HTTP API SPECIFICATIONS FOR SHORT LINK

1. Overview

This technical document is intended for developers who wish to use the HTTP API for sending short link 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 in the form of a HTTP GET. 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 interface. The message text should be URL Encoded. The message should be URL 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.

Original text:
Hi Amar!
Happy Diwali to you
Regards,

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

4. Basic commands

In order to send a short link 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://yourdomain/fe/api/v1/sendLink?username={username}&password={password}&unicode= false&from={senderID}&to={mobile number}&text={text}&trackLinkId={tracklinkid}

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. The parameters can be sent in any order.

URL Syntax

Request Parameters:

Parameter	Value	Required?	Description
Username	API username	YES	Your API username
Password	API password	YES	Your API password.
Unicode	true/ false	YES	False for English message & true for Unicode messages
from	6 alpha characters	YES	A Sender ID to appear on the recipients mobile (Cannot contain any special characters).
to	Recipient number with country code(91 for India)	YES	Recipient mobile number with country code eg:919911223344
text	Text message	YES	Message to recipients mobile (URL Encoded)
trackLinkId	Track link id	YES	ID will be generated once the long url which is configured in the system.

6. HTTP API Request & Response Details:

When the request is successful, the following message is displayed.

{"transactionId":27547042,"state":"SUBMIT_ACCEPTED","description":"Message submitted 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
INVALID_SOURCE_ADDRESS	Sender ID length != 6 or contains any special characters.
Authentication failure	Invalid Username/Password/Account expired
status":500,"error":"Internal Server Error"	Some parameters for request are missing.
"6001:Insufficient Balance !"	Zero Credit
"5001:Template ID is missing"	Template ID missing

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

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

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

Call Back API Parameters Description:

Parameter	Description
transactionId	Message identifiaction unique id
recipient	Reciepient 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