



# MobiShastra Technologies LLC

API Integration

**Version: 1.3**

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## PUSH API (For Multiple Numbers)

### TECHNICAL OVERVIEW

High Level Architecture of Two-Way SMS between Mobile Device and Application:

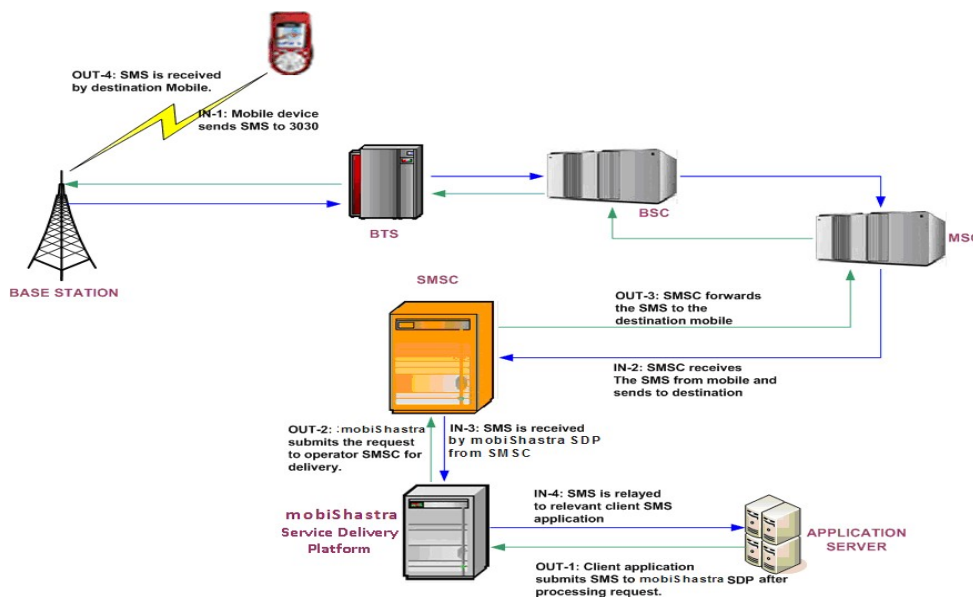


Fig: High level architecture of Two-way SMS between Mobile Device & Application

The mobile device can be a regular mobile telephone, or a special device for use in telematics applications.

Inbound SMS are typically delivered in under 3 seconds  
Outbound SMS are typically delivered in 3-6 seconds.

On **the** diagram the inbound route is indicated by the IN prefix to each stage and shows **receiving SMS**. The **outbound** route is indicated by the OUT prefix to each stage and shows the **sending** of SMS to mobiles.

Send SMS Basic API :

<https://mshastra.com/sendurlcomma.aspx?user=xxxxxxx&pwd=xxxxxx&senderid=SMSAlert&mobilenno=mobileno,mobileno&msgtext=Hello&priority=High&CountryCode=ALL>

For sending multiple SMS use the above API

Glossary of dynamic fields:

user = You will get a unique profile id once your account is logged in. It will be a 8 character numeric id (200XXXXX).

password = Password will be the part of credentials provided to you. You can change them innumerable times

ABC = This will be the approved Sender ID from the operator. User can have multiple approved Sender IDs & can use any of them. In case, the sender ID doesn't match with the approved ones, SMS will go from the default ID

mobilenno = The UAE mobile no. to which user wants to send SMS. They can be in any format (+9715XX, 9715XX, 05XX, 5XX). Only numbers are allowed. System will automatically reject less than 9 digit & nos. not starting with 5.

Hello = The SMS content. 160 English characters counted as 1 SMS. 70 Unicode characters counted as 1 SMS. If SMS length is more than 1 SMS than the SMS counts are in multiple of 153 in case of English & 63 in case of Unicode.

Check balance:

<https://mshastra.com/balance.aspx?user=profileid&pwd=password>

**user** = Use your 8 digit profile id & password to check your balance

## SEND SMS WITH ADVANCE OPTIONS:

<https://mshastra.com/sendurlcomma.aspx?user=xxxxxxx&pwd=xxxxxx&senderid=SMSAlert&mobilenno=mobileno,mobileno&msgtext=Hello&priority=High&CountryCode=ALL&scheduledDate=mm/dd/year hh:min am>

**\*NOTE \*** Parameter scheduledDate=mm/dd/year hh:min am has to be used only for sms scheduling using api.

### Glossary of dynamic fields:

user = You will get a unique profile id once your account is logged in. It will be 8 character numeric id (200XXXXX).

password = Password will be the part of credentials provided to you. You can change them innumerable times

ABC = This will be the approved Sender ID from the operator. User can have multiple approved Sender IDs & can use any of them. In case, the sender ID doesn't match with the approved ones, SMS will go from the default ID

mobilenno = The UAE mobile no. to which user wants to send SMS. They can be in any format (+9715XX, 9715XX, 05XX, 5XX). Only numbers are allowed. System will automatically reject less than 9 digit & nos. not starting with 5.

Hello = The SMS content. 160 English characters counted as 1 SMS. 70 Unicode characters counted as 1 SMS. If SMS length is more than 1 SMS than the SMS counts are in multiple of 153 in case of English & 63 in case of Unicode.

scheduled Date=This will be the date time on which message has to be sent. This version of api is only used for SMS scheduling.

## SEND SMS WITH ADVANCE OPTIONS WITH UNICODE:

<https://mshastra.com/sendurlcomma.aspx?user=xxxxxxx&pwd=xxxxxx&senderid=SMSAlert&mobilenno=mobileno,mobileno&msgtext=Hello&priority=High&CountryCode=ALL>

user = You will get a unique profile id once your account is logged in. It will be a 8 character numeric id (200XXXXX).

password = Password will be the part of credentials provided to you. You can change them innumerable times

ABC = This will be the approved Sender ID from the operator. User can have multiple approved Sender IDs & can use any of them. In case, the sender ID doesn't match with the approved ones, SMS will go from the default ID

mobilenno = The UAE mobile no. to which user wants to send SMS. They can be in any format (+9715XX, 9715XX, 05XX, 5XX). Only numbers are allowed. System will automatically reject less than 9 digit & nos. not starting with 5.

Hello = The SMS content. 160 English characters counted as 1 SMS. 70 Unicode characters counted as 1 SMS. If SMS length is more than 1 SMS than the SMS counts are in multiple of 153 in case of English & 63 in case of Unicode.

API #

<https://mshastra.com/sendurlcomma.aspx?user=User&pwd=password&senderid=ABC&mobilenno=mobileno&msgtext=Hello&CountryCode=ALL&scheduledDate=mm/dd/year hh:min am>

## Sample Codes

### ASP #

```
sResponse = SMSSend(pno, message )  
  
If right(sResponse,15) = "Send Successful" Then  
    'write your code here  
  
End If  
  
Function SMSSend (strPh,strMsg)  
    Dim msgResponse  
    Dim strRequest  
    Dim strUrl  
    msgResponse = ""  
    strPh=right(strPh,10)  
    If not IsNumeric(strPh) Or len(strPh) <> 10 Then  
        msgResponse = "Enter valid Mobile Number."  
    End If  
    If strMsg = "" Then  
        msgResponse = "Enter text message."  
    End If  
    strUrl = "https://mshastra.com/sendurlcomma.aspx?"
```

```
strRequest = strRequest+"user=User"

strRequest = strRequest+"&pwd=pass"

strRequest = strRequest+"&senderid=senderid"

strRequest = strRequest+"&mobilenno="+strPh

strRequest = strRequest+"&msgtext="+Server.URLEncode(strMsg)

strRequest = strRequest+"&CountryCode="ALL

strUrl = strUrl+strRequest

If msgResponse = "" Then

    Dim oXML

    Dim sPage

    Err.Clear

    On Error Resume Next

    Set oXML = Server.CreateObject("Msxml2.XMLHTTP")

    oXML.Open "get", strUrl , false

    oXML.Send

    msgResponse = oXML.ResponseText

    Set oXML = Nothing

End If

SMSSend = msgResponse
```



```
If Err.Number <> 0 Then
```

```
    SMSSend = "Problem on sending sms : "& Err.Description
```

```
End If
```

```
End Function
```

### **ASP .NET (C#)**

```
using System;
```

```
using System.Data;
```

```
using System.Configuration;
```

```
using System.Collections;
```

```
using System.Web;
```

```
using System.IO;
```

```
using System.Net;
```

```
public void SMSSend()
```

```
{WebClient client = new WebClient();
```

```
    string baseurl =
```

```
"https://mshastra.com/sendurlcomma.aspx?user=User&pwd=xxxx  
&senderid=ABC&mobilen=9911111111&msgtext=Hello&CountryC  
ode=ALL&scheduledDate=mm/dd/year hh:min am";
```

```
    Stream data = client.OpenRead(baseurl);
```

```
StreamReader reader = new StreamReader(data);  
string s = reader.ReadToEnd();  
data.Close();  
reader.Close();}
```

## **JAVA #**

```
import java.io.BufferedReader;  
import java.io.InputStreamReader;  
import java.io.OutputStreamWriter;  
import java.net.HttpURLConnection;  
import java.net.URL;  
import java.net.URLEncoder;  
import java.util.Date;  
  
public class SMSSend {public static void main(String[] args)  
{ try {Date mydate = new Date(System.currentTimeMillis());  
  
URL url = new  
URL(https://mshastra.com/sendurlcomma.aspx?user=User&pwd=x  
xxx&senderid=ABC&mobilenno=9911111111&msgtext=Hello&Count  
ryCode=ALL&scheduledDate=mm/dd/year hh:min am);
```

```
URLConnection conn =  
(URLConnection)url.openConnection();  
  
conn.setRequestMethod("GET");  
  
conn.setDoOutput(true);  
  
conn.setDoInput(true);  
  
conn.setUseCaches(false);  
  
conn.connect();  
  
BufferedReader rd = new BufferedReader(new  
InputStreamReader(conn.getInputStream()));  
  
String line;  
  
StringBuffer buffer = new StringBuffer();  
  
while ((line = rd.readLine()) != null)  
{buffer.append(line).append("\n");}  
  
System.out.println(buffer.toString());  
  
rd.close();  
  
conn.disconnect();}catch(Exception e)  
{e.printStackTrace();}}
```

Note: Required javax.servlet.jar and jdom.jar to execute  
( downloadable from internet,add to  
classpath ).

## PHP #

'-- Use URLEncode for parameter msgtext

?php

\$url =

"https://mshastra.com/sendurlcomma.aspx?user=User&pwd=xxxx  
&senderid=ABC&mobilenos=9911111111&msgtext=Hello&CountryC  
ode=ALL&scheduledDate=mm/dd/year hh:min am ";

\$ch = curl\_init(\$url);

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

\$curl\_scraped\_page = curl\_exec(\$ch);

curl\_close(\$ch);

echo \$curl\_scraped\_page;?

## **PUSH API (For Single Messages)**

Send SMS API :

<https://mshastra.com/sendurl.aspx?user=xxxxxxx&pwd=xxxxxx&senderid=SMSAlert&mobilenno=mobileno,mobileno&msgtext=Hello&priority=High&CountryCode=ALL>

For sending Single SMS use the above API

Glossary of dynamic fields:

user = You will get a unique profile id once your account is logged in. It will be a 8 character numeric id (200XXXXX).

password = Password will be the part of credentials provided to you. You can change them innumerable times

ABC = This will be the approved Sender ID from the operator. User can have multiple approved Sender IDs & can use any of them. In case, the sender ID doesn't match with the approved ones, SMS will go from the default ID

mobilenno = The UAE mobile no. to which user wants to send SMS. They can be in any format (+9715XX, 9715XX, 05XX, 5XX). Only numbers are allowed. System will automatically reject less than 9 digit & nos. not starting with 5.

Hello = The SMS content. 160 English characters counted as 1 SMS. 70 Unicode characters counted as 1 SMS. If SMS length is more than 1 SMS than the SMS counts are in multiple of 153 in case of English & 63 in case of Unicode.

**This API will give you response message as below:**

Invalid Mobile No  
Invalid Password  
Profile Id Blocked  
Submission Stops  
No More Credits  
Enter Mobile Number.  
Enter text message  
Invalid Profile Id.  
Country not activated

#### **API to Send SMS WITH ERROR CODE**

[https://valuesms.ae/sendurl.aspx?user=<Profile\\_Id>&pwd=<Password>&senderid=<Sender\\_Id>&mobilenno=966XXXXXXX&msgtext=Message Text&CountryCode=ALL&ShowError=C](https://valuesms.ae/sendurl.aspx?user=<Profile_Id>&pwd=<Password>&senderid=<Sender_Id>&mobilenno=966XXXXXXX&msgtext=Message Text&CountryCode=ALL&ShowError=C)

Upon Calling this API you will receive below response codes

000 - Send Successful  
001 - Invalid Receiver  
003 - Invalid Message  
005 - Authorization failed  
006 - DND Number  
007 - Cannot Extract Country Code  
008 - Empty Receiver  
009 - Profile Blocked  
010 - Invalid Profile ID  
011 - Profile ID expired  
012 - Sender Id more than 13 Chars  
013 - Server Error

## SEND SMS WITH ADVANCE OPTIONS:

<https://mshastra.com/sendurl.aspx?user=xxxxxxx&pwd=xxxxxx&senderid=SMSAlert&mobilenno=mobileno,mobileno&msgtext=Hello&priority=High&CountryCode=ALL&scheduledDate=mm/dd/year hh:min am>

**\*NOTE \*** Parameter scheduledDate=mm/dd/year hh:min am has to be used only for sms scheduling using api.

### Glossary of dynamic fields:

user = You will get a unique profile id once your account is logged in. It will be a 8 character numeric id (200XXXXX).

password = Password will be the part of credentials provided to you. You can change them innumerable times

ABC = This will be the approved Sender ID from the operator. User can have multiple approved Sender IDs & can use any of them. In case, the sender ID doesn't match with the approved ones, SMS will go from the default ID

mobilenno = The UAE mobile no. to which user wants to send SMS. They can be in any format (+9715XX, 9715XX, 05XX, 5XX). Only numbers are allowed. System will automatically reject less than 9 digit & nos. not starting with 5.

Hello = The SMS content. 160 English characters counted as 1 SMS. 70 Unicode characters counted as 1 SMS. If SMS length is more than 1 SMS than the SMS counts are in multiple of 153 in case of English & 63 in case of Unicode.

scheduledDate=This will be the date time on which message has to be sent. This version of API is only used for SMS scheduling.

## SEND SMS WITH ADVANCE OPTIONS With UNICODE:

<https://mshastra.com/sendurl.aspx?user=xxxxxxx&pwd=xxxxxx&senderid=SMSAlert&mobilenno=mobileno,mobileno&msgtext=Hello&priority=High&CountryCode=ALL>

user = You will get a unique profile id once your account is logged in. It will be a 8 character numeric id (200XXXXX).

password = Password will be the part of credentials provided to you. You can change them innumerable times

ABC = This will be the approved Sender ID from the operator. User can have multiple approved Sender IDs & can use any of them. In case, the sender ID doesn't match with the approved ones, SMS will go from the default ID

mobilenno = The UAE mobile no. to which user wants to send SMS. They can be in any format (+9715XX, 9715XX, 05XX, 5XX). Only numbers are allowed. System will automatically reject less than 9 digit & nos. not starting with 5.

Hello = The SMS content. 160 English characters counted as 1 SMS. 70 Unicode characters counted as 1 SMS. If SMS length is more than 1 SMS than the SMS counts are in multiple of 153 in case of English & 63 in case of Unicode.

API #

<https://mshastra.com/sendurl.aspx?user=User&pwd=password&senderid=ABC&mobilenno=mobileno&msgtext=Hello&CountryCode=ALL&scheduledDate=mm/dd/year hh:min am>



## XML API

Send SMS - XML API

**URL:** [https://mshastra.com/sendsms\\_api\\_xml.aspx](https://mshastra.com/sendsms_api_xml.aspx)

Client will have to pass below parameters:

**user** = <profile id> **pwd** = <password>

**number** = <mobile number with country code> **msg** = <Text Message>

**sender** = <sender id> **language** = <Unicode/English>

In case of Unicode messages language = <Unicode> and msg text parameter should be passed as hexadecimal.

Request Format for XML:

```
<request>
```

```
<user>20061628</user>
```

```
<pwd>ygxxxx</pwd>
```

```
</message>
```

```
<message>
```

```
<number>917503368648</number>
```

```
<msg>Hi this is XML API</msg>
<sender>NASCNT</sender>
<language>ENGLISH</language>
</message>
</messages>
</request>
```

Response Format:

```
<response>
<message>
<msg_id> 336886980</msg_id>
<number>919926561799</number>
<str_response>Send Successful</str_response>
</message>
<message>
<msg_id> 336886981</msg_id>
<number>917503368648</number>
<str_response>Send Successful</str_response>
</message>
</response>
```

## JSON API:

User will have to pass below parameters

user = <profile id>

pwd = <password>

number = <mobile number with country code>

msg = <Text Message>

sender = <sender id>

language = <Unicode/English>

API to pass parameters -

[https://valuesms.ae/sendsms\\_api\\_json.aspx](https://valuesms.ae/sendsms_api_json.aspx)

In case of Unicode messages language = <Unicode> and msg

parameter has to be passed as hexadecimal.

```
[{"user":"2XXXXXXX","pwd":"wwwXXX","number":"919926561799",  
"msg":"test1","sender":"SMS  
Alert","language":"Unicode"}, {"user":"2XXXXXXX","pwd":"wwwXXX",  
"number":"917503368648","msg":"test2","sender":"SMS  
Alert","language ":"English"}]
```

We will provide response in json as:

```
[{"msg_id":"12345678","number":"919926561799","response":"sen  
d success"}]  
{"msg_id":"34567891","number":"917503368648","response":"sen  
d success"}]
```

## PULL API

### TECHNICAL OVERVIEW

High Level Architecture of Two-Way SMS between Mobile Device and Application:

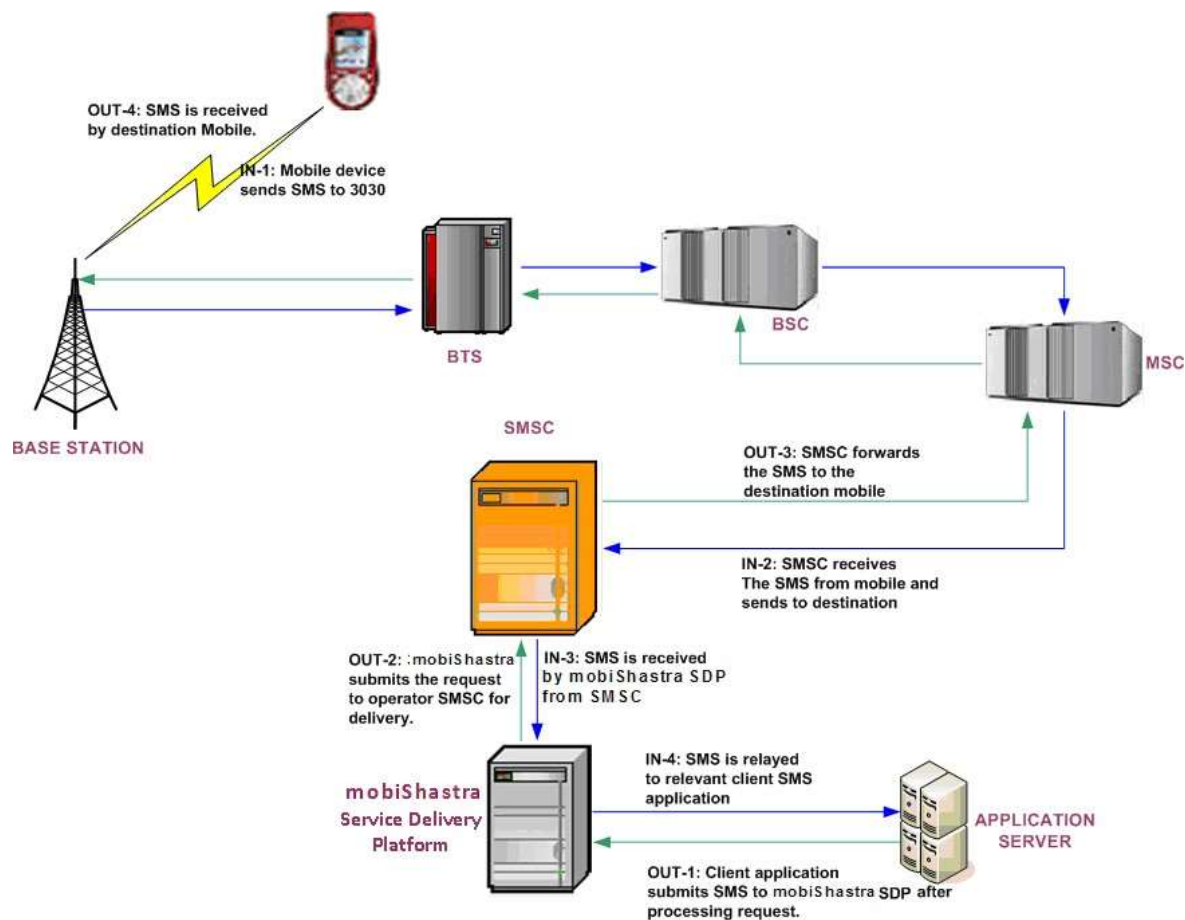


Fig: High level architecture of Two way SMS between Mobile Device Application

The mobile device can be a regular mobile telephone, or a special device for use in telematics applications.

Inbound SMS are typically delivered in under 3 seconds Outbound SMS are typically delivered in 3-6 seconds.

On **the** diagram the inbound route is indicated by the IN prefix to each stage and shows

**Receiving SMS. The outbound** route is indicated by the OUT prefix to each stage and shows the

### Example pull API

For using pull API user has to go through following steps.

➤➤ User has to create a page in his domain for example <http://domain.com/response.aspx> in any of the language where user will have to request parameters.

➤➤ In that page [response.aspx](#) user has to request parameters shortcode,mobilen.,keyword and message.

➤➤ After requesting these parameters on that page user can use that data as per the requirement like insert to database etc.

Here is a sample aspx page where we have requested for those parameters for using pull API.

### **ASPX code for PULL API**

```
public partial class Incoming : System.Web.UI.Page
{
    int flag = 0;
    public string msg = "";
    string vshortcode, vmobileno, vkeyword, vmessage,
    MessageResponse;
    SqlCommand cmd;
    SqlDataReader sdr;
    protected void Page_Load(object sender, EventArgs e)
    {
        vshortcode = Request["shortcode"];
        vmobileno = Request["mobileno"];
        vkeyword = Request["keyword"];
        vmessage = Request["message"];
    }
}
```

**\*\*** After requesting these parameters user can use these parameters as per his requirement. Like User can insert these parameters in database for his record or whatever he wants.