

IM v3 PLATFORM API

Message

INTRODUCTION

This document gives an outline of the interfaces for messages integration with IMv3 Platform.

API REQUEST

Data is passed in JSON format for requests. The response will not return any data but will show success or error message. Interactions with the API are done via HTTP POST requests. Post request is use to update or add data in the system. There is only one POST value, \$_POST["data"], which has JSON data.

The basic form of the URL is:

<http://im.nmsloop.com/api/inbound>

RESPONSE

Response is also in JSON for both error and success messages. If the authentication fails, transaction will not be processed and authentication error is displayed.

SUCCESS:

Success code is 0 for all requests.

```
{ "authentication":{"code":0, "message":"ok"}, "transaction":{"code":0, "message":"Success"}}
```

ERROR:

If there is an authentication error, the transaction will not proceed but will return a code and error message.

```
{"authentication":{"code":"000", "message":"Error"}}
```

or

```
{"authentication":{"code":"0", "message":"Ok"},  
"transaction":{"code":"505", "message":"Service does not exists"}}
```

CODE	MESSAGE
500	API Limit Reached
501	Authentication error / IP not whitelisted
502	Invalid format. Check the API documentation
503	Data sent is not a valid json string
504	One or more of the required parameters have not been specified
505	Service does not exist
506	Persona/Subscriber not found in service

Table 1. Error Messages

AUTHENTICATION

Authentication requires username and password. The system will only allow requests from sites which IP are listed on whitelist. The IP addresses that are included on the list are the ones specified under Loop IMv3 Services page.

INBOUND

Inbound requests must be passed to the given URL with a JSON object containing the message, recipient's username and the sender's username.

The parameters are:

- username – aggregator's username

- password – aggregator’s password
- service_code – the unique identifier of the services to be given to the aggregators
- message – message to be sent
- to – recipient’s username which is the persona
- from – sender’s username which is the subscriber.
- additional_info – an optional field with a set of additional parameters. Data that are placed here will be sent back to the aggregator along with the outbound message.
- attachment - an optional field with a list/set of links for image attachment.

Working parameters for additional_info:

KEY	VALUE	DESCRIPTION
Billed	True/False	Indicates if a message is free or billed. Default value is true.

Table 2. Additional Parameters

URL: <http://im.nmsloop.com/api/inbound>

POST: data => {username:"<username>",
 password:"<password>",
 service_code:"<service_code>",
 to: "<persona name>",
 from: "<subscriber name>",
 message: "<message>",
 additional_info: {billed: true, <parameter1>: <value2>},
 attachment: {"<image_url>", "<image_url>"}}

RESPONSE

SUCCESS:

```
{ "authentication":{ "code":0, "message":"ok"}, "transaction":{"code":0, "message":"Success"}}
```

ERROR:

Please refer to Table 1

OUTBOUND

Outbound requests have the same parameters as inbound. If an aggregator does not provide username and password, the values are set to 0.

The parameters are:

- username – listener username
- password – listener password
- service_code – the unique identifier of the services to be given to the aggregators
- message – outbound message
- to – recipient’s username which is the subscriber
- from – sender’s username which is the persona.
- additional_info – this value is the same as the value set at the last inbound message
- attachment - an optional field with a list/set of links for image attachment.