



HTTP Post API Documentation
Version 1.0e

Application Programming Interface (API)?

An application programming interface (API) specifies how some software components should interact with each other. In addition to accessing databases or computer hardware, such as hard disk drives or video cards, an API can be used to ease the work of programming graphical user interface components. In practice, most often an API is a library that includes specifications for routines, data structures, object classes, and variables. Web APIs are also a vital component of today's web fabric. An API differs from an application binary interface (ABI) in that an API is source code based while an ABI is a binary interface. For instance POSIX is an API, while the Linux Standard Base is an ABI.

When used in the context of web development, an API is typically defined as a set of Hypertext Transfer Protocol (HTTP) request messages, along with a definition of the structure of response messages, which is usually in an Extensible Markup Language (XML) or JavaScript Object Notation (JSON) format.

HTTP Post

POST is one of many request methods supported by the HTTP protocol used by the World Wide Web. The POST request method is designed to request that a web server accept the data enclosed in the request message's body for storage. It is often used when uploading a file or submitting a completed web form.

SMSMKT API

We provide API for sending Short Messages (SMS) through SMSMKT Gateway using HTTP Protocol in the form of HTTP Post. The API we provide for HTTP Post are as follow :

1. Check Credit
2. Send Message

Check Credit

API provided for checking Users remaining SMS credits with SMSMKT

Connecting URL

Standard URL: <http://member.smsmkt.com/SMSLink/GetCredit/index.php>

SSL URL: <https://member.smsmkt.com/SMSLink/GetCredit/index.php>

Input Parameter

Parameters	Description	Type	Null	Example
Username	Username registered with SMSMKT	String	Not allowed	Member
Password	Password used for username	String	Not allowed	1234

Output Format

Status={Error Code},Detail={Status Details}

Error Code

Error Code	Details
0	Successfully
-101	Parameter not complete.
-102	Database is not ready.
-103	Invalid User / Invalid Password.
-107	Your account is expired.
-109	System is not ready. Please try to post again later.
-110	Your account has been Locked.

Example

Example Using PHP

```

1  <?PHP
2  $Username = "member";
3  $Password = "123456";
4
5  $Parameter = "User=$Username&Password=$Password";
6  $API_URL = "http://member.smsmkt.com/SMSLink/GetCredit/index.php";
7
8  $ch = curl_init();
9  curl_setopt($ch,CURLOPT_URL,$API_URL);
10 curl_setopt($ch,CURLOPT_RETURNTRANSFER,1);
11 curl_setopt($ch,CURLOPT_POST,1);
12 curl_setopt($ch,CURLOPT_POSTFIELDS,$Parameter);
13
14 $Result = curl_exec($ch);
15 curl_close($ch);
16 echo($Result);
17 ?>
```

Example Using C#.NET

```

1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Web;
5  using System.Web.UI;
6  using System.Web.UI.WebControls;
7  using System.Net;
8
9  public partial class CallCheckCredit : System.Web.UI.Page
10 {
11     protected void Page_Load(object sender, EventArgs e)
12     {
13         String Username = "member";
14         String Password = "123456";
15
16         String Parameters = String.Format("?User={0}&Password={1}", Username, Password);
17         String API_URL = "http://member.smsmkt.com/SMSLink/GetCredit/index.php";
18
19         WebClient webc = new WebClient();
20         String Result = webc.DownloadString(API_URL + Parameters);
21         Response.Write(Result);
22     }
23 }

```

Example Using VB.NET

```

1  Imports System.Net
2
3  Partial Class _Default
4      Inherits System.Web.UI.Page
5
6      Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
7          Dim Username As String = "member"
8          Dim Password As String = "123456"
9
10         Dim Parameter As String = String.Format("?User={0}&Password={1}", Username, Password)
11         Dim API_URL As String = "http://member.smsmkt.com/SMSLink/GetCredit/index.php"
12
13         Dim Webc As New WebClient()
14         Dim Result As String = Webc.DownloadString(API_URL & Parameter)
15         Response.Write(Result)
16     End Sub
17 End Class

```

Example Using JSP

```

1  <%@page contentType="text/html" pageEncoding="UTF-8"%>
2  <%@page import="java.net.*"%>
3  <%@page import="java.io.*"%>
4  <%
5      String Username = "memebr";
6      String Password = "123456";
7
8      String Parameter = "?User="+Username+"&Password="+Password;
9      String API_URL = "http://member.smsmkt.com/SMSLink/GetCredit/index.php";
10
11     URL url = new URL(API_URL+Parameter);
12     BufferedReader in = new BufferedReader(new InputStreamReader(url.openStream()));
13     String Result = in.readLine();
14     out.print(Result);
15     in.close();
16 %>

```

Send Message

API provided for Sending short Messages (SMS) using SMS credits provided by SMSMKT

Connecting URL

Standard URL: <http://member.smsmkt.com/SMSLink/SendMsg/index.php>

SSL URL: <https://member.smsmkt.com/SMSLink/SendMsg/index.php>

Input Parameter

Parameters	Description	Type	Null	Example
Username	Username registered with SMSMKT	String	Not allowed	Member
Password	Password used for username	String	Not allowed	1234
Msnlist	Destination phone number to send SMS not more than 1000 numbers delimited by [;] (semicolon)	String	Not Allowed	086654xxxx;0815 33xxxx;086777xx xx
Msg	Message send in the form of application/xxx-form-urlencoded only	String	Not Allowed	Test send Message
Sender	Sender name registered with SMSMKT	String	Not Allowed	SMSMKT

Output Parameter

Status={Error Code},Detail={Status Details}

Error Code

Error Code	Details
0	Send Successfully
-101	Parameter not complete.
-102	Database is not ready.
-103	Invalid User / Invalid Password.
-104	Invalid Mobile format.
-105	MsnList length limit exceed.
-106	Invalid your Sendername.
-107	Your account is expired.
-108	Quota Limit exceed.
-109	System is not ready. Please try to post again later.
-110	Your account has been Locked.
-111	Message Input Error.
-112	Mobile number blacklisted

Example

Example Using PHP

```
1 <?PHP
2 $Username = "member";
3 $Password = "123456";
4 $PhoneList = "0812345678;0898765432";
5 $Message = urlencode("ทดสอบการส่งข้อความผ่าน API ด้วยภาษา PHP");
6 $Sender = "ClickNext";
7
8 $Parameter = "User=$Username&Password=$Password&Msnlist=$PhoneList&Msg=$Message&Sender=$Sender";
9 $API_URL = "http://member.smsmkt.com/SMSLink/SendMsg/index.php";
10
11 $ch = curl_init();
12 curl_setopt($ch,CURLOPT_URL,$API_URL);
13 curl_setopt($ch,CURLOPT_RETURNTRANSFER,1);
14 curl_setopt($ch,CURLOPT_POST,1);
15 curl_setopt($ch,CURLOPT_POSTFIELDS,$Parameter);
16
17 $Result = curl_exec($ch);
18 curl_close($ch);
19 echo($Result);
20 ?>
```

Example Using C#.NET

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Web;
5 using System.Web.UI;
6 using System.Web.UI.WebControls;
7 using System.Net;
8
9 public partial class _Default : System.Web.UI.Page
10 {
11     protected void Page_Load(object sender, EventArgs e)
12     {
13         String Username = "member";
14         String Password = "123456";
15         String PhoneList = "0847955185;0831662154";
16         String Message = "ทดสอบการส่งข้อความผ่าน API โดย ASP.NET(C#.NET)";
17         String SenderName = "ClickNext";
18
19         Byte[] ByteMsg = System.Text.Encoding.GetEncoding("TIS-620").GetBytes(Message);
20         Message = HttpUtility.UrlEncode(ByteMsg);
21
22         String ParamFormat= "?User={0}&Password={1}&Msnlist={2}&Msg={3}&Sender={4}";
23         String Parameters = String.Format(ParamFormat, Username, Password, PhoneList, Message, SenderName);
24         String API_URL = "http://member.smsmkt.com/SMSLink/SendMsg/index.php";
25
26         WebClient webc = new WebClient();
27         String Result = webc.DownloadString(API_URL + Parameters);
28         Response.Write(Result);
29     }
30 }
```

Example Using VB.NET

```

1 Imports System.Net
2
3 Partial Class CallSendMessage
4     Inherits System.Web.UI.Page
5
6     Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
7         Dim Username As String = "member"
8         Dim Password As String = "123456"
9         Dim PhoneList As String = "0812345678;0898765432;"
10        Dim Message As String = "ทดสอบการส่งข้อความผ่าน API โดย ASP.NET(VB.NET)"
11        Dim SenderName = "ClickNext"
12
13        Dim ByteMessage() As Byte = System.Text.Encoding.GetEncoding("TIS-620").GetBytes(Message)
14        Message = HttpUtility.UrlEncode(ByteMessage)
15
16        Dim ParamFormat As String = "?User={0}&Password={1}&Msnlist={2}&Msg={3}&Sender={4}"
17        Dim Parameter As String = String.Format(ParamFormat, Username, Password, PhoneList, Message, SenderName)
18        Dim API_URL As String = "http://member.smsmkt.com/SMSLink/SendMsg/index.php"
19
20        Dim Webc As New WebClient()
21        Dim Result As String = Webc.DownloadString(API_URL & Parameter)
22        Response.Write(Result)
23    End Sub
24 End Class

```

Example Using JSP

```

1 <%@page contentType="text/html" pageEncoding="UTF-8"%>
2 <%@page import="java.net.*"%>
3 <%@page import="java.io.*"%>
4 <%
5     String Username = "member";
6     String Password = "123456";
7     String PhoneList = "0912345678;0898765432;";
8     String Message = "ทดสอบการส่งข้อความผ่าน API โดย JSP";
9     String SenderName = "ClickNext";
10
11     Message = URLEncoder.encode(Message, "TIS-620");
12     String Parameter = "?User="+Username+"&Password="+Password;
13     Parameter+= "&Msnlist="+PhoneList+"&Msg="+Message+"&Sender="+SenderName;
14     String API_URL = "http://member.smsmkt.com/SMSLink/SendMsg/index.php";
15
16     URL url = new URL(API_URL + Parameter);
17     BufferedReader in = new BufferedReader(new InputStreamReader(url.openStream()));
18     String Result = in.readLine();
19     out.print(Result);
20     in.close();
21 %>

```

Working code Examples

Working codes can be downloaded via link below

- Source could connecting via API using PHP

<http://www.smsmkt.com/download/source/API/PHPCallAPI.zip>

- Source could connecting via API using C#.NET

<http://www.smsmkt.com/download/source/API/CSCallAPI.zip>

- Source could connecting via API using VB.NET

<http://www.smsmkt.com/download/source/API/VBCallAPI.zip>

- Source could connecting via API using JSP

<http://www.smsmkt.com/download/source/API/JSPCallAPI.zip>

Reference

http://en.wikipedia.org/wiki/Application_programming_interface

[http://en.wikipedia.org/wiki/POST_\(HTTP\)](http://en.wikipedia.org/wiki/POST_(HTTP))

Contact

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