Emailicious's API Documentation

Release 1.0

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CHAPTER 1

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Topics

Introduction

Emailicious API exposes a collection of *resources* through an HTTP REST interface.

The API root is accessible at the `/api/v1` path of all existing Emailicious accounts:

```
https://<account>.emailicious.com/api/v1
```

Authentication

Accessing resources exposed through the API requires explicit authentication.

All requests must include an Authorization header in order to perform HTTP basic access authentication using an existing username and password as credentials.

```
GET /api/v1 HTTP/1.1
Host: account.emailicious.com
Authorization: Basic Zm9vOmJhcg==
```

Failing to provide valid credentials will result in an 401 Unauthorized response.

```
HTTP/1.1 401 UNAUTHORIZED
Content-Type: application/json
WWW-Authenticate: Basic realm="api"

{
    "detail": "Invalid username/password."
}
```

Note: Emailicious usernames contain the "@" character which is also used as the *credential* and *host* separator of an URI. Most HTTP clients make sure to percent-encode the *username* and *password* part but you might have to replace this character by *%40* if it's not the case.

For example, the cURL command line tool requires manual replacement:

```
curl https://user%40domain.com:password@account.emailicious.com/api/v1
```

Errors

Client errors

When an HTTP request to the API is malformed a response with a `4XX` status code is returned.

400 Bad Request

The request is invalid. If you attempted to modify or create a resource it's possible the request body contains invalid data (e.g. a required field is missing, an email field is invalid, ...). The response body should contain more details about the origins of the error.

401 Unauthorized

The provided credentials are invalid. Refer to the *authentication* section for troubleshooting.

404 Not Found

The specified resource doesn't exist or is not accessible anymore. You should make sure the specified URI is valid.

409 Conflict

The alteration of the specified resource is conflictual. More details should be available from the response body and a conflict resolution strategy should be detailed in the specified *resource* documentation.

Server errors

When Emailicious' servers cannot treat your request adequately a response with a `5XX` status code is returned. Such instances should be rare and intermittent and you should contact our support team if the problem persists.

500 Internal Server Error

Emailicious' servers encountered an undisclosed internal error processing your request and our engineers are working toward fixing the underlying issue. The response should contain an *X-Sentry-ID* header containing a UUID identifying your request that might be requested by Emailicious' support team.

Localization

Certain resources content is localized using content negotiation based on the Accept-Language header.

For example, the *`GET /api/v1/regions`* resource will return localized `name` if a language is specified through the aforementioned header.

Note: If the Accept-Language header is not provided the current locale will be determined from the *authenticated user* language if defined.

Resources

Lists & subscribers

Lists

`GET /api/v1/lists`

List of existing subscriber lists.

Response JSON Array of Objects

- **`id`** (*int*) – list's unique identifier
- **`create_datetime`** (*datetime*) – list's creation datetime
- **`create_user`** (*int*) – list's creation *user*'s unique identifier
- **`update_datetime`** (*datetime*) – list's last update datetime
- **`update_user`** (*int*) – list's last update *user*'s unique identifier
- **`name`** (*string*) – list's name
- **`default_from_name`** (*string*) – list's future mailings' default "from name"
- **`default_from_email`** (*email*) – list's future mailings' default "from email"
- **`default_replyto_email`** (*email*) – list's the future mailings' default "reply to email"
- **`default_language`** (*string*) – list's default *language*
- **`languages`** (*array*) – list's allowed *languages*

Request:

```
GET /api/v1/lists HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, HEAD, OPTIONS
Content-Type: application/json

{
    "count": 1,
    "next": null,
    "previous": null,
    "results": [
        {
            "id": 1,
            "create_datetime": "2014-01-09T13:51:11.516441Z",
            "create_user": 1,
            "update_datetime": "2014-01-09T13:51:11.516481Z",
            "update_user": 1,
            "name": "Default",
            "default_from_name": "Emailicious",
            "default_from_email": "noreply@emailicious.com",
            "default_replyto_email": "info@emailicious.com",
            "default_language": "en",
            "languages": [
                "en",
                "fr"
            ]
        }
    ]
}
```

POST /api/v1/lists

Create a new subscriber list.

Request JSON Object

- **name** (*string*) – list’s name
- **default_from_name** (*string*) – list’s future mailings’ default “from name”
- **default_from_email** (*email*) – list’s future mailings’ default “from email”
- **default_replyto_email** (*email*) – list’s the future mailings’ default “reply to email”
- **default_language** (*string*) – list’s default *language*
- **languages** (*array*) – list’s allowed *languages*

Response JSON Object

- **id** (*int*) – list’s unique identifier
- **create_datetime** (*datetime*) – list’s creation datetime
- **create_user** (*int*) – list’s creation *user*‘s unique identifier
- **update_datetime** (*datetime*) – list’s last update datetime
- **update_user** (*int*) – list’s last update *user*‘s unique identifier
- **name** (*string*) – list’s name
- **default_from_name** (*string*) – list’s future mailings’ default “from name”
- **default_from_email** (*email*) – list’s future mailings’ default “from email”
- **default_replyto_email** (*email*) – list’s the future mailings’ default “reply to email”
- **default_language** (*string*) – list’s default *language*
- **languages** (*array*) – list’s allowed *languages*

Status Codes

- 201 Created – list created
- 400 Bad Request – invalid subscriber list data

Request:

```
POST /api/v1/lists HTTP/1.1
Host: account.emailicious.com
Accept: application/json
Content-Type: application/json

{
    "name": "Default",
    "default_from_name": "Emailicious",
    "default_from_email": "noreply@emailicious.com",
    "default_replyto_email": "info@emailicious.com",
    "default_language": "en",
    "languages": [
        "en",
        "fr"
    ]
}
```

Response:

```
HTTP/1.1 201 CREATED
Vary: Accept
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json

{
    "id": 1,
    "create_datetime": "2013-02-26T17:10:21.150Z",
    "create_user": 1,
    "update_datetime": "2013-02-26T17:10:21.150Z",
    "update_user": 1,
    "name": "Default",
    "default_from_name": "Emailicious",
    "default_from_email": "noreply@emailicious.com",
    "default_replyto_email": "info@emailicious.com",
    "default_language": "en",
    "languages": [
        "en",
        "fr"
    ]
}
```

GET /api/v1/lists/(**int:** *id*)

Details of the subscriber list matching the specified `id`.

Parameters

- **`id`** (*int*) – list's unique identifier

Response JSON Object

- **`id`** (*int*) – list's unique identifier
- **`create_datetime`** (*datetime*) – list's creation datetime
- **`create_user`** (*int*) – list's creation *user*'s unique identifier
- **`update_datetime`** (*datetime*) – list's last update datetime
- **`update_user`** (*int*) – list's last update *user*'s unique identifier
- **`name`** (*string*) – list's name
- **`default_from_name`** (*string*) – list's future mailings' default "from name"
- **`default_from_email`** (*email*) – list's future mailings' default "from email"
- **`default_replyto_email`** (*email*) – list's the future mailings' default "reply to email"
- **`default_language`** (*string*) – list's default *language*
- **`languages`** (*array*) – list's allowed *languages*

Request:

```
GET /api/v1/lists/1 HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, PUT, DELETE, HEAD, OPTIONS, PATCH
Content-Type: application/json

{
    "id": 1,
    "create_datetime": "2014-01-09T13:51:11.516441Z",
    "create_user": 1,
    "update_datetime": "2014-01-09T13:51:11.516481Z",
    "update_user": 1,
    "name": "Default",
    "default_from_name": "Emailicious",
    "default_from_email": "noreply@emailicious.com",
    "default_replyto_email": "info@emailicious.com",
    "default_language": "en",
    "languages": [
        "en",
        "fr"
    ]
}
```

Status Codes

- 404 Not Found – no subscriber list match the specified `id`

PUT /api/v1/lists/(**int:** *id*)

Alter the subscriber list matching the specified `id`.

Parameters

- **id** (*int*) – list's unique identifier

Request JSON Object

- **name** (*string*) – list's name
- **default_from_name** (*string*) – list's future mailings' default "from name"
- **default_from_email** (*email*) – list's future mailings' default "from email"
- **default_replyto_email** (*email*) – list's the future mailings' default "reply to email"
- **default_language** (*string*) – list's default *language*
- **languages** (*array*) – list's allowed *languages*

Response JSON Object

- **id** (*int*) – list's unique identifier
- **create_datetime** (*datetime*) – list's creation datetime
- **create_user** (*int*) – list's creation *user*'s unique identifier
- **update_datetime** (*datetime*) – list's last update datetime
- **update_user** (*int*) – list's last update *user*'s unique identifier

- **name** (*string*) – list's name
- **default_from_name** (*string*) – list's future mailings' default "from name"
- **default_from_email** (*email*) – list's future mailings' default "from email"
- **default_replyto_email** (*email*) – list's the future mailings' default "reply to email"
- **default_language** (*string*) – list's default *language*
- **languages** (*array*) – list's allowed *languages*

Request:

```
PUT /api/v1/lists/1 HTTP/1.1
Host: account.emailicious.com
Accept: application/json
Content-Type: application/json

{
    "name": "Altered name",
    "default_from_name": "Emailicious",
    "default_from_email": "noreply@emailicious.com",
    "default_replyto_email": "info@emailicious.com",
    "default_language": "en",
    "languages": [
        "en",
    ]
}
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, PUT, DELETE, HEAD, OPTIONS, PATCH
Content-Type: application/json

{
    "id": 1,
    "create_datetime": "2014-01-09T13:51:11.516441Z",
    "create_user": 1,
    "update_datetime": "2015-01-09T13:51:11.516481Z",
    "update_user": 1,
    "name": "Altered name",
    "default_from_name": "Emailicious",
    "default_from_email": "noreply@emailicious.com",
    "default_replyto_email": "info@emailicious.com",
    "default_language": "en",
    "languages": [
        "en",
    ]
}
```

Status Codes

- 400 Bad Request – invalid subscriber list data
- 404 Not Found – no subscriber list match the specified `id`

PATCH /api/v1/lists/(int: *id*)

Partially alter the subscriber list matching the specified `id`.

Parameters

- **id** (*int*) – list's unique identifier

Request JSON Object

- **name** (*string*) – list's name
- **default_from_name** (*string*) – list's future mailings' default "from name"
- **default_from_email** (*email*) – list's future mailings' default "from email"
- **default_replyto_email** (*email*) – list's the future mailings' default "reply to email"
- **default_language** (*string*) – list's default *language*
- **languages** (*array*) – list's allowed *languages*

Response JSON Object

- **id** (*int*) – list's unique identifier
- **create_datetime** (*datetime*) – list's creation datetime
- **create_user** (*int*) – list's creation *user*'s unique identifier
- **update_datetime** (*datetime*) – list's last update datetime
- **update_user** (*int*) – list's last update *user*'s unique identifier
- **name** (*string*) – list's name
- **default_from_name** (*string*) – list's future mailings' default "from name"
- **default_from_email** (*email*) – list's future mailings' default "from email"
- **default_replyto_email** (*email*) – list's the future mailings' default "reply to email"
- **default_language** (*string*) – list's default *language*
- **languages** (*array*) – list's allowed *languages*

Request:

```
PATCH /api/v1/lists/1 HTTP/1.1
Host: account.emailicious.com
Accept: application/json
Content-Type: application/json

{
    "default_from_name": "From emailicious",
}
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, PUT, DELETE, HEAD, OPTIONS, PATCH
Content-Type: application/json

{
    "id": 1,
    "create_datetime": "2014-01-09T13:51:11.516441Z",
    "create_user": 1,
    "update_datetime": "2015-01-09T13:51:11.516481Z",
    "update_user": 1,
    "name": "Default",
    "default_from_name": "From emailicious",
    "default_from_email": "noreply@emailicious.com",
    "default_replyto_email": "info@emailicious.com",
    "default_language": "en",
    "languages": [
        "en",
        "fr"
    ]
}
```

Status Codes

- 400 Bad Request – invalid subscriber list data
- 404 Not Found – no subscriber list match the specified `id`

DELETE /api/v1/lists/(int: *id*)

Delete the subscriber list matching the specified `id`.

Parameters

- **id** (*int*) – list's unique identifier

> **Warning:** Deleting a subscriber list will also irreversibly delete all associated mailings and statistics.

Request:

```
DELETE /api/v1/lists/1 HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 204 NO CONTENT
Vary: Accept
Allow: GET, PUT, DELETE, HEAD, OPTIONS, PATCH
```

Status Codes

- 204 No Content – the subscriber list was deleted successfully
- 404 Not Found – no subscriber list match the specified `id`

Subscribers

GET /api/v1/lists/(int: *list_id*)/subscribers

Subscribers of the list matching the specified `list_id`.

Parameters

- **list_id** (*int*) – list's unique identifier

Query Parameters

- **subscription** – filter results by `subscription` status, valid values are `active`, `pending`, `bounced`, `unsubscribed` and `deleted`
- **email** – filter results by `email`

Response JSON Array of Objects

- **id** (*int*) – subscriber's unique identifier
- **create_datetime** (*datetime*) – subscriber's creation datetime
- **create_user** (*int*) – subscriber's creation *user*'s unique identifier
- **update_datetime** (*datetime*) – subscriber's last update datetime
- **update_user** (*int*) – subscriber's last update *user*'s unique identifier
- **subscription** (*string*) – subscriber's subscription status
- **email** (*email*) – subscriber's email
- **first_name** (*string*) – subscriber's first name
- **last_name** (*string*) – subscriber's last name
- **gender** (*string*) – subscriber's gender
- **date_of_birth** (*date*) – subscriber's date of birth
- **language** (*string*) – subscriber's *language*
- **region** (*string*) – subscriber's *region*

Note: Custom shared and list fields should also be part of the subscriber objects. The exact structure of the list can be retrieved by *introspecting* the resource.

Request:

```
GET /api/v1/lists/1/subscribers HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json

{
    "count": 3,
    "next": null,
    "previous": null,
    "results": [
        {
            "id": 1,
            "create_datetime": "2014-01-09T13:51:50.549536Z",
            "create_user": 1,
            "update_datetime": "2015-10-08T12:32:59.330455Z",
            "update_user": 1,
            "subscription": "active",
            "email": "active@example.com",
            "first_name": "Sergio",
            "last_name": "Leone",
            "gender": "m",
            "date_of_birth": "1929-01-03",
            "language": "it",
            "region": "IT-RM"
        },
        {
            "id": 2,
            "create_datetime": "2014-01-09T13:51:50.549536Z",
            "create_user": 1,
            "update_datetime": "2015-10-08T12:32:59.330455Z",
            "update_user": 1,
            "subscription": "bounced",
            "email": "bounced@example.com",
            "first_name": "Ennio",
            "last_name": "Morricone",
            "gender": "m",
            "date_of_birth": "1928-11-10",
            "language": "it",
            "region": "IT-RM"
        },
        {
            "id": 3,
            "create_datetime": "2014-01-09T13:51:50.549536Z",
            "create_user": 1,
            "update_datetime": "2015-10-08T12:32:59.330455Z",
            "update_user": 1,
            "subscription": "deleted",
            "email": "deleted@example.com",
            "first_name": "Clint",
            "last_name": "Eastwood",
            "gender": "m",
            "date_of_birth": "1930-05-31",
            "language": "en",
            "region": "US-CA"
        }
    ]
}
```

Status Codes

- 404 Not Found – no subscriber list match the specified `list_id`

POST /api/v1/lists/(**int:** *list_id*)**/subscribers**

Create subscriber for the list matching the specified `list_id`.

Parameters

- **list_id** (*int*) – list's unique identifier

Request JSON Object

- **email** (*email*) – subscriber's email
- **first_name** (*string*) – subscriber's first name
- **last_name** (*string*) – subscriber's last name
- **gender** (*string*) – subscriber's gender
- **date_of_birth** (*date*) – subscriber's date of birth
- **language** (*string*) – subscriber's *language*
- **region** (*string*) – subscriber's *region*

Note: Custom shared and list fields can also be specified as parameters. The exact structure of the list can be retrieved by *introspecting* the resource.

Response JSON Object

- **id** (*int*) – subscriber's unique identifier
- **create_datetime** (*datetime*) – subscriber's creation datetime
- **create_user** (*int*) – subscriber's creation *user*'s unique identifier
- **update_datetime** (*datetime*) – subscriber's last update datetime
- **update_user** (*int*) – subscriber's last update *user*'s unique identifier
- **subscription** (*string*) – subscriber's subscription status
- **email** (*email*) – subscriber's email
- **first_name** (*string*) – subscriber's first name
- **last_name** (*string*) – subscriber's last name
- **gender** (*string*) – subscriber's gender
- **date_of_birth** (*date*) – subscriber's date of birth
- **language** (*string*) – subscriber's *language*
- **region** (*string*) – subscriber's *region*

Request:

```
POST /api/v1/lists/1/subscribers HTTP/1.1
Host: account.emailicious.com
Accept: application/json
Content-Type: application/json

{
    "email": "test@example.com",
    "first_name": "Dolly",
    "last_name": "Parton",
    "gender": "f",
    "date_of_birth": "1946-01-19",
    "language": "en",
    "region": "US-TN"
}
```

Response:

```
HTTP/1.1 201 CREATED
Vary: Accept
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json

{
    "id": 1,
    "create_datetime": "2015-11-27T22:14:36.590658Z",
    "create_user": 1,
    "update_datetime": "2015-11-27T22:14:36.590711Z",
    "update_user": 1,
    "subscription": "active",
    "email": "test@example.com",
    "first_name": "Dolly",
    "last_name": "Parton",
    "gender": "f",
    "date_of_birth": "1946-01-19",
    "language": "en",
    "region": "US-TN"
}
```

Status Codes

- 201 Created – the subscriber was created successfully
- 400 Bad Request – invalid subscriber data
- 404 Not Found – no subscriber list match the specified `list_id`
- 409 Conflict – a subscriber with the specified `email` *already exists in this list*.

Dealing with 409 Conflict

When a list already contains a subscriber with the specified `email` the conflicting subscriber will be returned in the body of a 409 Conflict response.

```
HTTP/1.1 409 CONFLICT
Vary: Accept
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json

{
    "id": 2,
    "create_datetime": "2015-11-27T22:14:36.590658Z",
    "create_user": 1,
    "update_datetime": "2015-11-27T22:14:36.590711Z",
    "update_user": 1,
    "subscription": "active",
    "email": "conflict@example.com",
    "first_name": "Dolly",
    "last_name": "Parton",
    "gender": "f",
    "date_of_birth": "1946-01-19",
    "language": "en",
    "region": "US-TN"
}
```

At this point your application should either notify the user behind the request that this `email` is already subscribed or proceed to *update the conflicting subscriber* given you authenticated the user as the owner of the specified `email` address.

Note that that a conflict may occur even if the subscriber previously unsubscribed or was deleted from the specified list. You might want to take different action based on the returned `subscription` status and your application's business logic such as *confirming the re-activation*.

`OPTIONS /api/v1/lists/`(int: *list_id*)`/subscribers`

Introspection details of the subscribers resource.

Parameters

- **`list_id`** (*int*) – list's unique identifier

Request:

```
OPTIONS /api/v1/lists/1/subscribers HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json

{
    "name": "Subscriber List",
    "renders": [
        "application/json",
        "text/html"
    ],
    "parses": [
        "application/json",
        "application/x-www-form-urlencoded",
        "multipart/form-data"
    ],
    "actions": {
        "POST": {
            "id": {
                "type": "integer",
                "required": false,
                "read_only": true,
                "label": "ID"
            },
            "create_datetime": {
                "type": "datetime",
                "required": false,
                "read_only": true,
                "label": "Create datetime"
            },
            "create_user": {
                "type": "field",
                "required": false,
                "read_only": true,
                "label": "Create user"
            },
            "update_datetime": {
                "type": "datetime",
                "required": false,
                "read_only": true,
                "label": "Update datetime"
            },
            "update_user": {
                "type": "field",
                "required": false,
                "read_only": true,
                "label": "Update user"
            },
            "subscription": {
                "type": "field",
                "required": false,
                "read_only": true,
                "label": "Subscription"
            },
            "email": {
                "type": "email",
                "required": true,
                "read_only": false,
                "label": "Email",
                "max_length": 254
            },
            "first_name": {
                "type": "string",
                "required": false,
                "read_only": false,
                "label": "First name",
                "max_length": 100
            },
            "last_name": {
                "type": "string",
                "required": false,
                "read_only": false,
                "label": "Last name",
                "max_length": 100
            },
            "gender": {
                "type": "choice",
                "required": false,
                "read_only": false,
                "label": "Gender",
                "choices": [
                    {
                        "display_name": "Unknown",
                        "value": ""
                    },
                    {
                        "display_name": "Male",
                        "value": "m"
                    },
                    {
                        "display_name": "Female",
                        "value": "f"
                    }
                ]
            },
            "date_of_birth": {
                "type": "date",
                "required": false,
                "read_only": false,
                "label": "Date of birth"
            },
            "language": {
                "type": "field",
                "required": false,
                "read_only": false,
                "label": "Language",
                "help_text": "ISO-639-1 language code."
            },
            "region": {
                "type": "field",
                "required": false,
                "read_only": false,
                "label": "Region",
                "help_text": "ISO-3166-1 country or ISO-3166-2 region code."
            }
        }
    }
}
```

Custom fields introspection

You can use the `actions.POST` details to retrieve the name and type of custom fields from the specified `list_id` structure.

Status Codes

- 404 Not Found – no subscriber list match the specified `list_id`

GET **`/api/v1/lists/`**(**int:** *list_id*)**`/subscribers/`**
int: *id* Details of the subscriber matching the specified `list_id` and `id`.

Parameters

- **`list_id`** (*int*) – list's unique identifier
- **`id`** (*int*) – subscriber's unique identifier

Response JSON Object

- **`id`** (*int*) – subscriber's unique identifier
- **`create_datetime`** (*datetime*) – subscriber's creation datetime
- **`create_user`** (*int*) – subscriber's creation *user*'s unique identifier
- **`update_datetime`** (*datetime*) – subscriber's last update datetime
- **`update_user`** (*int*) – subscriber's last update *user*'s unique identifier
- **`subscription`** (*string*) – subscriber's subscription status
- **`email`** (*email*) – subscriber's email
- **`first_name`** (*string*) – subscriber's first name
- **`last_name`** (*string*) – subscriber's last name
- **`gender`** (*string*) – subscriber's gender
- **`date_of_birth`** (*date*) – subscriber's date of birth
- **`language`** (*string*) – subscriber's *language*
- **`region`** (*string*) – subscriber's *region*

Note: Custom shared and list fields should also be part of the subscriber object. The exact structure of the list can be retrieved by *introspecting* the resource.

Request:

```
GET /api/v1/lists/1/subscribers/1 HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Content-Type: application/json

{
    "id": 1,
    "create_datetime": "2015-11-27T22:14:36.590658Z",
    "create_user": 1,
    "update_datetime": "2015-11-28T22:14:36.590711Z",
    "update_user": 1,
    "subscription": "active",
    "email": "test@example.com",
    "first_name": "Dolly",
    "last_name": "Parton",
    "gender": "f",
    "date_of_birth": "1946-01-19",
    "language": "en",
    "region": "US-TN"
}
```

Status Codes

- 404 Not Found – no subscriber match the specified `list_id` and `id`

PUT `/api/v1/lists/`(int: *list_id*)**`/subscribers/`**
int: *id* Alter the subscriber matching the specified `id` and `list_id`.

Parameters

- **`list_id`** (*int*) – list's unique identifier
- **`id`** (*int*) – subscriber's unique identifier

Request JSON Object

- **`email`** (*email*) – subscriber's email
- **`first_name`** (*string*) – subscriber's first name
- **`last_name`** (*string*) – subscriber's last name
- **`gender`** (*string*) – subscriber's gender
- **`date_of_birth`** (*date*) – subscriber's date of birth
- **`language`** (*string*) – subscriber's *language*
- **`region`** (*string*) – subscriber's *region*

Note: Custom shared and list fields can also be specified as parameters. The exact structure of the list can be retrieved by *introspecting* the resource.

Response JSON Object

- **`id`** (*int*) – subscriber's unique identifier
- **`create_datetime`** (*datetime*) – subscriber's creation datetime
- **`create_user`** (*int*) – subscriber's creation *user*'s unique identifier

- **update_datetime** (*datetime*) – subscriber's last update datetime
- **update_user** (*int*) – subscriber's last update *user*'s unique identifier
- **subscription** (*string*) – subscriber's subscription status
- **email** (*email*) – subscriber's email
- **first_name** (*string*) – subscriber's first name
- **last_name** (*string*) – subscriber's last name
- **gender** (*string*) – subscriber's gender
- **date_of_birth** (*date*) – subscriber's date of birth
- **language** (*string*) – subscriber's *language*
- **region** (*string*) – subscriber's *region*

Request:

```
POST /api/v1/lists/1/subscribers/1 HTTP/1.1
Host: account.emailicious.com
Accept: application/json
Content-Type: application/json

{
    "email": "test@example.com",
    "first_name": "Altered Dolly",
    "last_name": "Parton",
    "gender": "f",
    "date_of_birth": "1946-01-19",
    "language": "en",
    "region": "US-TN"
}
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Content-Type: application/json

{
    "id": 1,
    "create_datetime": "2015-11-27T22:14:36.590658Z",
    "create_user": 1,
    "update_datetime": "2015-11-28T22:14:36.590711Z",
    "update_user": 1,
    "subscription": "active",
    "email": "test@example.com",
    "first_name": "Altered Dolly",
    "last_name": "Parton",
    "gender": "f",
    "date_of_birth": "1946-01-19",
    "language": "en",
    "region": "US-TN"
}
```

Status Codes

- 400 Bad Request – invalid subscriber data
- 404 Not Found – no subscriber match the specified `list_id` and `id`
- 409 Conflict – a subscriber with the specified `email` *already exists in this list*.

`PATCH /api/v1/lists/`(int: *list_id*) **`/subscribers/`**
int: *id* Partially alter the subscriber matching the specified `id` and `list_id`.

Parameters

- **`list_id`** (*int*) – list's unique identifier
- **`id`** (*int*) – subscriber's unique identifier

Request JSON Object

- **`email`** (*email*) – subscriber's email
- **`first_name`** (*string*) – subscriber's first name
- **`last_name`** (*string*) – subscriber's last name
- **`gender`** (*string*) – subscriber's gender
- **`date_of_birth`** (*date*) – subscriber's date of birth
- **`language`** (*string*) – subscriber's *language*
- **`region`** (*string*) – subscriber's *region*

Note: Custom shared and list fields can also be specified as parameters. The exact structure of the list can be retrieved by *introspecting* the resource.

Response JSON Object

- **`id`** (*int*) – subscriber's unique identifier
- **`create_datetime`** (*datetime*) – subscriber's creation datetime
- **`create_user`** (*int*) – subscriber's creation *user*'s unique identifier
- **`update_datetime`** (*datetime*) – subscriber's last update datetime
- **`update_user`** (*int*) – subscriber's last update *user*'s unique identifier
- **`subscription`** (*string*) – subscriber's subscription status
- **`email`** (*email*) – subscriber's email
- **`first_name`** (*string*) – subscriber's first name
- **`last_name`** (*string*) – subscriber's last name
- **`gender`** (*string*) – subscriber's gender
- **`date_of_birth`** (*date*) – subscriber's date of birth
- **`language`** (*string*) – subscriber's *language*
- **`region`** (*string*) – subscriber's *region*

Request:

```
PATH /api/v1/lists/1/subscribers/1 HTTP/1.1
Host: account.emailicious.com
Accept: application/json
Content-Type: application/json

{
    "first_name": "Altered Dolly",
}
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Content-Type: application/json

{
    "id": 1,
    "create_datetime": "2015-11-27T22:14:36.590658Z",
    "create_user": 1,
    "update_datetime": "2015-11-28T22:14:36.590711Z",
    "update_user": 1,
    "subscription": "active",
    "email": "test@example.com",
    "first_name": "Altered Dolly",
    "last_name": "Parton",
    "gender": "f",
    "date_of_birth": "1946-01-19",
    "language": "en",
    "region": "US-TN"
}
```

Status Codes

- 400 Bad Request – invalid subscriber data
- 404 Not Found – no subscriber match the specified `list_id` and `id`
- 409 Conflict – a subscriber with the specified `email` *already exists in this list*.

`DELETE /api/v1/lists/`(**int:** *list_id*)**`/subscribers/`**

int: *id* Change the `subscription` status of the subscriber matching the provided `id` and `list_id` to `deleted`.

Parameters

- **`list_id`** (*int*) – list's unique identifier
- **`id`** (*int*) – subscriber's unique identifier

Request:

```
DELETE /api/v1/lists/1/subscribers/1 HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 204 NO CONTENT
Vary: Accept
Allow: GET, PUT, DELETE, HEAD, OPTIONS, PATCH
```

Status Codes

- 204 No Content – the subscriber was deleted successfully
- 404 Not Found – no subscriber match the specified `list_id` and `id`

`POST /api/v1/lists/`(int: *list_id*)`/subscribers/`
int: *id*`/activate` Change the `subscription` status of the subscriber matching the provided `id` and `list_id` to either `pending` or `active` depending on the list's subscription process and the value of the `confirm` parameter.

Parameters

- **`list_id`** (*int*) – list's unique identifier
- **`id`** (*int*) – subscriber's unique identifier

Request JSON Object

- **`confirm`** (*boolean*) – whether or not to force or disable activation confirmation

Response JSON Object

- **`status`** (*string*) – the subscriber's subscription status

```
POST /api/v1/lists/1/subscribers/1/activate HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

```
HTTP/1.1 200 OK
Vary: Accept
Allow: POST, OPTIONS
Content-Type: application/json

{
    "status": "active"
}
```

Status Codes

- 400 Bad Request – the subscription activation cannot be confirmed since not opt-in process is configured for the specified list.
- 404 Not Found – no subscriber match the specified `list_id` and `id`

`POST /api/v1/lists/`(int: *list_id*)`/subscribers/`
int: *id*`/unsubscribe` Change the `subscription` status of the subscriber matching the provided `id` and `list_id` to `unsubscribed`.

Parameters

- **`list_id`** (*int*) – list's unique identifier
- **`id`** (*int*) – subscriber's unique identifier

Response JSON Object

- **`status`** (*string*) – the subscriber's subscription status

```
POST /api/v1/lists/1/subscribers/1/unsubscribe HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

```
HTTP/1.1 200 OK
Vary: Accept
Allow: POST, OPTIONS
Content-Type: application/json

{
    "status": "unsubscribed"
}
```

Status Codes

- 404 Not Found – no subscriber match the specified `list_id` and `id`

Imports

POST /api/v1/lists/(**int:** *list_id*)**/imports**

Import an uploaded CSV as subscribers of the specified list.

Parameters

- **`list_id`** (*int*) – list's unique identifier

Form Parameters

- **`file`** – the CSV subscriber file
- **`encoding`** – the file encoding, detected automatically if not specified
- **`delimiter`** – column delimiter, detected automatically if not specified
- **`has_header`** – whether or not the file has an header, detected automatically if not specified
- **`ignore_invalid_fields`** – whether or not rows with invalid fields should be considered or not
- **`date_format`** – the strptime format used to express dates
- **`fields`** – array mapping column indexes to fields

If the `fields` parameter is not specified the `file` must start with an header row mapping the file columns to the subscriber list fields and the `has_header` parameter must be set to `true`.

Table 1.1: subscribers.csv

email	first_name	gender	language
alice@domain.com	Alice	f	fr
bob@example.com	Bob	m	en

Request:

```
POST /api/v1/lists/1/imports HTTP/1.1
Host: account.emailicious.com
Accept: application/json
Content-Type: multipart/form-data; boundary=------------------------aefc77a7a0e120e9
```

Response:

```
HTTP/1.1 201 CREATED
Vary: Accept
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json
```

```
{
    "id": 1,
    "file": "subscribers.csv",
    "encoding": "utf-8",
    "delimiter": ",",
    "has_header": true,
    "ignore_invalid_fields": true,
    "date_format": "%d-%m-%Y",
    "fields": [
        "email",
        "first_name",
        "gender",
        "language"
    ]
}
```

Status Codes

- 201 Created – the import was created successfully
- 400 Bad Request – invalid import data
- 404 Not Found – no subscriber list match the specified `list_id`

Mailings

Mailings

GET /api/v1/mailings

List of existing mailings.

Query Parameters

- **list** – filter results by *list*'s unique identifier

Response JSON Array of Objects

- **id** (*int*) – mailing's unique identifier
- **name** (*string*) – mailing's unique name
- **campaign** (*int*) – mailing's campaign unique identifier

Request:

```
GET /api/v1/mailings HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json

{
    "count": 3,
    "next": null,
    "previous": null,
    "results": [
        {
            "id": 1,
            "name": "First mailing",
            "campaign": null
        },
        {
            "id": 2,
            "name": "Mailing with campaign",
            "campaign": 1
        },
        {
            "id": 3,
            "name": "Third mailing",
            "campaign": null
        }
    ]
}
```

`POST /api/v1/mailings`

Create a new mailing with variants and deliveries.

Request JSON Object

- **`list`** (*int*) – *list*‘s unique identifier
- **`name`** (*string*) – mailing’s unique name
- **`campaign`** (*int*) – campaign’s unique identifier
- **`segments`** (*array*) – segment unique identifiers
- **`variants`** (*array*) – variants
- **`variants.language`** (*array*) – variant’s *language*
- **`variants.from_name`** (*string*) – variant’s from name (defaults to *list* `default_from_name`)
- **`variants.from_email`** (*string*) – variant’s from email (defaults to *list* `default_from_email`)
- **`variants.replyto_email`** (*string*) – variant’s reply-to email (defaults to *list* `default_replyto_email`)
- **`variants.subject`** (*string*) – variant’s subject
- **`variants.layout.text`** (*string*) – variant’s layout text
- **`variants.layout.zip_file`** (*string*) – data URI encoded Zip variant’s layout.
- **`variants.deliveries`** (*array*) – deliveries
- **`variants.deliveries.scheduled_datetime`** (*string*) – scheduled datetime of the delivery

Note: In order to allow files to be submitted through a request with an `application/json` content type files must be data URI encoded.

The `variants.layout.zip_file` expects the submitted file to be a Zip archive containing the following files:

1.An `index.html` file representing the content of your layout.

2. Optional image files (.jpg, .png, .gif) located in a images directory. These images should be referenced relatively from the index.html file to be imported appropriately.

Here's an example of how you can generate a valid layout payload using Python:

```
import StringIO
import zipfile

html = """<!DOCTYPE html>
<html>
    <body>
        Hello World!
        <img src="images/planet.png" />
    </body>
</html>"""

buffer = StringIO.StringIO()
with zipfile.ZipFile(buffer, mode='w') as archive:
    archive.writestr('index.html', html)
    archive.write('/path/to/planet.png', 'images/planet.png')

# URI encode the Zip file.
layout = 'data:application/zip;charset=utf-8;base64,%s' % (
    buffer.getvalue().encode('base64'),
)
```

Request:

```
POST /api/v1/mailings HTTP/1.1
Host: account.emailicious.com
Accept: application/json
Content-Type: application/json

{
    "list": 1,
    "name": "Mailing",
    "variants": [
        {
            "subject": "Hello World!",
            "layout": {
                "zip_file": "data:application/zip;charset=utf-8;base64,..."
            },
            "deliveries": [
                {
                    "scheduled_datetime": "2017-05-15T19:30:33Z"
                }
            ]
        }
    ]
}
```

Response:

```
HTTP/1.1 201 Created
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

{
    "id": 1,
    "name": "Mailing",
    "list": 1,
    "campaign": null,
    "segments": [],
    "variants": [
        {
            "from_name": "List default from name",
            "from_email": "list@default.from.email",
            "replyto_email": "",
            "subject": "Hello World!",
            "deliveries": [
                {
                    "exclusions": [],
                    "limit": null,
                    "scheduled_datetime": "2017-05-15T19:30:33Z"
                }
            ],
            "language": null,
            "layout": {
                "id": 1,
                "source": "<!DOCTYPE html>\n<html>\n<body>...</body>\n</html>"
            }
        }
    ]
}
```

Statistics

Statistics

GET /api/v1/statistics/opens

List all opens statistics

Query Parameters

- **campaign** (*int*) – filter results by campaign's unique identifier
- **mailing** (*int*) – filter results by *mailing*'s unique identifier
- **unique** (*boolean*) – aggregate the opens by delivery
- **date** (*date*) – filter results by date
- **from_datetime** (*datetime*) – filter out results with a more recent datetime
- **to_datetime** (*datetime*) – filter out results with a less recent datetime

Response JSON Object

- **mailing** (*int*) – the open's mailing
- **email** (*email*) – the open's email
- **datetime** (*datetime*) – the open's datetime

Request:

```
GET /api/v1/statistics/opens HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, HEAD, OPTIONS
Content-Type: application/json

{
    "count": 1,
    "next": null,
    "previous": null,
    "results": [
        {
            "mailing": 1,
            "email": "foo@bar.org",
            "datetime": "2014-06-06T20:56:57Z"
        }
    ]
}
```

GET /api/v1/statistics/clicks

List all clicks statistics

Query Parameters

- **campaign** (*int*) – filter results by campaign's unique identifier
- **mailing** (*int*) – filter results by *mailing*'s unique identifier
- **unique** (*boolean*) – aggregate the clicks by delivery
- **date** (*date*) – filter results by date
- **from_datetime** (*datetime*) – filter out results with a more recent datetime
- **to_datetime** (*datetime*) – filter out results with a less recent datetime
- **url** (*url*) – filter results by link URL

Response JSON Object

- **mailing** (*int*) – the click's mailing
- **email** (*email*) – the click's email
- **datetime** (*datetime*) – the click's datetime
- **url** (*url*) – the click's link URL

Request:

```
GET /api/v1/statistics/clicks HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, HEAD, OPTIONS
Content-Type: application/json

{
    "count": 1,
    "next": null,
    "previous": null,
    "results": [
        {
            "mailing": 1,
            "email": "foo@bar.org",
            "datetime": "2014-06-06T20:56:57Z",
            "url": "https://example.com"
        }
    ]
}
```

GET /api/v1/statistics/bounces

List all bounces statistics

Query Parameters

- **campaign** (*int*) – filter results by campaign's unique identifier
- **mailing** (*int*) – filter results by *mailing*'s unique identifier
- **unique** (*boolean*) – aggregate the bounces by delivery
- **date** (*date*) – filter results by date
- **from_datetime** (*datetime*) – filter out results with a more recent datetime
- **to_datetime** (*datetime*) – filter out results with a less recent datetime
- **hard** (*boolean*) – filter result by bounce permanent status

Response JSON Object

- **mailing** (*int*) – the bounce's mailing
- **email** (*email*) – the bounce's email
- **datetime** (*datetime*) – the bounce's datetime
- **hard** (*boolean*) – the bounce's permanent status

Request:

```
GET /api/v1/statistics/bounces HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, HEAD, OPTIONS
Content-Type: application/json

{
    "count": 1,
    "next": null,
    "previous": null,
    "results": [
        {
            "mailing": 1,
            "email": "foo@bar.org",
            "datetime": "2014-06-06T20:56:57Z",
            "hard": false
        }
    ]
}
```

Localization

Languages

GET /api/v1/languages

List of supported ISO-639-1 language codes.

Response JSON Array of Objects

- **code** (*string*) – ISO-639-1 code of the language
- **name** (*string*) – *localized* name of language

Request:

```
GET /api/v1/languages HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, HEAD, OPTIONS
Content-Type: application/json

{
    "count": 96,
    "next": "/api/v1/languages?page=2",
    "previous": null,
    "results": [
        {
            "code": "ab",
            "name": "Abkhazian"
        },
        {
            "code": "af",
            "name": "Afrikaans"
        },
        {
            "code": "an",
            "name": "Aragonese"
        },
        {
            "code": "ar",
            "name": "Arabic"
        }
    ]
}
```

Regions

GET /api/v1/regions

List of supported ISO-3166-1 country and ISO-3166-2 subdivision codes.

Query Parameters

- **code** – filter results by `code`
- **search** – filter results by `name` and country `name`

Response JSON Array of Objects

- **code** (*string*) – ISO-3166 code of the country or subdivision
- **name** (*string*) – *localized* name of the country or subdivision

Request:

```
GET /api/v1/regions HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, HEAD, OPTIONS
Content-Type: application/json

{
    "count": 5140,
    "next": "/api/v1/regions?page=2",
    "previous": null,
    "results": [
        {
            "code": "AD",
            "name": "Andorra"
        },
        {
            "code": "AD-02",
            "name": "Canillo"
        },
        {
            "code": "AD-03",
            "name": "Encamp"
        },
        {
            "code": "AD-04",
            "name": "La Massana"
        },
        {
            "code": "AD-05",
            "name": "Ordino"
        }
    ]
}
```

GET /api/v1/regions/(**string:** *code*)

Details of the region matching the specified `code`.

Parameters

- **code** (*string*) – ISO-3166 country or subdivision code.

Response JSON Object

- **code** (*string*) – ISO-3166 code of the country or subdivision
- **name** (*string*) – *localized* name of the country or subdivision
- **country** (*string*) – ISO-3166-1 code of the subdivision's country
- **regions** (*array*) – ISO-3166-2 codes and *localized* names of the country's subdivisions

Request:

```
GET /api/v1/regions/CA HTTP/1.1
Host: account.emailicious.com
Accept: application/json
```

Response:

```
HTTP/1.1 200 OK
Vary: Accept
Allow: GET, HEAD, OPTIONS
Content-Type: application/json

{
    "code": "CA",
    "name": "Canada",
    "country": null,
    "regions": [
        {
            "code": "CA-AB",
            "name": "Alberta"
        },
        {
            "code": "CA-BC",
            "name": "British Columbia"
        },
        {
            "code": "CA-MB",
            "name": "Manitoba"
        },
        {
            "code": "CA-NB",
            "name": "New Brunswick"
        },
        {
            "code": "CA-NL",
            "name": "Newfoundland and Labrador"
        },
        {
            "code": "CA-NS",
            "name": "Nova Scotia"
        },
        {
            "code": "CA-NT",
            "name": "Northwest Territories"
        },
        {
            "code": "CA-NU",
            "name": "Nunavut"
        },
        {
            "code": "CA-ON",
            "name": "Ontario"
        },
        {
            "code": "CA-PE",
            "name": "Prince Edward Island"
        },
        {
            "code": "CA-QC",
            "name": "Quebec"
        },
        {
            "code": "CA-SK",
            "name": "Saskatchewan"
        },
        {
            "code": "CA-YT",
            "name": "Yukon Territory"
        }
    ]
}
```

HTTP Routing Table