

Freedom Fone 2.5 API Documentation

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Bin

Accepted methods: **GET**

Method bin() :

API to read all SMS messages, or per user, if phone number is supplied.

Attributes

- phone_number(int)

CURL general usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET
http://127.0.0.1/freedomfone/api/bin/ -d "phone_number=123456"
```

CURL example usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET
http://127.0.0.1/freedomfone/api/bin/ -d "phone_number=00263222"
```

Example Response:

```
HTTP/1.1 200 OK
Date: Wed, 08 Jun 2011 12:04:21 GMT
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch
X-Powered-By: PHP/5.2.4-2ubuntu5.12
Content-Type: text/html
```

```
[{"Bin":
{
    "id": "506",
    "body": "pinal",
    "sender": "00263222",
    "created": "1307459968",
    "mode": "Unclassified",
    "proto": "GSM"
}
}]
```

Poll

Accepted methods: **GET**

Method poll(\$id) :

API to read all poll structures and corresponding votes, or specific poll data of id is supplied.

Attributes

- id: id of poll
- status: 0 (pending), 1 (open), 2 (closed)

CURL general usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET
http://127.0.0.1/freedomfone/api/polls/%id%/ -d "status=1"
```

CURL example usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET
http://127.0.0.1/freedomfone/api/polls/1/ -d "status=1"
```

Example Response:

```
HTTP/1.1 200 OK
Date: Wed, 08 Jun 2011 12:04:21 GMT
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch
X-Powered-By: PHP/5.2.4-2ubuntu5.12
Content-Type: text/html
{"Poll":
  {
    "id":"1",
    "question":"Testing poll",
    "code":"test",
    "created":"1307533756",
    "start_time":"2011-06-08 13:49:00",
    "end_time":"2011-10-08 13:49:00",
    "status":"1",
    "invalid_open":"1",
    "invalid_closed":"0",
    "invalid_early":"0"
  },
  "Vote":[{"
    id:"1",
    "poll_id":"1",
    "chtext":"yes",
    "chvotes":"3",
    "votes_closed":"0",
    "votes_early":"0"
  },
  {
    id:"2",
    "poll_id":"1",
    "chtext":"no",
    "chvotes":"1",
    "votes_closed":"0",
    "votes_early":"0"
  }
]}
```

Leave-a-message

Accepted methods: **GET**

Method **lm_menus(\$id)** :

API to read the settings of all existing Leave-a-message services, or specific Leave-a-message service if id is supplied

Attributes

- **id** : id of Leave-a-message service

CURL general usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/lm\_menus/%id%/
```

CURL example usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/lm\_menus/1/
```

Example Response:

```
HTTP/1.1 200 OK  
Date: Wed, 08 Jun 2011 13:57:11 GMT  
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch  
X-Powered-By: PHP/5.2.4-2ubuntu5.12  
Content-Length: 363  
Content-Type: text/html
```

```
{  
  "LmMenu": {  
    "id": "1",  
    "lmWelcomeMessage": "Welcome to Freedom Fone Leave a Message Service",  
    "lmInformMessage": "Record your message after the beep. To Finish, hang up",  
    "lmInvalidMessage": null,  
    "lmLongMessage": null,  
    "lmSelectMessage": null,  
    "lmDeleteMessage": null,  
    "lmSaveMessage": null,  
    "lmGoodbyeMessage": null,  
    "instance_id": "100",  
    "lmForceTTS": "0",  
    "title": "Test Leave-a-message",  
    "lmOnHangup": "accept",  
    "created": "1286471300",  
    "modified": "1286471300",  
    "lmMaxreclen": "120"  
    "lmWelcome": "freedomfone%2Fleave_message%2F100%2Faudio_menu%2F100%2Fwelcome.mp3",  
    "lmInform": "freedomfone%2Fleave_message%2F100%2Faudio_menu%2F100%2Finform.mp3",  
    "lmInvalid": "freedomfone%2Fleave_message%2F100%2Faudio_menu%2F100%2Finvalid.mp3",  
    "lmLong": "freedomfone%2Fleave_message%2F100%2Faudio_menu%2F100%2Flong.mp3",  
    "lmSelect": "freedomfone%2Fleave_message%2F100%2Faudio_menu%2F100%2Fselect.mp3",  
    "lmDelete": "freedomfone%2Fleave_message%2F100%2Faudio_menu%2F100%2Fdelete.mp3",  
    "lmSave": "freedomfone%2Fleave_message%2F100%2Faudio_menu%2F100%2Fsave.mp3",  
    "lmGoodbye": "freedomfone%2Fleave_message%2F100%2Faudio_menu%2F100%2Fgoodbye.mp3"  
  }  
}
```

Messages

Accepted methods: **GET**

Method `messages($instance_id)` :

API to read the messages of all existing Leave-a-message services, or messages specific Leave-a-message service if `message_id` is supplied

Attributes

- `instance_id` : instance of Leave-a-message service
- `id`: id of message
- `user_id`: id of message author
- `category_id`: id of message category
- `tag_id`: id of message tag
- `rate`: message rate {1-5}
- `new`: message status {0-1}
- `quick_hangup`: Message left by quick hangup, or complete hangup (boolean)

CURL general usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET
http://127.0.0.1/freedomfone/api/messages/%instance\_id%/ -d
"id=1&user_i=2&category_id=3&tag_id=3&rate=4&new=1&quick_hangup=true"
```

CURL example usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET
http://127.0.0.1/freedomfone/api/messages/100/ -d
"id=1&user_id=60&category_id=1&rate=1&new=1&quick_hangup=true"
```

Example Response:

```
HTTP/1.1 200 OK
Date: Wed, 08 Jun 2011 17:58:57 GMT
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch
X-Powered-By: PHP/5.2.4-2ubuntu5.12
Content-Length: 776
Content-Type: text/html
```

```
[{"Message":
  {
    "id": "1",
    "sender": "55566678",
    "title": "No title",
    "rate": "1",
    "file": "freedomfone/leave_message/100/messages/efb25e98-0ce6-11e0-b030-
e123b6921c64.mp3",
    "category_id": 1,
    "created": "1292924705",
    "modified": "1307552339",
```

```

"url":"http%253A%2F%2F192.168.1.10%2Ffreedomfone%2Ffreedomfone
%2Fleave_message%2F100%2Fmessages%2F",
"new":"0",
"status":"1",      //known as New
"length":"19",
"instance_id":"100",
"user_id":"60",
"comment":"Great message",
"quick_hangup":"true"
},
"Category":{
  "id":1,
  "name":"Songs",
  "longname":"African songs"
},
"User":{
  "id":"60",
  "name":"Fred",
  "surname":"Freddy-son",
  "email":"fred@freedomfone.org",
  "skype":"fred.freedomfone",
  "organization":"freedomfone",
  "created":"1307459968",
  "modified":"1307451165",
  "count_poll":"5",
  "count_ivr":"20",
  "count_lam":"15",
  "count_bin":"1",
  "count_callback":"2"
  "first_app":"poll",
  "first_epoch":"307420002",
  "last_app":"bin",
  "last_epoch":"1307460002",
  "acl_id":"1",
  "new":"0",
},
"Tag":[{
  "id":"1",
  "name":"Food",
  "longname":"All about food",
  "MessagesTag":{
    "id":"1",
    "message_id":"1",
    "tag_id":"1"
  }
}]
}]

```

Categories

Accepted methods: **GET**

Method **categories(\$id)** :

API to read all message categories, or a specific category if id is supplied.

Attributes

- id : category id

CURL general usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/categories/%id%/
```

CURL example usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/categories/2
```

Example Response:

```
HTTP/1.1 200 OK  
Date: Wed, 08 Jun 2011 17:58:57 GMT  
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch  
X-Powered-By: PHP/5.2.4-2ubuntu5.12  
Content-Length: 67  
Content-Type: text/html
```

```
[{  
  "Category":  
    {  
      "id": "2",  
      "name": "food",  
      "longname": "all about food"  
    },  
}]
```

Tags

Accepted methods: **GET**

Method tags(\$id) :

API to read all message tags, or a specific tag if id is supplied.

Attributes

- id : tag id

CURL general usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/tags/%id%/
```

CURL example usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/tags/2
```

Example Response:

```
HTTP/1.1 200 OK  
Date: Wed, 08 Jun 2011 17:58:57 GMT  
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch  
X-Powered-By: PHP/5.2.4-2ubuntu5.12  
Content-Length: 61  
Content-Type: text/html
```

```
[{  
  "Tag":  
    {  
      "id": "2",  
      "name": "Music",  
      "longname": "song contest"  
    }  
}]
```

Services

Accepted methods: **GET**

Method **services(\$type)** :

API to retrieve Freedom Fone services based on type of service.

Attributes

- type (string): type of service (lam, ivr)

CURL Usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/services/%type%
```

CURL example usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/services/ivr/
```

Example Response:

```
HTTP/1.1 200 OK  
Date: Wed, 15 Jun 2011 10:38:38 GMT  
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch  
X-Powered-By: PHP/5.2.4-2ubuntu5.12  
Content-Length: 516  
Content-Type: text/html
```

```
[{"IvrMenu":  
  {  
    "id": "1",  
    "instance_id": "100",  
    "title": "Cholera",  
    "message_long": "",  
    "message_short": "",  
    "message_exit": "",  
    "message_invalid": "",  
    "file_long": "1. Welcome. cholera_menu_welcome.wav",  
    "file_short": "2. Instructions. cholera_menu_options_160610_final.wav",  
    "file_exit": "3. Goodbye. cholera_goodbye.wav",  
    "file_invalid": "4. Invalid. cholera_invalid_selection.wav",  
    "created": "1292924823",  
    "modified": "1292927669",  
    "mode_long": "0",  
    "mode_short": "0",  
    "mode_exit": "0",  
    "mode_invalid": "0",  
    "switcher_type": "0",  
    "ivr_type": "ivr"  
  }  
}]
```


CDR

Accepted methods: **GET**

Method **cdr()** :

API to read CDR based on start date, end date, type, caller, title, and application.

Attributes

- start time (int): epoch start time
- end time (int): epoch end time
- caller_number (int): phone number
- application (string): application type {bin, poll, lam, ivr, callback}
- service (int) : a four character long numeric string unique for a certain instance of a service {2100-2119} for LAM, and {4100-4119} for IVR. Can only be used if "application" is stated.
- user_id(int): user id
- limit(int): number of CDR to retrieve (default 100)
- page(int): which page to retrieve (default 1).

CURL general usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET
http://127.0.0.1/freedomfone/api/cdr/ -d
"&caller_number=004612456&application=ivr&service=4100&user_id=1&limit=100&
page=1"
```

CURL example usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET
http://127.0.0.1/freedomfone/api/cdr/ -d
"application=lam&service=2100&start_time=1305294500&end_time=1305294600"
```

Example Response:

```
HTTP/1.1 200 OK
Date: Wed, 15 Jun 2011 10:26:02 GMT
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch
Content-Length: 292
Content-Type: text/html
```

```
[{"Cdr":{
  "id":"198",
  "channel_state":"CS_ROUTING",
  "epoch":"1305294525",
  "call_id":"b8d55690-7d67-11e0-a31c-f7b98c96b6c8",
  "caller_name":"OPENVZ10",
  "caller_number":"1008",
  "extension":"2100", //known as service
  "application":"lam",
  "proto":"sip",
  "length":"4",
  "user_id":null,
  "title":"Default LAM",
  "quick_hangup":null
}}]
```

Users

Accepted methods: **GET**

Method **users(\$id)** :

API to read all users, or a specific user if user_id is supplied.

Attributes

- id(int): user id

CURL general usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/users/%id%/
```

CURL example usage:

```
curl -u username:password -i -H "Accept: application/json" -X GET  
http://127.0.0.1/freedomfone/api/user/60
```

Example Response:

```
HTTP/1.1 200 OK  
Date: Wed, 15 Jun 2011 10:56:55 GMT  
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch  
X-Powered-By: PHP/5.2.4-2ubuntu5.12  
Set-Cookie: CAKEPHP=738b4e0f58993992d6473dafa6351f25; path=/freedomfone  
P3P: CP="NOI ADM DEV PSAi COM NAV OUR OTRo STP IND DEM"  
Content-Length: 585  
Content-Type: text/html
```

```
[{"User":  
  {  
    "id":"60",  
    "name":"Fred",  
    "surname":"Fredson",  
    "email":"","  
    "skype":"","  
    "organization":"","  
    "created":"1307459968",  
    "modified":"1307978212",  
    "count_poll":null,  
    "count_ivr":null,  
    "count_lam":null,  
    "first_app":"","  
    "first_epoch":null,  
    "last_app":"bin",  
    "last_epoch":"1307460002",  
    "acl_id":"1",  
    "new":"0",  
    "count_bin":"1",  
    "count_callback":"2"},  
    "PhoneNumber":[{"  
      "id":"19",  
      "user_id":"60",  
      "number":"263222"  
    }]  
  }  
  "PhoneBook":[{"
```

```

        "id": "1",
        "name": "default",
        "description": "default",
        "PhoneBooksUser":
            {
                "id": "4",
                "user_id": "60",
                "phone_book_id": "1"
            }
    }
}

```

System

Accepted methods: **GET**

Method system() :

API to read system settings and software versions.

CURL general usage:

```

curl -u username:password -i -H "Accept: application/json" -X GET
http://127.0.0.1/freedomfone/api/system/

```

Example Response:

```

HTTP/1.1 200 OK
Date: Wed, 15 Jun 2011 16:42:31 GMT
Server: Apache/2.2.8 (Ubuntu) PHP/5.2.4-2ubuntu5.12 with Suhosin-Patch
X-Powered-By: PHP/5.2.4-2ubuntu5.12
Content-Length: 522
Content-Type: text/html

```

```

[{"System"
  {
    "dispatcher_version": "2.0",
    "fs_version": "FreeSWITCH Version 1.0.5-20100223-0400 (16729M)",
    "apache_version": "Apache%2F2.2.8+%28Ubuntu%29+PHP%2F5.2.4-2ubuntu5.12+with+Suhosin-Patch",
    "mysql_version": "5.0.51a-3ubuntu5.5",
    "freedomfone_version": "2.5",
    "svn_rev": "926:1391MS",
    "operative_system": {
      "operative_system": "Linux",
      "release": "Ubuntu 8.04.4 LTS",
      "name": "hardy"
    },
    "language": "English",
    "domain": "http%3A%2F%2Fdemo.freedomfone.org",
    "ip_address": "91.226.180.10",
    "timezone": "Africa%2FHarare",
    "prefix": "263",
    "country": "Zimbabwe"
  }
}]

```