



# LINK Flow API

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# LINK Flow API

# Overview

Documentation to drive conversations for a given flow defined in LINK Flow.

## Version information

*Version* : 1.0.3

## URI scheme

*Host* : flowhandler.conversationalmessaging.com

*BasePath* : /linkflow

*Schemes* : HTTPS

# Paths

## Uploads campaign CSV file

POST /campaigns

### Parameters

Type	Name	Description	Schema
Query	<b>file</b> <i>required</i>	The content of the CSV file to upload.	ref
Query	<b>flowId</b> <i>required</i>	The id of the flow.	string (uuid)

### Responses

HTTP Code	Description	Schema
200	The UUID of the created campaign	string
400	An error message	<a href="#">ApiError</a>

### Security

Type	Name
oauth2	<a href="#">Bearer</a>

## Gets all campaigns of the account

GET /campaigns

### Responses

HTTP Code	Description	Schema
200	List of all account's campaigns	< <a href="#">CampaignInfo</a> > array

### Produces

- `application/json`

## Security

Type	Name
oauth2	<a href="#">Bearer</a>

## Removes a campaign and its data completely

```
DELETE /campaigns/{campaignId}
```

### Parameters

Type	Name	Description	Schema
Path	<b>campaignId</b> <i>required</i>	The ID of the campaign.	string (uuid)

### Responses

HTTP Code	Description	Schema
200	Empty body	No Content

## Security

Type	Name
oauth2	<a href="#">Bearer</a>

## Renames a campaign

```
PATCH /campaigns/{campaignId}
```

### Parameters

Type	Name	Description	Schema
Path	<b>campaignId</b> <i>required</i>	The ID of the campaign	string (uuid)
Body	<b>namePatch</b> <i>required</i>	The new name of the campaign. Sent as body of the request.	<a href="#">NamePatch</a>

## Responses

HTTP Code	Description	Schema
200	Empty body	No Content

## Security

Type	Name
oauth2	<a href="#">Bearer</a>

## Gets campaign's results

```
GET /campaigns/{campaignId}/data
```

## Parameters

Type	Name	Description	Schema
Path	<b>campaignId</b> <i>required</i>	The ID of the campaign.	string (uuid)

## Responses

HTTP Code	Description	Schema
200	CSV file with the values of the output variables	No Content

## Security

Type	Name
oauth2	<a href="#">Bearer</a>

## Starts previously uploaded campaign

```
POST /campaigns/{campaignId}/start
```

## Parameters



Type	Name	Description	Schema
Path	<b>campaignId</b> <i>required</i>	The ID of the campaign.	string (uuid)

## Responses

HTTP Code	Description	Schema
200	The UUID of the created campaign	string
400	An error message	<a href="#">ApiError</a>
422	At least one of the MSISDNs in the request already has an active conversation. The response message supplies a list of at most 5 of the affected MSISDNs.	<a href="#">ApiError</a>

## Security

Type	Name
oauth2	<a href="#">Bearer</a>

## Gets campaign's statistics

```
GET /campaigns/{campaignId}/statistics
```

## Parameters

Type	Name	Description	Schema
Path	<b>campaignId</b> <i>required</i>	The ID of the campaign.	string (uuid)

## Responses

HTTP Code	Description	Schema
200	Campaign's statistics	<a href="#">CampaignStatistics</a>

## Security

Type	Name
oauth2	<a href="#">Bearer</a>

# Stops a campaign

POST /campaigns/{campaignId}/stop

## Parameters

Type	Name	Description	Schema
Path	<b>campaignId</b> <i>required</i>	The ID of the campaign.	string (uuid)
Body	<b>message</b> <i>optional</i>	The message to be sent to the running conversations. Sent as body of the request.	string

## Responses

HTTP Code	Description	Schema
200	Empty body	No Content

## Security

Type	Name
oauth2	<a href="#">Bearer</a>

# Starts a flow for given msisdns and params

POST /flow/{flowId}/start

## Parameters

Type	Name	Description	Schema
Path	<b>FlowId</b> <i>required</i>	The flowId for which the conversations should be started	string (uuid)
Body	<b>body</b> <i>required</i>	Contains a list of msisdns and corresponding parameters for which the flow should be started	<a href="#">StartConversations</a>

## Responses

HTTP Code	Description	Schema
200	The UUID of the created campaign	string

HTTP Code	Description	Schema
400	An error message	<a href="#">ApiError</a>
422	At least one of the MSISDNs in the request already has an active conversation. The response message supplies a list of at most 5 of the affected MSISDNs.	<a href="#">ApiError</a>

## Consumes

- `application/json`

## Security

Type	Name
oauth2	<a href="#">Bearer</a>

## Gets all flows of the account

GET /flows

## Responses

HTTP Code	Description	Schema
200	List of all account's flows	<a href="#">FlowList</a>

## Produces

- `application/json`

## Security

Type	Name
oauth2	<a href="#">Bearer</a>

## Perform authentication and retrieve an Authorization Token

POST /login

## Parameters

Type	Name	Description	Schema
Body	<b>body</b> <i>required</i>	Contains the username and the password hash to use for the authentication attempt	<a href="#">Login</a>

## Responses

HTTP Code	Description	Schema
200	Authentication was successful and login information is returned	<a href="#">LoginResult</a>
401	The authentication credentials provided are incorrect	string

## Consumes

- `application/json`

# Definitions

## ApiError

Name	Description	Schema
<b>error</b> <i>optional</i>	The HTTP Status code as text <b>Example</b> : "Unauthorized"	string
<b>message</b> <i>optional</i>	The actual error message. <b>Example</b> : "Missing or invalid token"	string
<b>status</b> <i>optional</i>	This is the HTTP Status code <b>Example</b> : "401"	string

## CampaignInfo

Name	Schema
<b>id</b> <i>optional</i>	string (uuid)
<b>name</b> <i>optional</i>	string
<b>state</b> <i>optional</i>	enum (NEW, RUNNING, STOPPED)

## CampaignStatistics

Name	Schema
<b>conversationsEnded</b> <i>optional</i>	integer (int32)
<b>conversationsOpened</b> <i>optional</i>	integer (int32)
<b>numberOfConversations</b> <i>optional</i>	integer (int32)

## Conversation

Name	Schema
<b>msisdn</b> <i>optional</i>	string
<b>params</b> <i>optional</i>	< string, string > map

## FlowList

Name	Schema
<b>flowList</b> <i>optional</i>	< <a href="#">FlowMetaData</a> > array

## FlowMetaData

Name	Schema
<b>id</b> <i>optional</i>	string (uuid)
<b>modifyTime</b> <i>optional</i>	integer (int64)
<b>name</b> <i>optional</i>	string

## NamePatch

Name	Schema
<b>newName</b> <i>optional</i>	string

## StartConversations

Name	Schema
<b>campaignName</b> <i>optional</i>	string
<b>conversations</b> <i>optional</i>	< <a href="#">Conversation</a> > array

## Login

Name	Description	Schema
<b>passwordHash</b> <i>required</i>	The hash of your LINK Flow password, hashed with <b>sha256</b> .	string
<b>username</b> <i>required</i>	The username of your LINK Flow account.	string

# LoginResult

Name	Description	Schema
<b>accountName</b> <i>required</i>	The name of the associated LINK Flow account.	string
<b>error</b> <i>optional</i>	An error message	string
<b>token</b> <i>required</i>	The bearer token to use as <b>Authorization</b> header in subsequent requests.	string

# Callback

Name	Description	Schema
<b>variables</b>	All input and output variables and the corresponding values.	Map<string, string>
<b>flowId</b>	The resourceId of the corresponding flow.	UUID
<b>flowName</b>	The name of the corresponding flow.	string
<b>campaignId</b>	The resourceId of the corresponding campaign.	UUID

# Security

## Bearer

Add an authorization header with the value **Bearer <token>**.

*Type* : oauth2

*Flow* : password

*Token URL* : <https://flowhandler.conversationalmessaging.com/linkflow/login>



# Examples

# Authentication

## Request token

### Request

```
POST /linkflow/login HTTP/2
Host: flowhandler.conversationalmessaging.com
Content-Type: application/json
Content-Length: 105
```

```
{"username": "linkflow", "passwordHash": "06662fab88cfffffffffffffffffffffffffffffffffffff"}
fffffffffffffffffffff"}
```

### Response

An example response:

```
{"token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJmbG93LWFjY291bnQxIiwiaXNjaXkiOiJ0eXAiLCJpYXQiOiJlbnRkzMTYxMjYsImp0aSI6ImM0YmEzNzNkLWM3NGEtNDUyOS05Y2MyLWQxOGRjNzVlZWMyYiJ9.MsJmQIBY_5J7e1TEMBR-EoYoH4uVSmJ9WQnrHqY1Jfk", "accountName": "flow-account1"}
```

# Campaigns Management

## Get all campaigns

### Request

```
GET /linkflow/campaigns HTTP/2
Host: flowhandler.conversationalmessaging.com
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxx
```

### Response

```
[
  {"id": "51393381-2a0a-481b-85df-585b4a6126ea", "name": "+359876096025", "state": "RUNNING"},
  {"id": "bbd89b1a-e6f3-4964-98a8-0b621cc1c7c2", "name": "+4793433312", "state": "RUNNING"}
]
```

## Upload campaign

### Request

```
POST /linkflow/campaigns HTTP/2
Host: flowhandler.conversationalmessaging.com
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxx
Content-Length: 369
Content-Type: multipart/form-data; boundary=-----07559480a08f532d

flowId=b24d34d4-9478-42b5-ac08-7826cbbdaf40
file=@campaign.csv
```

### Response

The response is the ID of the uploaded campaign.

```
e348272e-f687-42a2-83f8-0c4f8c206ccc
```

## Start uploaded campaign

## Request

```
POST /linkflow/campaigns/e348272e-f687-42a2-83f8-0c4f8c206ccc/start HTTP/2
Host: flowhandler.conversationalmessaging.com
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxxxx
```

## Response

The body of the response is empty

## Stop campaign

### Request

```
POST /linkflow/campaigns/e348272e-f687-42a2-83f8-0c4f8c206ccc/stop HTTP/2
Host: flowhandler.conversationalmessaging.com
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxxxx
Content-Type: application/x-www-form-urlencoded

Campaign%20was%20stopped!
```

### Response

The body of the response is empty

## Get campaign's results

### Request

```
GET /linkflow/campaigns/e348272e-f687-42a2-83f8-0c4f8c206ccc/data HTTP/2
Host: flowhandler.conversationalmessaging.com
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxxxx
```

### Response

```
msisdn,name,outputVar1,conversationOpened,conversationEnded
+491500000000,Pencho,s1,true,true
```

## Get campaign's statistics

## Request

```
GET /linkflow/campaigns/e348272e-f687-42a2-83f8-0c4f8c206ccc/statistics HTTP/2
Host: flowhandler.conversationalmessaging.com
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxxx
```

## Response

```
{"numberOfConversations":1,"conversationsOpened":1,"conversationsEnded":1}
```

## Rename campaign

### Request

```
PATCH /linkflow/campaigns/e348272e-f687-42a2-83f8-0c4f8c206ccc HTTP/2
Host: flowhandler.conversationalmessaging.com
Content-Type: application/json
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxxx

{"newName":"TestCampaign"}
```

### Response

The response body is empty

## Delete campaign

### Request

```
DELETE /linkflow/campaigns/e348272e-f687-42a2-83f8-0c4f8c206ccc HTTP/2
Host: flowhandler.conversationalmessaging.com
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxxx
```

### Response

The body of the response is empty

## Start flow for MSISDNs and parameters

### Request

```
POST /linkflow/flow/b24d34d4-9478-42b5-ac08-7826cbbdaf40/start HTTP/2
Host: flowhandler.conversationalmessaging.com
Content-Type: application/json
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxx
```

```
{"conversations": [{"msisdn": "+4915000000000", "params": {"name": "anyone"}}]}
```

## Response

The response is the ID of the started campaign (A campaign is automatically saved by the system).

```
1052c0ff-aa89-41d0-b7e7-097d38573a2a
```

## Get all flows

### Request

```
GET /linkflow/flows HTTP/2
Host: flowhandler.conversationalmessaging.com
Authorization: Bearer xxxxx.xxxxxxxxxxxxxx.xxxxxxx
```

### Response

```
{"flowList": [{"id": "24ea1c3f-e627-4fab-a46a-9ea0af6e6d54", "name": "Keywords demo", "modifyTime": 1560236292702}, {"id": "257647ed-9428-4dc1-a1bd-51382ce9942e", "name": "Test123", "modifyTime": 1568027534432}]}
```