

TELETWEET MARKETIX

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Rest API Sample Document

POST

URL : <http://tweet.teletweet.com/RestAPI/MT.svc/mt>

XML

Single Message

```
<SmsQueue><Account><User>abc</User><Password>123</Password><SenderId>TTWEET</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>TTWEET</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>919898xxxxx</Number><MessageId>Jb7qlygj2kGp63Q0ZE0rjw</MessageId></Messages></MessageData></SmsResponse>
```

Json

Single Message

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

Multi Message

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

Response

```
{"ErrorCode":"000","ErrorMessage":"Success","JobId":"2463357","MessageData":[{"Number":"919898xxxxxx"}, {"MessageId":"9PiCh08iREyOWcoclxU7sw"}]}
```

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>TTWEET</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>TTWEET</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>919898xxxxx</Number><MessageId>Jb7qlygj2kGp63Q0ZE0rjw</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	TTWEET	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><Message/><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=TTWEET&channel=Promo&DCS=0&flashsms=0&number=91989xxxxxx&text=test message&route=##', false);

$response = json_decode($get_data, true);
```

Output:

```
{"Account":{"User":"ru1","Password":"ru1","SenderId":"TTWEET","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\":\"TTWEET\",\"Channel\":\"Promo\",\"DCS\":\"0\",\"FlashSms\":0,\"SchedTime\":null,\"GroupId\":null,\"Route\":2},\"Messages\":[\"Number\":\"91XXXXXXX\",\"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\":\"TTWEET\",\"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
="
```

OUTPUT

```
<SmsRespos><ErrorCode>000</ErrorCode><ErrorMessage>Done</ErrorMessage><JobId>20042</JobId>
<MessageData><Messages><Number>91999xxxxxx</Number><MessageId>qY100LoTRUOoHU2gzFcrW
A</MessageId></Messages></MessageData></SmsRespos>
```

=> 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=TTWEET&channel=Promo&DCS=0&flashsms=0&number=91989xxxxxxx&text=test message&route=##', false);

$response = $get_data;
```

OUTPUT

```
<SmsRespon><ErrorCode>000</ErrorCode><ErrorMessage>Done</ErrorMessage><JobId>20042</JobId>
<MessageData><Messages><Number>91999xxxxxxx</Number><MessageId>qY100LoTRUOoHU2gzFcrW
A</MessageId></Messages></MessageData></SmsRespon>
```

=> 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 = "TTWEET";
string sChannel = "promo";
string sRoute = "15";
string sResponse = "";
string sURL = "";
if (string.IsNullOrEmpty(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>91999xxxxxx</Number><MessageId>qY100LoTRUOoHU2gzFcrW
A</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 = "TTWEET";
string sChannel = "promo";
string sRoute = "15";
string sResponse = "";
string sURL = "";
if (string.IsNullOrEmpty(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>TTWEET</SenderId>
    <Channel>trans</Channel><Route>04</Route><DCS>0</DCS><FlashSms>0</FlashSms></Account><Messages>
    <Message><Number>917829003235</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:

```
<SmsRespon><ErrorCode>000</ErrorCode><ErrorMessage>Done</ErrorMessage><JobId>20042</JobId><MessageData
><Messages><Number>91999xxxxxxx</Number><MessageId>qY100LoTRUo0HU2gzFcrWA</MessageId></Messages></Messa
geData></SmsRespon>
```

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=";
    string requestXml
        = "{\"Account\":{\"APIKey\":null,\"User\":\"demo\",\"Password\":\"demo\",\"SenderId\":\"TTWEET\",\"Channel\":\"Promo\",\"DCS\":\"0\",\"Flas
        hSms\":0,\"SchedTime\":null,\"GroupId\":null,\"Route\":2},\"Messages\":[{\"Number\":\"91XXXXXXX\",\"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\":\"91989xxxxxx\",\"MessageId\":\"mvHdpSyS7UOs9hj
xixQLwv\"},{\"Number\":\"917405080952\",\"MessageId\":\"PfvClgH20iG6G5R3usHwA\"}}
```

=> 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=TTWEET&channel=Promo
&DCS=0&flashsms=0&number=91989xxxxxx&text=test message&route=##";

URL url = new URL(requestUrl);
URLConnection uc = (URLConnection)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>91999xxxxxx</Number><MessageId>qY100LoTRUOoHU2gzFcrWA</MessageId></Messages></MessageData></SmsRespons>
```