

Lubred SMS Gateway

Technical Documentation

HTTP/HTTPS/SMPP Application Programming Interface Specifications

Introduction

This document provide developers with instruction for integrating SMS messaging service into various solutions using the Lubred HTTP application programming interface (HTTP/HTTPS API) or the standard SMPP interface.

Sending SMS using HTTP/HTTPS POST

This method allows sending SMS by passing JSON object. The table below shows the details of the JSON object.

Endpoint	https://smshub.lubredsms.com/hub/jsonsmsapi/SendPost
Request Payload	<pre>{ "user": "tester", "pass": "test", "sender": "LubredGW", "message": "Hello World", "mobile": "2348067000000", "flash": 0 }</pre>
Response	<pre>{ "MessageId": "5cb4e0c5-824f-4367-a77b-c2998180f26d", "MobileNo": "2348067000000", "StatusCode": "0", "StatusDesc": "SUCCESSFUL" }</pre>

Sending SMS using HTTP/HTTPS GET

This method allows sending SMS by passing parameters directly as query string variables. The table below shows the different content type response options (text/plain, XML and JSON) for both sending messages and credit balance using HTTP GET

Action	API Call – Response Type: text/plain
Send SMS	http://smshub.lubredsms.com/hub/smsapi/send?user=testuser&pass=testpass&sender=TEST&message>HelloWorld&mobile=2348000000000&flash=0
Response	0

Get Credit Balance	http://smshub.lubredsms.com/hub/smsapi/balance?user=testuser&pass=testpass
Response	67.50
Action	API Call – Response Type: XML
Send SMS	http://smshub.lubredsms.com/hub/xmlsmsapi/send?user=testuser&pass=testpass&sender=TEST&message=HelloWorld&mobile=234800000000&flash=0
Response	<pre><smslist> <SMS> <MessageId>8d3fb2fd-4f6d-47c1-8afe-0da6f0be71cc</MessageId> <MobileNo>2348067857036</MobileNo> <StatusCode>0</StatusCode> <StatusDesc>SUCCESSFUL</StatusDesc> </SMS> </smslist></pre>
Get Credit Balance	http://smshub.lubredsms.com/hub/xmlsmsapi/balance?user=testuser&pass=testpass
Response	<pre><CreditBal> <User>testuser</User> <Balance>67.50</Balance> </CreditBal></pre>
Action	API Call – Response Type: JSON
Send SMS	http://smshub.lubredsms.com/hub/jsonsmsapi/send?user=testuser&pass=testpass&sender=TEST&message=HelloWorld&mobile=234800000000&flash=0
Response	<pre>[{ "MessageId": "95e961e0-6db9-4b05-87ee-b8bb927b4050", "MobileNo": "2348067857036", "StatusCode": "0", "StatusDescr": "SUCCESSFUL" }]</pre>
Get Credit Balance	http://smshub.lubredsms.com/hub/jsonsmsapi/balance?user=testuser&pass=testpass
Response	<pre>{ "User": "testuser", "Balance": "67.50" }</pre>

Parameter	Description
user	Username
pass	The HTTP Password set for your account.

sender	Message sender name (SenderID). Alphanumeric sender: max. length 11 characters Numeric sender: max. length 14 characters
message	Message text.
mobile	Recipient GSM number in international format (234803xxxxxx...). To send to multiple recipients, separate numbers with commas.
flash	Flash message – display directly on handset screen Optional parameter: default value = false 0 – false 1 – true

Getting Delivery Report using HTTP/HTTPS GET (Single)

Endpoint	http://smshub.lubredsms.com/hub/jsonsmsapi/DeliveryReport?user=testuser&pass=testpass&messageId=d33f1f3b-ca7a-42d6-bb1d-377699049e
Response	<pre>{ "Data": { "MessageId": "d33f1f3b-ca7a-42d6-bb1d-377699049e", "MobileNo": "234867000000", "DlrStatus": "DELIVRD", "DlrStatusCode": "001", "DlrErrorCode": "000", "DoneDate": "2021-09-21T08:38:59", "Operator": "Airtel", "Country": "NG", "PageCount": 1, "Cost": 2.4500 }, "StatusCode": "0", "StatusDesc": "SUCCESSFUL" }</pre>

Getting Delivery Report using HTTP/HTTPS GET (Bulk)

Endpoint	http://smshub.lubredsms.com/hub/jsonsmsapi/DeliveryReportBulk?user=testuser&pass=testp&size=5000
Response	<pre>{ "Data": [{ "MessageId": "d33f1f3b-ca7a-42d6-bb1d-377699049e", "MobileNo": "234867000000", "DlrStatus": "DELIVRD", "DlrStatusCode": "001", "DlrErrorCode": "000", "DoneDate": "2021-09-21T08:38:59", "Operator": "MTN", "Country": "NG", "PageCount": 1, "Cost": 2.4500 },{ "MessageId": "d33f1f3b-ca7a-42d6-bb1d-377694a80953",</pre>

```

        "MobileNo": "2348121600000",
        "DlrStatus": "DELIVRD",
        "DlrStatusCode": "001",
        "DlrErrorCode": "000",
        "DoneDate": "2021-09-21T08:38:59",
        "Operator": "Airtel",
        "Country": "NG",
        "PageCount": 1,
        "Cost": 2.4500
    }],
    "StatusCode": "0",
    "StatusDesc": "SUCCESSFUL"
}

```

Parameter	Description
user	Username
pass	The HTTP Password set for your account.
messageid	Message Id of the message
size	The total number of delivery report to pull. The max is 5000

Return values

Value	Description
0	SUCCESSFUL
-1	SEND ERROR
-2	NOT ENOUGH CREDIT
-3	NETWORK NOT COVERED
-4	SYSTEM ERROR
-5	INVALID USERNAME OR PASSWORD
-6	MISSING DESTINATION ADDRESS
-7	MISSING SMS TEXT
-8	MISSING SENDER NAME
-9	MISSING USERNAME
-10	MISSING PASSWORD
-11	INVALID SENDERNAME
-12	UNSUPPORTED COUNTRY

Sending SMS Using SMPP

This uses the standard SMPP specification to send messages to the SMSC/gateway. Use the parameter below to configure your SMPP Client.

SMPP Parameter	Values
Server/IP Address	smpp.lubredsms.com
SMPP Port	7979
Version	3.4
Maximum binds	10
Bind Mode	TX or TRX