**Rest API Sample Document**

**POST**

URL : http://www.yourdomain.com/RestAPI/MT.svc/mt

**XML**

Single Message

<SmsQueue><Account><User>abc</User><Password>123</Password><SenderId>WEBSMS</SenderId><Channel>1</Channel><DCS>0</DCS><FlashSms>0</FlashSms><Route>1</Route></Account><Messages><Message><Number>9198981XXXXX</Number><Text>Messge from xml</Text></Message></Messages></SmsQueue>

Multi Message

<SmsQueue><Account><User>abc</User><Password>123</Password><SenderId>WEBSMS</SenderId><Channel>1</Channel><DCS>0</DCS><FlashSms>0</FlashSms><Route>1</Route></Account><Messages><Message><Number>9198981XXXXX</Number><Text>First message from xml</Text></Message><Message><Number>9198982XXXXX</Number><Text>Second messge from xml</Text></Message></Messages></SmsQueue>

Response

<SmsResponse><ErrorCode>000</ErrorCode><ErrorMessage>Success</ErrorMessage><JobId>2463227</JobId><MessageData><Messages><Number>919898xxxxxx</Number><MessageId>Jb7qIygj2kGp63Q0ZE0rjw</MessageId></Messages></MessageData></SmsResponse>

**Json**

Single Message

{"Account":{"User":"ru1","Password":"ru1","SenderId":"WEBSMS","Channel":"1","DCS":"0","SchedTime":null,"GroupId":null},"Messages":[{"Number":"9198981xxxxx","Text":"First message from xml"}]}

Multi Message

{"Account":{"User":"ru1","Password":"ru1","SenderId":"WEBSMS","Channel":"1","DCS":"0","SchedTime":null,"GroupId":null},"Messages":[{"Number":"9198981XXXXX","Text":"First message from xml"},{"Number":"9198982XXXXX","Text":"Second messge from xml"}]}

Response

{"ErrorCode":"000","ErrorMessage":"Success","JobId":"2463357","MessageData":[{"Number":"919898xxxxxx ","MessageId":"9PiChO8iREyOWcoclxU7sw"}]}

**Supported Content Type**

XML : request.ContentType = "application/xml"

**&**

Json : request.ContentType = "application/json";

**GET**

XML

URL : http://www.yourdomain.com/RestAPI/MT.svc/mt?data=

Single Message

<SmsQueue><Account><User>abc</User><Password>123</Password><SenderId>WEBSMS</SenderId><Channel>1</Channel><DCS>0</DCS><FlashSms>0</FlashSms><Route>1</Route></Account><Messages><Message><Number>9198981XXXXX</Number><Text>Messge from xml</Text></Message></Messages></SmsQueue>

Multi Message

<SmsQueue><Account><User>abc</User><Password>123</Password><SenderId>WEBSMS</SenderId><Channel>1</Channel><DCS>0</DCS><FlashSms>0</FlashSms><Route>1</Route></Account><Messages><Message><Number>9198981XXXXX</Number><Text>First message from xml</Text></Message><Message><Number>9198982XXXXX</Number><Text>Second messge from xml</Text></Message></Messages></SmsQueue>

Response

<SmsResponse><ErrorCode>000</ErrorCode><ErrorMessage>Success</ErrorMessage><JobId>2463227</JobId><MessageData><Messages><Number>919898xxxxxx</Number><MessageId>Jb7qIygj2kGp63Q0ZE0rjw</MessageId></Messages></MessageData></SmsResponse>

**Methods**

POST

GET

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Parameter Value** | **Description** | |
| **Account** | | | |
| User | abc | | Your system login name |
| Password | 111 | | Your system password |
| SenderId | WEBSMS | | Sender id which you want to relay message from |
| Channel | 1 / Promo (for Promotional) 2 / Trans (for Transactional) | | To send from which channel you want to send message promotional or transactional |
| DCS | 0 (for PlainText)  5 (for Binary)  8 (for Unicode) | | Appropriate data-coding will affect the message submission  Multiple language supporting |
| FlashSms | 0 (Normal SMS)  1 (Flash SMS / Immediate Display) | | To send immediate display message pass 1 else normal message pass 0 |
| **Optional Parameters** | | | |
| SchedTime | 2015/12/31 22:35:00 PM  YYYY/MM/DD HH:MM:SS AM/PM | | Set the date and time to schedule messages |
| GroupId | ### Group Id | | Group Id from My Groups Page |
| Route | 1/2/3/# Route Id | | Route id from which route gateway you want to send sms |
| **Messages** | | | |
| Number | 919898xxxxx | Message recipient | |
| Text | Hello world my first message. | Message to send | |

**ErrorCodes**

Below are the error codes which you can receive after message submission.

|  |  |
| --- | --- |
| **Error Code** | **Description** |
| 000 | Success |
| 001 | login details cannot be blank |
| 003 | sender cannot be blank |
| 004 | message text cannot be blank |
| 005 | message data cannot be blank |
| 006 | error: generic error description |
| 007 | username or password is invalid |
| 008 | account not active |
| 009 | account locked, contact your account manager |
| 010 | api restriction |
| 011 | ip address restriction |
| 012 | invalid length of message text |
| 013 | mobile numbers not valid |
| 014 | account locked due to spam message contact support |
| 015 | senderid not valid |
| 017 | groupid not valid |
| 018 | multi message to group is not supported |
| 019 | schedule date is not valid |
| 020 | message or mobile number cannot be blank |
| 021 | insufficient credits |
| 022 | invalid jobid |
| 023 | parameter missing |
| 024 | invalid template or template mismatch |
| 025 | {Field} can not be blank or empty |
| 026 | invalid date range |
| 027 | invalid optin user |

**Other URLS**

1) Balance

<http://www.yourdomain.com/RestAPI/MT.svc/balance?user=aa&password=aa>

<BalanceResponse><ErrorCode>0</ErrorCode><ErrorMessage>Success</ErrorMessage><Balance>P:9#T:10</Balance></BalanceResponse>

2) Delivery Report

<http://www.yourdomain.com/RestAPI/MT.svc/report/2463357>

XML

<DeliveryReportResponse><ErrorCode>0</ErrorCode><ErrorMessage>Success</ErrorMessage><Messag/><DeliveryReports><DeliveryReport><MessageId>6lScvygr5Uiw32Hus7DJRg</MessageId><DeliveryStatus>Delivered</DeliveryStatus><DeliveryDate>2015-11-22T00:02:52.247</DeliveryDate></DeliveryReport><DeliveryReport><MessageId>6lScvygr5Uiw32Hus7DJRg</MessageId><DeliveryStatus>Delivered</DeliveryStatus><DeliveryDate>2015-11-22T00:02:57.483</DeliveryDate></DeliveryReport></DeliveryReports></DeliveryReportResponse>

Json

{"ErrorCode":"0","ErrorMessage":"Success","MessageId":null,"DeliveryReports":[{"MessageId":"6lScvygr5Uiw32Hus7DJRg","DeliveryStatus":"Delivered","DeliveryDate":"\/Date(1448130772247+0530)\/"},{"MessageId":"6lScvygr5Uiw32Hus7DJRg","DeliveryStatus":"Delivered","DeliveryDate":"\/Date(1448130777483+0530)\/"}]}

=> Bulk SMS API PHP Get Method JSON

<?php

function callAPI($method, $url, $data){

$curl = curl\_init();

switch ($method){

case "POST":

curl\_setopt($curl, CURLOPT\_POST, 1);

if ($data)

curl\_setopt($curl, CURLOPT\_POSTFIELDS, $data);

break;

case "PUT":

curl\_setopt($curl, CURLOPT\_CUSTOMREQUEST, "PUT");

if ($data)

curl\_setopt($curl, CURLOPT\_POSTFIELDS, $data);

break;

default:

if ($data)

$url = sprintf("%s?%s", $url, http\_build\_query($data));

}

// OPTIONS:

curl\_setopt($curl, CURLOPT\_URL, $url);

curl\_setopt($curl, CURLOPT\_HTTPHEADER, array(

'Content-Type: application/json',

));

curl\_setopt($curl, CURLOPT\_RETURNTRANSFER, 1);

curl\_setopt($curl, CURLOPT\_HTTPAUTH, CURLAUTH\_BASIC);

// EXECUTE:

$result = curl\_exec($curl);

if(!$result){die("Connection Failure");}

curl\_close($curl);

return $result;

} ?>

//Main code

$get\_data = callAPI('GET','http://yourdomain.com/api/mt/SendSMS?user=demo&password=demo123&senderid=WEBSMS&channel=Promo&DCS=0&flashsms=0&number=91989xxxxxxx&text=test message&route=##', false);

$response = json\_decode($get\_data, true);

Output:

{"Account":{"User":"ru1","Password":"ru1","SenderId":"WEBSMS","Channel":"1","DCS":"0","SchedTime":null,"GroupId":null},"Messages":[{"Number":"9198981xxxxx","Text":"First message from xml"}]}

Bulk SMS API PHP POST Method with JSON

<?php

function callAPI($method, $url, $data){

$curl = curl\_init();

switch ($method){

case "POST":

curl\_setopt($curl, CURLOPT\_POST, 1);

if ($data)

curl\_setopt($curl, CURLOPT\_POSTFIELDS, $data);

break;

case "PUT":

curl\_setopt($curl, CURLOPT\_CUSTOMREQUEST, "PUT");

if ($data)

curl\_setopt($curl, CURLOPT\_POSTFIELDS, $data);

break;

default:

if ($data)

$url = sprintf("%s?%s", $url, http\_build\_query($data));

}

// OPTIONS:

curl\_setopt($curl, CURLOPT\_URL, $url);

curl\_setopt($curl, CURLOPT\_HTTPHEADER, array(

'Content-Type: application/json',

));

curl\_setopt($curl, CURLOPT\_RETURNTRANSFER, 1);

curl\_setopt($curl, CURLOPT\_HTTPAUTH, CURLAUTH\_BASIC);

// EXECUTE:

$result = curl\_exec($curl);

if(!$result){die("Connection Failure");}

curl\_close($curl);

return $result;

} ?>

<?php

//Main code

$data\_array="{"Account":{"APIKey":null,"User":"demo","Password":"demo","SenderId":"SMPSMS","Channel":"Promo","DCS":"0","FlashSms":0,"SchedTime":null,"GroupId":null,"Route":2},"Messages":[{"Number":"91XXXXXXXX","Text":"Hello google thanks"}]} ";

$make\_call = callAPI('POST','http://yourdomain.com/RestAPI/MT.svc/mt?data=',$data\_array);

$response = json\_decode($make\_call, true);

?>

**OUTPUT**

{"Account":{"User":"ru1","Password":"ru1","SenderId":"WEBSMS","Channel":"1","DCS":"0","SchedTime":null,"GroupId":null},"Messages":[{"Number":"9198981xxxxx","Text":"First message from xml"}]}

=> Bulk SMS API PHP POST Method with XML

<?php

$xml\_data ="<SmsQueue><Account><User>testuser</User><Password>testuser</Password><SenderId>WEBSMS</SenderId><Channel>trans</Channel><Route>04</Route><DCS>0</DCS><FlashSms>0</FlashSms></Account><Messages> <Message><Number>919712723131</Number><Text>This is test message</Text></Message></Messages></SmsQueue>";

$URL = "'http://yourdomain.com/RestAPI/MT.svc/mt?data=";

$ch = curl\_init($URL);

curl\_setopt($ch, CURLOPT\_MUTE, 1);

curl\_setopt($ch, CURLOPT\_SSL\_VERIFYHOST, 0);

curl\_setopt($ch, CURLOPT\_SSL\_VERIFYPEER, 0);

curl\_setopt($ch, CURLOPT\_POST, 1);

curl\_setopt($ch, CURLOPT\_HTTPHEADER, array('Content-Type: text/xml'));

curl\_setopt($ch, CURLOPT\_POSTFIELDS, "$xml\_data");

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, 1);

$output = curl\_exec($ch);

curl\_close($ch);

?>

**OUTPUT**

<SmsRespons><ErrorCode>000</ErrorCode><ErrorMessage>Done</ErrorMessage><JobId>20042</JobId><MessageData><Messages><Number>91999xxxxxxx</Number><MessageId>qY100LoTRUOoHU2gzFcrWA</MessageId></Messages></MessageData></SmsRespons>

=> Bulk SMS API PHP GET Method with XML

<?php

function callAPI($method, $url, $data){

$curl = curl\_init();

switch ($method){

case "POST":

curl\_setopt($curl, CURLOPT\_POST, 1);

if ($data)

curl\_setopt($curl, CURLOPT\_POSTFIELDS, $data);

break;

case "PUT":

curl\_setopt($curl, CURLOPT\_CUSTOMREQUEST, "PUT");

if ($data)

curl\_setopt($curl, CURLOPT\_POSTFIELDS, $data);

break;

default:

if ($data)

$url = sprintf("%s?%s", $url, http\_build\_query($data));

}

// OPTIONS:

curl\_setopt($curl, CURLOPT\_URL, $url);

curl\_setopt($curl, CURLOPT\_HTTPHEADER, array('Content-Type: text/xml',));

curl\_setopt($curl, CURLOPT\_RETURNTRANSFER, 1);

curl\_setopt($curl, CURLOPT\_HTTPAUTH, CURLAUTH\_BASIC);

// EXECUTE:

$result = curl\_exec($curl);

if(!$result){die("Connection Failure");}

curl\_close($curl);

return $result;

} ?>

//Main code

$get\_data = callAPI('GET','http://yourdomain.com/api/mt/SendSMS?user=demo&password=demo123&senderid=WEBSMS&channel=Promo&DCS=0&flashsms=0&number=91989xxxxxxx&text=test message&route=##', false);

$response = $get\_data;

**OUTPUT**

<SmsRespons><ErrorCode>000</ErrorCode><ErrorMessage>Done</ErrorMessage><JobId>20042</JobId><MessageData><Messages><Number>91999xxxxxxx</Number><MessageId>qY100LoTRUOoHU2gzFcrWA</MessageId></Messages></MessageData></SmsRespons>

=> Bulk SMS API ASP.NET Get Method

1. (XML OUTPUT)

using System;

using System.Text;

using System.IO;

using System.Net;

using System.Net.Http;

using System.Web.Script.Serialization;

namespace TEST.TestcSharpApi {

class ApiTest

{

public static string GetXMLResponse(string sURL)

{

HttpWebRequest request = (HttpWebRequest)WebRequest.Create(sURL);

request.MaximumAutomaticRedirections = 4;

request.Credentials = CredentialCache.DefaultCredentials;

request.ContentType = "application/xml; charset=utf-8";

try

{

HttpWebResponse response = (HttpWebResponse)request.GetResponse();

Stream receiveStream = response.GetResponseStream(

);

StreamReader readStream = new StreamReader(receiveStream, Encoding.UTF8);

string sResponse = readStream.ReadToEnd();

response.Close();

readStream.Close();

return sResponse;

}

catch (Exception ex)

{

return ex.ToString();

}

} } }

//Main code

string sAPIKey = "XXXXXX";

string sNumber = "9197XXXXXX";

string sMessage = "Test SMS From Our Company";

string sSenderID = "WEBSMS";

string sChannel = "promo";

string sRoute = "15";

string sResponse = "";

string sURL = "";

if (string.IsNullOrWhiteSpace(txtInput.Text))

{

sURL = "http://yourdomain.com/api/mt/SendSMS?APIKEY=" + sAPIKey + "&senderid=" + sSenderID + "&channel=" + sChannel + "&DCS=0&flashsms=0&number=" + sNumber + "&text=" + sMessage + "& route = " + sRoute;

}

sResponse = ApiTest.GetXMLResponse(sURL);

Response.Write(sResponse);

**OUTPUT**

<SmsRespons><ErrorCode>000</ErrorCode><ErrorMessage>Done</ErrorMessage><JobId>20042</JobId><MessageData><Messages><Number>91999xxxxxxx</Number><MessageId>qY100LoTRUOoHU2gzFcrWA</MessageId></Messages></MessageData></SmsRespons>

2. (JSON OUTPUT)

using System;

using System.Text;

using System.IO;

using System.Net;

using System.Net.Http;

using System.Web.Script.Serialization;

namespace TEST.TestcSharpApi

{

class ApiTest

{

public static string GetJSONResponse(string sURL)

{

HttpWebRequest request = (HttpWebRequest)WebRequest.Create(sURL);

request.MaximumAutomaticRedirections = 4;

request.Credentials = CredentialCache.DefaultCredentials;

request.ContentType = "application/json; charset=utf-8";

try

{

HttpWebResponse response = (HttpWebResponse)request.GetResponse();

Stream receiveStream = response.GetResponseStream(

);

StreamReader readStream = new StreamReader(receiveStream, Encoding.UTF8);

string sResponse = readStream.ReadToEnd();

response.Close();

readStream.Close();

return sResponse;

}

catch (Exception ex)

{

return ex.ToString();

}

}

}

}

//Main code

string sAPIKey = "XXXXXX";

string sNumber = "9197XXXXXX";

string sMessage = "Test SMS From Our Company";

string sSenderID = "WEBSMS";

string sChannel = "promo";

string sRoute = "15";

string sResponse = "";

string sURL = "";

if (string.IsNullOrWhiteSpace(txtInput.Text))

{

sURL = "http://yourdomain.com/api/mt/SendSMS?APIKEY=" + sAPIKey + "&senderid=" + sSenderID + "&channel=" + sChannel + "&DCS=0&flashsms=0&number=" + sNumber + "&text=" + sMessage + "& route = " + sRoute;

}

sResponse = ApiTest.GetJSONResponse(sURL);

Response.Write(sResponse);

**Output:**

{"ErrorCode":"000","ErrorMessage":"Done","JobId":"20047","MessageData":[{"Number":"91989xxxxxxx","MessageId":"mvHdpSyS7UOs9hjxixQLvw"},{"Number":"917405080952","MessageId":"PfivClgH20iG6G5R3usHwA"}]}

=> Bulk SMS API ASP.NET POST Method

1. (XML OUTPUT)

using System;

using System.Text;

using System.IO;

using System.Net;

using System.Net.Http;

using System.Web.Script.Serialization;

namespace TEST.TestcSharpApi

{

class ApiTest

{

public static string PostXMLData(string destinationUrl, string requestXml)

{

HttpWebRequest req = (HttpWebRequest)WebRequest.Create(destinationUrl);

byte[] requestBytes = System.Text.Encoding.ASCII.GetBytes(requestXml);

req.Method = "POST";

req.ContentType = "text/xml;charset=utf-8";

req.ContentLength = requestBytes.Length;

Stream requestStream = req.GetRequestStream();

requestStream.Write(requestBytes, 0, requestBytes.Length);

requestStream.Close();

HttpWebResponse res = (HttpWebResponse)req.GetResponse();

StreamReader sr = new StreamReader(res.GetResponseStream(), System.Text.Encoding.Default);

string backstr = sr.ReadToEnd();

sr.Close();

res.Close();

return backstr;

}

}

}

//MainCode

try

{

string destinationUrl =" http://yourdomain.com/RestAPI/MT.svc/mt?data=";

string requestXml = "<SmsQueue><Account><User>testuser</User><Password>testuser</Password><SenderId>WEBSMS</SenderId> <Channel>trans</Channel><Route>04</Route><DCS>0</DCS><FlashSms>0</FlashSms></Account><Messages> <Message><Number>919712723131</Number><Text>This is test message</Text></Message></Messages></SmsQueue>";

string sResponse = "";

sResponse = ApiTest.PostXMLData(destinationUrl, requestXml).ToString();

}

catch (Exception ex)

{

MessageBox.Show("Error => " + ex.Message + " \r\n Inner Exception =>" + ex.InnerException + "\r\n Trace "+ex.StackTrace);

}

Output:

<SmsRespons><ErrorCode>000</ErrorCode><ErrorMessage>Done</ErrorMessage><JobId>20042</JobId><MessageData><Messages><Number>91999xxxxxxx</Number><MessageId>qY100LoTRUOoHU2gzFcrWA</MessageId></Messages></MessageData></SmsRespons>

2. (JSON OUTPUT)

using System;

using System.Text;

using System.IO;

using System.Net;

using System.Net.Http;

using System.Web.Script.Serialization;

namespace TEST.TestcSharpApi

{

class ApiTest

{

public static string PostJsonAPI(string sURL,string jsoninput)

{

var httpWebRequest = (HttpWebRequest)WebRequest.Create(sURL);

httpWebRequest.ContentType = "application/json";

httpWebRequest.Method = "POST";

using (var streamWriter = new

StreamWriter(httpWebRequest.GetRequestStream()))

{

string json = new JavaScriptSerializer().Serialize(jsoninput);

streamWriter.Write(jsoninput);

}

var httpResponse = (HttpWebResponse)httpWebRequest.GetResponse();

using (var streamReader = new StreamReader(httpResponse.GetResponseStream()))

{

return streamReader.ReadToEnd();

}

using (var client = new HttpClient())

{

}

}

}

}

//MainCode

try

{

string destinationUrl =" [http://yourdomain.com/RestAPI/MT.svc/mt?data](http://smppsmshub.in/RestAPI/MT.svc/mt?data)=";

string requestXml

="{"Account":{"APIKey":null,"User":"demo","Password":"demo","SenderId":"SMPSMS","Channel":"Promo","DCS":"0","FlashSms":0,"SchedTime":null,"GroupId":null,"Route":2},"Messages":[{"Number":"91XXXXXXXX","Text":"Hello google thanks"}]} ";

string sResponse = "";

sResponse = ApiTest.PostJsonAPI(destinationUrl, requestXml).ToString();

}

catch (Exception ex)

{

MessageBox.Show("Error => " + ex.Message + " \r\n Inner Exception =>" + ex.InnerException + "\r\n Trace "+ex.StackTrace);

}

Output:

{"ErrorCode":"000","ErrorMessage":"Done","JobId":"20047","MessageData":[{"Number":"91989xxxxxxx","MessageId":"mvHdpSyS7UOs9hjxixQLvw"},{"Number":"917405080952","MessageId":"PfivClgH20iG6G5R3usHwA"}]}

=> Bulk SMS API JAVA GET Method

import java.net.\*;

public class Java\_example\_httprequest {

public static void main(String[] args) {

try {

String requestUrl = "http://yourdomain.com/api/mt/SendSMSuser=demo&password=demo123&senderid=WEBSMS&channel=Promo&DCS=0&flashsms=0&number=91989xxxxxxx&text=test message&route=##”;

URL url = new URL(requestUrl);

HttpURLConnection uc = (HttpURLConnection)url.openConnection();

System.out.println(uc.getResponseMessage());

uc.disconnect();

} catch(Exception ex) {

System.out.println(ex.getMessage());

}

}

}

Output:

<SmsRespons><ErrorCode>000</ErrorCode><ErrorMessage>Done</ErrorMessage><JobId>20042</JobId><MessageData><Messages><Number>91999xxxxxxx</Number><MessageId>qY100LoTRUOoHU2gzFcrWA</MessageId></Messages></MessageData></SmsRespons>