GateLabs99

API Documentation

The instructions provided are for general usage, if you have any particular request which is not tackled in this manual please do not hesitate to contact us.

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Send SMS – GET Request (HTTPS)

The Https API can be accessed at **http://api.gatelabs99.com/httpSendSms/** .
There are 2 methods of HTTPS API Request:

1. Common Sms Request
2. Multiple Sms Request

The following table shows the parameters which are common for both methods:

Parameter Name	Description	Type
request	This parameter has to be set to **common** when using this method	**Required**
username	Usernames will be set as the user's e-mail address. Therefore this has to be Url Encoded in order to avoid problems on request authentication.	**Required**
key	A key will be attributed to every user too. It will be used to authenticate the request.	**Required**
originator	Here you can specify a number or text to be displayed on the recipients' mobiles as the **Message From**. The available display names will be provided to you on account creation. These have a limit of 16 characters. Also please make sure that these characters are Url Encoded	**Optional**
reportUrl	Here you can specify the url where you would like to receive notifications on message status update. When a message status is updated you will receive a post request on the provided url with the following data: **1. msgID** - Unique message ID **2. status** – Current message status e.g. 'deliveredtonetwork' or 'deliveredtohandset' **3. statusMsg** – Detailed message status Please note that the same message can change its status multiple times therefore there will be multiple post request with the same msgID to the url provided	**Optional**

Therefore both methods can be accessed in this format:

http://api.gatelabs99.com/httpSendSms/?request=**[requestType]**&username=**[email]**&key=**[key]**&originator=**[originator]**&reportUrl=**[reportUrl]**

For each of the method mentioned above there are more parameters which need to be set in order to send messages, therefore please follow through the next sections in order to make use of any of the HTTPS methods.

Common Sms Request

This method is used when you need to send the **same** message to different recipients at the **same** time. The Parameters are as shown below:

Parameter Name	Description	Type
message	Here you have to enter the message content you would like to send. Please make sure to Url Encode characters. For e.g. whitespaces have to be replaced by a 'plus' etc..	**Required**
recipients	The numbers you would like to send the message to. In case of multiple recipients every number has to be seperated by '**;**' which when Url Encoded will translate to '**%3B**'.	**Required**
sendOn	This parameter is used when you would like to schedule the message on a particular date/time. The format for this parameter is as follows (where time is in 24 hours format): **dd-mm-yyyy|HH:mm** When this is not set, the message will be sent on request. If this is set in less that 5 minutes from time of request, the message will not be sent and marked as **failed**.	**Optional**

Request Example:

http://api.gatelabs99.com/httpSendSms/?request=**common**&username=**abc@abc.com**&key=**123456**&reportUrl=**http://abc.com**&originator=**abbreviation**&recipients=**XXXXXXXX;XXXXXXXX**&message=**This+is+a+test+message**&sendOn=**08-12-2016|17:00**

** Please note that all parameters need to be urlencoded*

Multiple Sms Request

This Method is used when you need to send different messages to different users on different scheduled times within the same request. This method has a limit of 100 messages per request. Therefore if you need to send more then 100 messages you have to make 2 requests. The Parameters available are shown below:

Parameter Name	Description	Type
recipient(*x*)	The recipient's mobile number	**Required**
message(*x*)	The message content. Please make sure that the content is Url Encoded. For e.g. whitespaces have to be replaced by a 'plus' etc..	**Required**
sendOn(*x*)	This parameter is used when you would like to schedule the message on a particular date/time. The format for this parameter is as follows (where time is in 24 hours format): **dd-mm-yyyy|HH:mm** When this is not set, the message will be sent on request. If this is set in less that 5 minutes from time of request, the message will not be sent and marked as **failed**.	**Optional**
(x) has to be replaced by a counter. For E.g. Recipient4 will receive Message4 on sendOn4		

Request Example:

http://api.gatelabs99.com/httpSendSms/?request=**common**&username=**abc@abc.com**&key=**123456**&reportUrl=**http://abc.com**&recipient1=**XXXXXXXX**&message1=**This+is+the+first+message**&recipient2=**XXXXXXXX**&message2=**This+is+a+second+different+message**&sendOn2=**08-12-2016|17:00**

** Please note that all parameters need to be urlencoded*

Send SMS – POST Request (XML, JSON)

We have 2 POST requests method, which are:

1. **JSON API**: can be accessed at http://api.gatelabs99.com/jsonSendSms/
2. **XML API:** can be accessed at http://api.gatelabs99.com/xmlSendSms/

The following is the authentication required to send a POST request:

Content-Type	**application/json** or **application/xml**
Authorization Type	Digest
Username	This will be provided to you on creation of account
Realm	“**Restricted**”
Key	The Key will also be provided on creation of user account
Nonce	“**cloudlabs2016!**”
URI	“**/jsonSendSms/**” or “**/xmlSendSms/**”

Response Algorithm	A1 = md5(**username**:**realm**:**key**)
	A2 = md5(POST:**uri**)
	response = md5(A1:**nonce** :A2)

Both methods have 2 types of requests which give you the possibility to either send the same message to multiple users at the same time or send different message to different users at a different time. We will refer to these methods as **Common SMS Request** and **Multiple SMS Request** respectively.

For these two methods there is common data which can/need to be sent with the request:

Parameter Name	**Description**	**Type**

request	Type of request to me made. Can be set as **common** or **multi**	**Required**
originator	Here you can specify a number or text to be displayed on the recipients’ mobiles as the **Message From**.	**Optional**
reportUrl	Here you can specify the url where you would like to receive notifications on message status update. When a message status is updated you will receive a post request on the provided url with the following data: 1. **msgID** - Unique message ID 2. **status** – Current message status e.g. ‘deliveredtonetwork’ or ‘deliveredtohandset’ 3. **statusMsg** – Detailed message status $fields = array('msgID' => $_POST['msgID'], 'status' => $_POST['status'], 'statusMsg' => $_POST['statusMsg']); Please note that the same message can change its status multiple times therefore there will be multiple post request with the same msgID to the url provided	**Optional**

For each of the request types mentioned above, more data can/need to be set in order to send messages, therefore please follow through the next section in order to make use of any of the mentioned request types.

Common SMS Request

For this request the following data can/need to be sent:

Parameter Name	Description	Type
recipients	A list of recepients zou would like to send the message to	**Required**
content	The is where the message content is set.	**Required**
sendOn	This parameter is used when you would like to schedule the message on a particular date/time. The format for this parameter is as follows (where time is in 24 hours format): **dd-mm-yyyy|HH:mm** When this is not set, the message will be sent on request. If this is set in less that 5 minutes from time of request, the message will not be sent and marked as **failed**.	**Optional**

JSON body example:

```
{
        "request":"common",
        "originator":"xxxx",
        "reportUrl":"http://yyy.com",
        "content":"Message Content Goes Here",
        "recipients":
                [
                "xxxxxxxxx",
                " xxxxxxxxx ",
                " xxxxxxxxx ",
                " xxxxxxxxx "
                ],
        "sendOn":"dd-mm-yyyy|hh:mm"
}
```

XML body example:

```
<?xml version="1.0" encoding="utf-8"?>
<data>
        <request>common</request>
        <originator>xxx</originator>
        <reportUrl> http://yyy.com</reportUrl>
        <content>Common Message Text</content>
        <sendOn>dd-mm-yyyy|hh:mm</sendOn>
        <recipients>
                <recipient>XXXXXXXX</recipient>
                <recipient>XXXXXXXX </recipient>
                <recipient>XXXXXXXX </recipient>
        </recipients>
</data>
```

Multiple SMS Request

For this request the following data can/need to be sent in a list of messages. Therefore the following data can/need to be set for each and every message:

Parameter Name	Description	Type
recipient	The mobile number you would like to send the message to.	**Required**
content	The message text you would like to send	**Required**
sendOn	When you would like to schedule the message. The format for this parameter is as follows (where time is in 24 hours format): **dd-mm-yyyy|HH:mm** When this is not set, the message will be sent on request. If this is set in less that 5 minutes from time of request, the message will not be sent and marked as **failed**.	**Optional**

JSON body example:

```
{
        "request":"multi",
        "originator":"xxxx",
        "reportUrl":"http://yyy.com",
        "messages":
                [{ "recipient":" xxxxxxxx ",
                   "content":"Message Text",
                   "sendOn":"dd-mm-yyyy|hh:mm"
                },
                {  "recipient":"xxxxxxxx",
                   "content":"Different Text",
                }]
}
```

XML body example:

```
<data>
        <request>multi</request>
        <originator>xxx</originator>
        <reportUrl> http://yyy.com</reportUrl>
        <messages>
                <message>
                        <recipient>XXXXXXXX</recipient>
                        <content>Message Text</content>
                </message>
                <message>
                        <recipient>XXXXXXXX</recipient>
                        <content>Different Message Text</content>
                        <sendOn>dd-mm-yyyy|hh:mm</sendOn>
                </message>
        </messages>
</data>
```

POST Request example using the JSON API for Multiple Messages

```
//Build up the Valid Response
$A1 = md5($username . ':' . $realm . ':' . $key);
$A2 = md5('POST:/jsonSendSms/');
$valid_response = md5($A1.':'. $nonce .':'.$A2);
//Create the Messages to be sent
$messages = array();
$recipients = array('+35677777777', '+35699999999', '+35679797979',
'+35677997799');
for ( $i = 0; $i <= 4; $i++ ){
  $messages[$i]['recipient'] = $recipients[$i];
  $messages[$i]['content'] = 'This is a multi Json Test ';
  $messages[$i]['type'] = 'SMS:TEXT';
  //Optional - only if you want to set the message to be sent in the future
  $messages[$i]['sendOn'] = date('d-m-Y|H:i', ( strtotime( 'now' ) + 600 ) );
}
//Set the data which is going to sent in request
$data = array(
 "request" => 'multi',
 "reportUrl" => "http://yyy.com", //Optional if you want to receive status
report notification
  "originator" => '70707070', //Message Sender Display Name
  "messages" => $messages,
);
//JSON Encode data before sending it
$data = json_encode($data);
//Prepare CURL Request
$curl = curl_init();
curl_setopt_array($curl, array(
  CURLOPT_URL => 'http://api.gatelabs99.com/jsonSendSms/',
  CURLOPT_HTTPHEADER     => array(
     'Content-Type: application/json',
     'Authorization: Digest username="'.$username.'", realm="'.$realm.'",
nonce="'.$nonce.'", uri="'.$uri.'", response="'. $valid_response .'", opaque=""'
  ),
  CURLOPT_RETURNTRANSFER => true,
  CURLOPT_FOLLOWLOCATION => true,
  CURLOPT_POST          => true,
  CURLOPT_POSTFIELDS     => $data
));
//Execute Curl Request
$resp = curl_exec($curl);
//Process Curl Response Here
//Close Curl Request
curl_close($curl);
```

Fetch Message Status

This pull request is used when you need to get the status of a message/s which you have sent by their message ID. There are three methods for this request :

- HTTP – **GET Request**
- XML – **POST Request**
- JSON – **POST Request**

The usage of the above methods is explained below.

Please note that for both **POST Requests** (XML and JSON) the following authentication is required (the same authentication when sending sms)

Content-Type	**application/json** or **application/xml**
Authorization Type	Digest
Username	This will be provided to you on creation of account
Realm	“**Restricted**”
Key	The Key will also be provided on creation of user account
Nonce	“**cloudlabs2016!**”
URI	“**/jsonSendSms/**” or “**/xmlSendSms/**”

Response Algorithm	A1 = md5(**username**:**realm**:**key**)
	A2 = md5(POST:**uri**)
	response = md5(A1:**nonce** :A2)

HTTP – Get Request

The pull request can be accessed at **http://api.gatelabs99.com/messages/httpStatus/**

The following table shows the parameters which are required in order to fetch the message status:

Parameter Name	Description	Type
Username	Usernames will be set as the user’s e-mail address. Therefore this has to be Url Encoded in order to avoid problems on request authentication.	**Required**
Key	A key will be attributed to every user too. It will be used to authenticate the request.	**Required**
msgID[]	The message ID allocated to the message you would like to fetch information about	**Required**

You can request multiple message status in one request as shown in this example:

http://api.gatelabs99.com/messages/httpStatus/?username=abc%40xyz.com&key=testKey123&msgID[]=d8a11177-4bd3-4096-9ebf-6abcb5533710&msgID[]=67841e13-8192-43b6-9de8-51cddfd52de1

JSON – Post Request

The pull request can be accessed at **http://api.gatelabs99.com/messages/jsonStatus/**

For this request the following data need to be sent:

Parameter Name	Description	Type
msgIDS	A list of message IDS you would like to request about	**Required**

JSON body example:

```
{
        " msgIDs ":
                [
                 "d8a11177-4bd3-4096-9ebf-6abcb5533710",
                 "67841e13-8192-43b6-9de8-51cddfd52de1"
                ]
}
```

XML – Post Request

The pull request can be accessed at **http://api.gatelabs99.com/messages/xmlStatus/**

For this request the following data need to be sent:

Parameter Name	Description	Type
msgIDS	A list of message IDS you would like to request about	**Required**

XML body example:

```
<data>
        < msgIDs >
                < msgID >d8a11177-4bd3-4096-9ebf-6abcb5533710</msgID >
        < msgID >67841e13-8192-43b6-9de8-51cddfd52de1</msgID >
    </ msgIDs >
</data>
```