attributes.Message attribute), 5  
 Client (class in malix.client), 8  
 createdAt (malix.utils.attributes.Account attribute), 4  
 createdAt (malix.utils.attributes.Domain attribute), 4  
 createdAt (malix.utils.attributes.Message attribute), 6

## D

delete\_account () (in module malix.utils.Methods), 3  
 delete\_account () (malix.client.Client method), 8  
 delete\_message () (in module malix.utils.Methods), 3  
 delete\_message () (malix.client.Client method), 8  
 Domain (class in malix.utils.attributes), 4  
 domain (malix.utils.attributes.Domain attribute), 4  
 download\_message () (in module malix.utils.Methods), 3  
 download\_message () (malix.client.Client method), 8  
 downloadUrl (malix.utils.attributes.Message attribute), 6

## E

Error, 6

## F

flagged (malix.utils.attributes.Message attribute), 5  
 From (malix.utils.attributes.Message attribute), 5

## G

get\_account () (in module malix.utils.Methods), 3  
 get\_account () (malix.client.Client method), 8  
 get\_domain () (in module malix.client), 9  
 get\_domain () (in module malix.utils.Methods), 3  
 get\_domain\_collection () (in module malix.client), 10  
 get\_domain\_collection () (in module malix.utils.Methods), 3  
 get\_message () (in module malix.utils.Methods), 3  
 get\_message () (malix.client.Client method), 9  
 get\_message\_collection () (in module malix.utils.Methods), 3  
 get\_message\_collection () (malix.client.Client method), 9  
 get\_my\_account () (in module malix.utils.Methods), 3  
 get\_my\_account () (malix.client.Client method), 9  
 get\_sources () (in module malix.utils.Methods), 3  
 get\_token () (in module malix.client), 10  
 get\_token () (in module malix.utils.jwtoken), 7

## H

hasAttachments (malix.utils.attributes.Message attribute), 5  
 Header (class in malix.utils.headers), 7  
 html (malix.utils.attributes.Message attribute), 5

## I

id (malix.utils.attributes.Account attribute), 4  
 id (malix.utils.attributes.Domain attribute), 4  
 id (malix.utils.attributes.Message attribute), 5  
 id (malix.utils.attributes.Token attribute), 6  
 InvalidCredentials, 6  
 InvalidInput, 6  
 isActive (malix.utils.attributes.Domain attribute), 4  
 isDeleted (malix.utils.attributes.Account attribute), 4  
 isDeleted (malix.utils.attributes.Message attribute), 5  
 isDisabled (malix.utils.attributes.Account attribute), 4  
 isPrivate (malix.utils.attributes.Domain attribute), 4

## J

json (*malix.utils.attributes.Account attribute*), 4  
json (*malix.utils.attributes.Domain attribute*), 4  
json (*malix.utils.attributes.Message attribute*), 5  
json (*malix.utils.attributes.Token attribute*), 6

## M

make\_account () (*in module malix.client*), 10  
make\_account () (*in module malix.utils.Methods*), 3  
malix.client  
    module, 8  
malix.utils.attributes  
    module, 4  
malix.utils.exceptions  
    module, 6  
malix.utils.headers  
    module, 7  
malix.utils.jwtoken  
    module, 7  
malix.utils.Methods  
    module, 3  
Message (*class in malix.utils.attributes*), 5  
module  
    malix.client, 8  
    malix.utils.attributes, 4  
    malix.utils.exceptions, 6  
    malix.utils.headers, 7  
    malix.utils.jwtoken, 7  
    malix.utils.Methods, 3

## N

NotAuthorized, 6

## Q

quota (*malix.utils.attributes.Account attribute*), 4

## R

ResourceNotFound, 6  
response (*malix.utils.attributes.Account attribute*), 4  
response (*malix.utils.attributes.Domain attribute*), 4  
response (*malix.utils.attributes.Message attribute*), 5  
response (*malix.utils.attributes.Token attribute*), 6  
retention (*malix.utils.attributes.Message attribute*), 5  
retentionDate (*malix.utils.attributes.Message attribute*), 5

## S

seen (*malix.utils.attributes.Message attribute*), 5  
size (*malix.utils.attributes.Message attribute*), 5  
subject (*malix.utils.attributes.Message attribute*), 5

## T

text (*malix.utils.attributes.Message attribute*), 5

To (*malix.utils.attributes.Message attribute*), 5  
Token (*class in malix.utils.attributes*), 6  
token (*malix.utils.attributes.Token attribute*), 6

## U

UnprocessableEntity, 7  
update\_message () (*in module malix.utils.Methods*), 3  
update\_message () (*malix.client.Client method*), 9  
updatedAt (*malix.utils.attributes.Account attribute*), 4  
updatedAt (*malix.utils.attributes.Domain attribute*), 4  
updatedAt (*malix.utils.attributes.Message attribute*), 6  
used (*malix.utils.attributes.Account attribute*), 4

## V

verifications (*malix.utils.attributes.Message attribute*), 5