



BULKSMS System-Third Parties Interface Document

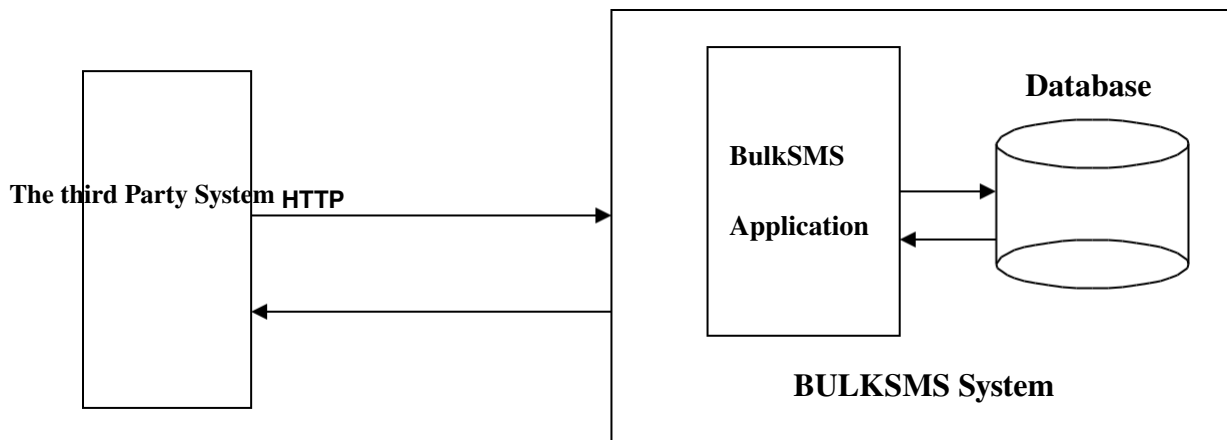
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Architecture and Communication Protocol

Architecture



The third party System: Is the system, which sends the sms request to BULKSMS System by protocol HTTP.

BULKSMS System: The BULKSMS System includes, BulkSMS Application and BulkSMS Database. The Interaction between BulkSMS Application and Database is internal to BULKSMS System.

Communication

The communication between the third party System and Etopup System over HTTP. The third party System makes the HTTP connection with Etopup System and sends the request content through HTTP. Response of each request is also sent as HTTP.

Connection Procedure

The third party system calls the specific URL to make the HTTP Connection with BULKSMS System. The details of HTTP URL are mentioned below.

URL

https://bulksms.zamtel.co.zm/api/v2.1/action/send/api_key/:api_key/contacts/:contacts/senderId/sender_id/message/:message

DEPRECATED

1. https://apps.zamtel.co.zm/bsms/api/sms/send/batch?message=<message>&key=<api_key>&contacts=<contacts>&senderId=<senderId>
2. https://apps.zamtel.co.zm/bsms/api/v2.1/action/send/api_key/:api_key/contacts/:contacts/senderId/sender_id/message/:message

Field Details

Fields	Description	Example	Optional/ Mandatory	Field Type
api_key	Organization unique api auth key	f6293fecaa5f0b3e6a0ad5d08fd33a4	M	A(20)
message	URL encoded text message to send to the subscribers	Hello%20World%20Zamtel	M	A(20)
contacts	A single msisdn or a list of numbers as an array	26095000xxxx, ['26096xxxxxxx','26097xxxxxxx']	M	N(10)
senderid	Sender ID of SMS Sent	ZAMTEL	M	A(10)

EXAMPLE URL:

[https://bulksms.zamtel.co.zm/api/v2.1/action/send/api_key/xab45fca355161e419c57asf8b943ec/contacts/\[260950003929\]/senderId/Zamtel/message/test%20message%20with%20%23](https://bulksms.zamtel.co.zm/api/v2.1/action/send/api_key/xab45fca355161e419c57asf8b943ec/contacts/[260950003929]/senderId/Zamtel/message/test%20message%20with%20%23)

Service

This API allows the external system (The third party) to interface with BULKSMS System to send an SMS.

Send SMS

External Interface will send SMS request to BULKSMS System in the following format:

HTTP format:

https://bulksms.zamtel.co.zm/api/v2.1/action/send/api_key/f6293fexxz5f0b3e6a0ad5d08fd33a4/contacts/260950003929/senderId/Zamtel/message/Hello%20world%20from%20bulksms

Response

StatusCode	Status	Error Description	Sample Payload
202	Accepted for delivery		{ "success":true,"responseText":"SMS(es) have been queued for delivery" }
422	Unprocessable entity	<i>Sender ID not defined or invalid api key</i>	{ "success":false,"responseText":"Invalid api_key and/or sender id" }
422	Unprocessable entity	<i>Invalid number</i>	{ "success":false,"responseText":"SMS(es) not sent. Invalid contact(s) (8271892)" }

Query SMS Stock Account Balance

This method allows the third party to query SMS stock account balance. It is a real time figure and will reflect the exact balance at that point in time.

HTTP format:

https://bulksms.zamtel.co.zm/api/sms/balance?key=<Your_API_Key>

Create sender ID

This method allows the third party to create a new sender ID.

HTTP format:

https://bulksms.zamtel.co.zm/api/sms/createSenderId?key=<Your_API_KEY>&senderId=<Sender_ID>