



API Documentation & API Description Guide

This document gives an overview of the characteristics and common features of the API.

HTTP API Method

1. Overview

This technical document is intended for developers who wish to use the HTTP API for sending messages and describes the various programming methods and commands used by developers when using this API.

The HTTP API is the most popular API, because there are many ways to utilize it for message sending and it can be used for low or high-volume messaging. As HTTP is a means for relaying information, the HTTP API can be used with practically any web-service application. This is particularly useful for high-volume message sending.

2. Introduction

This is one of the simpler server-based forms of communication to our gateway. It can be used either in the form of a **HTTP POST, or as a URL (GET)**. We recommend POST for larger data transfer, due to the size limitations of GET. Communication to our API can be done via HTTP on port 80. All calls to the API must be URL-encoded. The parameter names are case-sensitive. Batch messaging is catered for in a variety of ways.

3. Getting Started

The following basic information will help you get started with using the HTTP interface. The message text should be URL Encoded. The message Encoded (also known as percent encoding) string of UTF-8 characters.

For more information on URL encoding, please see this:

http://www.w3schools.com/tags/ref_urlencode.asp.

Let us see an example: -

Original text:

Hi Amar!
Happy Diwali to you
Regards,

Encoded text:

Hi%20Amar%21%0AHappy%20Diwali%20to%20you%0ARegards%2C

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4. Basic commands

To send a message, the system will firstly need to authenticate you as a valid user. The preferred method of authentication is using username and password.

All other commands are then made up of three segments: authentication, the basic message components (message content and recipients) and the additional message parameters. In the examples below, we will include the authentication and basic message components. The additional message parameters will be included only where they are relevant.

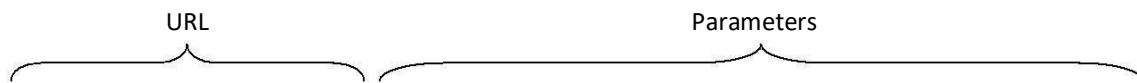
Basic Command Structure: [URL Call Authentication Message Parameters](#)

```
https://api.growwsaas.com/fe/api/v1/send?username=username&password=APIpassword&unicode=true/false&from=sendercli&to=torecipient&text=message&dltContentId=DLTtemplateID
```

5. Sending Message

User can send a text message using the API. To send a message to a mobile number using API, the following will be the request using HTTP GET or POST. The parameters can be sent in any order.

URL Syntax with DLT Content ID



```
https://api.growwsaas.com/fe/api/v1/send?username=username&password=APIpassword&unicode=true/false&from=sendercli&to=torecipient&text=message&dltContentId=DLTtemplateID
```

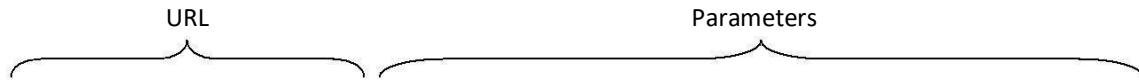
Parameter	Value	Required?	Description
Username	Username	YES	Your username
Password	API Password	YES	Your password.
Unicode	true/ false	YES	Unicode value to be true in case of vernacular message or in any regional language, in case of English content it should be false.
From	6 Alpha/Numerical characters	YES	A Sender ID to appear on the recipients mobile (Cannot contain any special characters).
To	Recipient number with or without country code (91 for India)	YES	Recipient mobile number with or without country code eg:919876543210
Text	Text message	YES	Message to recipients mobile (URL Encoded)
DLTContent ID	Approved Content id (length of 4-19)	YES	Content Template ID: - This ID is assigned to a message template when the same is registered with DLT.
DLT TelemarketerID	Numeric TMID of length 12-19	Optional	Optional Parameter



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DLT PEID (Principal Entity ID)	Approved PEID (Numeric DLT Principal Entity Id of length 12-19)	Optional	Principal Entity ID: - This is corresponding to the Header (Sender ID), For every Sender_ID registered in the DLT system
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URL Syntax without DLT Content ID



<https://api.growwsaas.com/fe/api/v1/send?username=username&password=APIpassword&unicode=true/false&from=sendercli&to=torecipient&text=message>

6. HTTP API Request & Response Details:

1. Single Recipient Request: -

<https://api.growwsaas.com/fe/api/v1/send?username=username&password=APIpassword&unicode=true/false&from=sendercli&to=torecipient&text=message&dltContentId=DLTtemplateID>

2. Multiple Recipient Request: - (Up to 100 msisdn)

<https://api.growwsaas.com/fe/api/v1/multiSend?username=username&password=APIpassword&unicode=true/false&from=sendercli&to=torecipient1,torecipient2,torecipient3&text=message&dltContentId=DLTtemplateID>

When the request is successful, the following response will be displayed.

```
{"transactionId":205538399,"state":"SUBMIT_ACCEPTED","statusCode":200,"description":"Message accepted successfully","pdu":1}
```

We suggest you store the response text as it may be required to retrieve status / delivery report in future using message id.

Other responses in case of an error:

Response	Description	Reason
"statusCode":2051	"Sender [xxxxxx] doesn't exist".	When the API request contains nonregistered SENDER ID on User Panel
"statusCode":2070	Authentication failure	Invalid Username/Password/Account expired
"statusCode":2054	Invalid Msisdn [xxxxxxxx] [IN]	When the MSISDN is not in 10- or 12-digits length (with IN country code 91)
"statusCode":6001	Insufficient Balance!	Zero Credit
"statusCode":7001	DLT_Content_ID not found	DLT Content ID missing in API request

7: Call Back API Format & Parameter Details for Real Time Delivery Report:

Client must provide call back API (GET) in below format to configure at the backend, real time delivery reports shall be pushed through the API.



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```
http://{clienturl}
path}?txid={transactionId}&to={recipient}&from={sender}&description={description}&pdu={totalPdu}&text={message}&deliverystatus={status}&deliverydt={doneDate}
```

Call Back API Parameters Description:

Parameter	Description
transactionId	Message identification unique id
recipient	Recipient mobile number
sender	6 digits ALPHA or number which appears on the mobile phone as the sender of a SMS
description	system message delivery status ie (number in DND, submitted, rejected, delivered, failed)
totalPdu	part of message
message	message text
status	SMSC Message delivery status ie SUBMISSION_ACCEPTED/SUBMISSION_REJECTED/PSB_GENERIC_ERROR/DELIVERY_SUCCESS/DELIVERY_FAILED
doneDate	Delivery date & time provided by operator

Json Method API

```
curl -k -X POST \
  https://api.growwsaas.com/fe/api/v1/send/message \
  -H 'accept: application/json' \
  -H 'authorization: Basic dGV4dC50cmFucy5wYXNzd29yZA== ' \
  -H 'cache-control: no-cache' \
  -H 'content-type: application/json' \
  -d '{"extra":{"dltContentId": "ContentID"},
    "message": {
      "recipient": "9999999999",
      "text": "Hello world!"
    },
    "sender": "TEST",
    "unicode": false
  }'
```

Parameter	Value	Required?	Description
Username	API username	YES	Your API username

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Type	Transaction Type	YES	Your Transaction Type trans/pro
Password	API password	YES	Your API password.
Recipient msisdn	Recipient number with country code (91 for India)	YES	Recipient mobile number with or without country code eg:919876543210
Text	Text message	YES	Message to Recipient mobile
Sender	6 alpha characters	YES	A Sender ID to appear on the recipient mobile (Cannot contain any special characters).
Unicode	True/false	YES	False for English message & true for Unicode messages
DLTContent ID	Approved Content id (length of 4-19)	YES	Content Template ID: - This ID is assigned to a message template when the same is registered with DLT.

Sample Request: -

```
curl -k -u test.trans:password -H 'Content-Type:application/json' -H 'Accept:application/json' -d '{ "extra":{"dltContentId": "ContentID"}, "message":{"recipient":"919999999999", "text":"HI"}, "sender":"TEST", "unicode":false}' https://api.growwsaas.com/fe/api/v1/message
```

Response: -

```
{"transactionId":3341573,"state":"SUBMIT_ACCEPTED","description":"Message accepted successfully","pdu":1}
```

XML Method API

1. One2One Request & Response Details:

Below XML API used for one message to one recipient or multiple message / recipient pairs i.e., 1000 distinct messages / recipients' pairs in a single call

Sample Request: -

```
curl -X POST --header 'Content-Type: application/xml' --header 'Accept: application/xml' -d '<?xml version="1.0"?>
<OneToOnePush>
<credentials>
<password>test</password>
<user>test.trans</user>
</credentials>
<from>SENDER</from>
<shortMessages>
<message>Test Message1</message>
<recipient>9999999999</recipient>
<corelationId>1</corelationId>
<dltContentId>1234</dltContentId>
</shortMessages>
```

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```
<shortMessages>
<message>Test Message2</message>
<recipient>9999999999</recipient>
<corelationId>2</corelationId>
<dltContentId>1234</dltContentId>
</shortMessages>
<unicode>>true</unicode>
</OneToOnePush> 'https://api.growwsaas.com/fe/api/v1/one2One' -ki
```

Response Request: -

```
<PushResponse>
  <submitResponses>
    <submitResponses>
      <transactionId>205666556</transactionId>
      <state>SUBMIT_ACCEPTED</state>
      <description>Message accepted successfully</description>
      <pdu>1</pdu>
      <corelationId>1</corelationId>
    </submitResponses>
    <submitResponses>
      <transactionId>205666557</transactionId>
      <state>SUBMIT_ACCEPTED</state>
      <description>Message accepted successfully</description>
      <pdu>1</pdu>
      <corelationId>2</corelationId>
    </submitResponses>
  </submitResponses>
</PushResponse>
```

2. One2One Request & Response Details:

Below XML API is used for one message to Multiple recipients

Sample Request: -

```
curl -X POST --header 'Content-Type: application/xml' --header 'Accept: application/xml' -d '<?xml
version="1.0"?>
<OneToManyPush>
  <credentials>
    <password>test</password>
    <user>test.trans</user>
  </credentials>
  <from>SENDER</from>
  <messageText>Test Message</messageText>
  <options>
    <dltContentId>12345</dltContentId>
```

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```
</options>
<recipients>
  <corelationId>1</corelationId>
  <mobile>999999999</mobile>
</recipients>
<recipients>
  <corelationId>2</corelationId>
  <mobile>999999999</mobile>
</recipients>
<unicode>>true</unicode>
</OneToManyPush>' https://api.growwsaas.com/fe/api/v1/one2Many' -ki
```

Response Request: -

```
<PushResponse>
  <submitResponses>
    <submitResponses>
      <transactionId>457307</transactionId>
      <state>SUBMIT_ACCEPTED</state>
      <description>Message accepted successfully</description>
      <pdu>1</pdu>
      <corelationId>1</corelationId>
    </submitResponses>
    <submitResponses>
      <transactionId>457308</transactionId>
      <state>SUBMIT_ACCEPTED</state>
      <description>Message accepted successfully</description>
      <pdu>1</pdu>
      <corelationId>2</corelationId>
    </submitResponses>
  </submitResponses>
</PushResponse>
```

Please find the below description of the parameters.

1. Password

```
<password>password</password>
```

User API Password.

2. Username

```
<user>username</user>
```

Username that register on panel and For Promotional user name use the test.pro and for transactional messages use test.trans

3. Sender ID

```
<from>SENDER</from>
```

Sender ID (DLT Register Header Name) from which message needs to be originated. It should Alphabet or Numeric of 6 characters only.

4. Message Text

```
<message>This is test message</message>
```

This is the message text which will be delivered to the end user.

5. Mobile Number

```
<recipient>9999999990</recipient>
```

```
<recipient>9999999991</recipient>
```

```
<recipient>9999999992</recipient>
```



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Enter the mobile number on which the content to be delivered. In case of multiple mobile numbers enter mobile numbers in new row same as the sample request.

6. DLT Content ID

```
<dltContentId>12345</dltContentId>
```

Content (Template) is Once your template is approved, DLT portals would give you a unique DLT Template ID which needs to be sent during your SMS submission.

7. Unicode

```
<unicode>true</unicode>
```

Unicode value to be true in case of vernacular message or in any regional language, in case of English content it should be false.