XML API Documentation

Phone: +91-80-4900 4444 [PRI] **| Mobile**: +91-97380 10000/1, +91-97380 23400(Support)
Email: info@kapsystem.com, support@kapsystem.com (Support) **| URL**: www.kapsystem.com

1. **INTRODUCTION:** To facilitate interaction between KAPS SMS and third-party software applications, KAPS SMS provides a simple XML automation API. This manual documents the calling conventions and functionality provided the API.

1.1 **INTRODUCTION TO XML API:** This document is provided as a courtesy to KAPS SMS clients who wish to integrate KAPS SMS with their existing business operations. It is intended for qualified software developers and assumes that the reader has some level of experience with HTTP, XML, and software application development in general. We regret that we cannot provide support or assistance with the KAPS SMS API or KAPS SMS integration as part of our KAPS SMS support services.

1.2 **API PROTOCOL:** The KAPS SMS automation API makes use of a very simple XML-over-HTTP protocol to accept and respond to requests. API methods are called via a standard HTTP POST request to the api.php script in the KAPS SMS web root, in which an XML request packet is provided as POST data. KAPS SMS respond s to API requests by returning an XML response packet as the payload of the HTTP response.

1.3 **XML FORMAT:** This section will describe the different functions that can be used by the KAPS SMS XML API.

There are two type of XML submition

1.3.1 **Sending Single Message to Multiple Mobile Numbers:**

First Type: (SENDING SINGLE MESSAGE TO MULTIPLE MOBILE NUMBERS) , and the XML that has to generate to send such messages is as follows:

```
<message-submit-request>
<username>XXXXXX</username>
<password>XXXXXX</password>
<sender-id>XXXXXX</sender-id>
<MType>XXX</MType>
<template- msg>
<tempid>X</tempid>
<F1>123hello</F1><F2>56775</F2><F3>6969</F3>
<to>9890XXXXXX</to>
<to>9823XXXXXX</to>
<to>9375XXXXXX</to>
</template-msg>
</message-submit-request>
```


Phone: +91-80-4900 4444 [PRI] **| Mobile**: +91-97380 10000/1, +91-97380 23400(Support)
Email: info@kapsystem.com, support@kapsystem.com (Support) **| URL**: www.kapsystem.com

1.3.2 **Sending Single Message to Single Mobile Number:**

Second Type: (SENDING SINGLE MESSAGE TO SINGLE MOBILE NUMBER) , and the XML that has to generate to send such messages is as follows:

```
<message-submit-request>
<username>XXXXXX</username>
<password>XXXXXX</password>
<sender-id>XXXXXX</sender-id>
<MType>XXX</MType>
<template- msg>
<tempid>X</tempid>
<F1>123hello</F1><F2>56775</F2><F3>6969</F3>
<to>9890XXXXXX</to>
<to>9890XXXXXX</to>
<to>9890XXXXXX</to>
</template-msg>
</message-submit-request>
```

2.1 PARAMETER DESCRIPTION:

Sr. No.	Parameter Name	Parameter Description
1	username	Username of the account
2	password	Password of the account
3	sender-id	Senderid of the account
4	template	Massage type
	tempid	Template Id is a unique reference generated against each template
F1,F2 & F3 reflects the dynamic values of the message body.		
6	to	Mobile number on which message to be send

2.2 PARAMETER EXPLANATION:

username : The user is free to choose his/her username at the time of registration. The user parameter cannot be more than 30 characters long and can only contain alphabets and numbers, with no blank spaces or special characters.

password :The user is free to choose his password at the time of registration. The passwd parameter cannot be more than 30 characters long and can only contain alphabets and numbers, with no blank spaces or special characters.

sender-id : The Sender-Id refers to the Alphanumeric Identity of the Sender. For India an alphanumeric sender-id (of maximum 8 characters) is accepted.

Phone: +91-80-4900 4444 [PRI] **| Mobile**: +91-97380 10000/1, +91-97380 23400(Support)
Email: info@kapsystem.com, support@kapsystem.com (Support) **| URL**: www.kapsystem.com

MType : Message Type is to identify the type of message being sent. The default value of message type is txt, which refers to Normal text message. Kapsystem Gateway classifies the type of messages to be sent on the basis of this parameter and pushes them accordingly.

Sr. No.	MType	Description
1	TXT	Normal Text Message

txt : i.e. message this parameter refers to the actual message that is to be sent to the mobile number. The format of the message differs depending on the type of message being sent.

to : This parameter refers to the destination mobile number(s) to which the message is to be sent. It must include the country code appended before the mobile number. Any error in this parameter value would lead to non-delivery of the message. The mobile number should contain only numbers and no symbols like "+", "-" etc.

2.3

Here is the list of return values when HTTP request is created

Parameter Name	Parameter Description
ES1001 Authentication Failed (invalid username/password)	This will return when username/password are incorrect.
ES1004 Invalid Senderid	This will return when sender id is incorrect.
ES1009 Sorry unable to process request	This will return when mobile number is incorrect.
ES1013 Template id is invalid	This will return when template id is incorrect
ES1002 Unauthorized Usage - insufficient privilege	This will return when text messaging is not active
ES1007 Account Deactivated	This will return when account is deactive.
If response is "Y" 5068570-2008_12_29 5068571-2008_12_29	This will return when messages are successfully uploaded with schedule id and followed by today's date.
Message is blank	This will return when there is no message in the URL
Account is Expire	This will return when the account is expired.
You have Exceeded your SMS Limit.	This will return when your uploaded messages are more then your balance left
If response is "Y" 5068570-2008_12_29 5068571-2008_12_29	This will return when messages are successfully uploaded with schedule id and followed by today's date.

Phone: +91-80-4900 4444 [PRI] **| Mobile**: +91-97380 10000/1, +91-97380 23400(Support)
Email: info@kapsystem.com, support@kapsystem.com (Support) **| URL**: www.kapsystem.com

3. **SENDING MESSAGES:**

Messages are small collections of data that can be passed between cooperating programs through a message queue.

3.1 **URL FOR SENDING MESSAGES:**

The XML generated for both type (single message to multiple mobile number & single message to single mobile) has to be posted on the below mention URL.

URL: http://123.63.33.44/sms/user/XMLAPI/send.php

The entire XML is store in single variable named "data" to be post on given url.

3.2 **SAMPLE EXAMPLE FOR SENDING XML:**

```
<?php
        $data=" <message-submit-request>----------</message-submit-request>";
?>
<html >
<body>
<form name="frm" action="http://123.63.33.44/sms/user/XMLAPI/send.php"  method="post">
        <input type="hidden" name="data" value="<?php echo $data;?>">
        <input type="submit" value="SUBMIT" />
</form>
</body>
</html>
```

3.3 **ENCODING FOR MESSAGE:**

The message text should be encoded. There are five characters entities which should be encoded, they are as follows:

& The ampersand character (&) should be encoded as *amp;
' The apostrophe or single-quote character (') should be encoded as *apos;
" The double-quote character (") should be encoded as *quot;
< The less-than character (<) should be encoded as *lt;
> The greater-than character (>) should be encoded as *gt;

For Example:

Kapsystem's test message => Kapsystem*apos;s test message.

4. **RESPONSE & REPORT:**

4.1 **RESPONSE:**

Response in First type of submission i.e. (SENDING SINGLE MESSAGE TO MULTIPLE MOBILE NUMBERS), and you will receive single token number for entire junk of submission.

Ex: 324533-2011_01_31 For entire junk.

Phone: +91-80-4900 4444 [PRI] **| Mobile**: +91-97380 10000/1, +91-97380 23400(Support)
Email: info@kapsystem.com, support@kapsystem.com (Support) **| URL**: www.kapsystem.com

Response in Second type of submission i.e. (SENDING SINGLE MESSAGE TO SINGLE MOBILE NUMBER) , you will receive single token for each submission.

Ex : 12344-2011_01_31
12345-2011_01_31

4.2 **DELIVERY REPORTS:**

For accessing delivery reports for the messages sent, the following URL can be use, in which user needs to pass the token number (submission id) given by XML url.

http://123.63.33.44/sms/user/XMLAPI/send.php?Scheduleid =12345-2011_12_31

Ex : **List of Return Value When HTTP Request is Made:**

Authentication Failed	:	**If username and password does not match**
account deactivated	:	**If the account of user is inactive**
No Privilege	:	**If user does not have http url submission privilege/Right**
invlaid account type	:	**If user is reseller**
Invalid senderid	:	**If sender id does not match**
Insufficent balance/Account Expired	:	**If balance is less than submitted sms volume OR if user account Expired**
Sorry unable to process	:	**If there is problem in processing the transaction.**

91XXXXXXXXXX DELIVRD		**If message is delivered successfully.**
91XXXXXXXXXX EXPIRED		**If message is expired.**
91XXXXXXXXXX UNDELIV		**If message is undelivered.**
91XXXXXXXXXX NCPR		**If mobile number is registered in Do Not Disturb(DND).**
91XXXXXXXXXX PENDING		**If message delivery report is pending.**

Phone: +91-80-4900 4444 [PRI] **| Mobile**: +91-97380 10000/1, +91-97380 23400(Support)
Email: info@kapsystem.com, support@kapsystem.com (Support) **| URL**: www.kapsystem.com