



MYSMSaddress.com SMS Developers Handbook

Introduction

This Handbook is designed to give developers a step by step guide to using the free tools provided by mysmsaddress.com. To integrate SMS in their existing applications

You have an existing CRM or ERP or other custom application on your Corporate network and you want to implement SMS alerts to employees customers distributors and others mysmsaddress.com allows you to automatically generate the SMS in your application based on the triggers or criteria you develop and transmit the SMS to our SMSC or receive from it messages sent to you from mobile users using our free to use SMS API's. Simply follow this step by step guide to SMS Enable your application.

Step 1 (Setup an account get it activated)

To Integrate SMS in your application you need to first get an account with Mysmsaddress.com and activate the same. You can do that by clicking on the red signup button on our main website www.mysmsaddress.com and then verifying your email and mobile. If you have trouble activating Please contact support. We offer limited free credits sufficient to integrate the free API's in your application.

Step 2 (Identify your requirements and download the correct API)

To proceed with integration you need to answer two important Questions

1 Do you only need to send SMS (1 way or push SMS)

or

2 Do you need to also receive delivery reports and SMS from mobiles in your application (2 way or pull/push SMS)

1) PUSH SMS HTTP API

If you need to only push SMS you can use the HTTP Get/POST method which is typically a URL that you POST or CALL. This is the basic method and easiest method. Your POST contains your account username and Password along with the sender name or number along with the destination in International Format along with message type and Message Text up to 160 characters

(Sample Post)

http://

66.179.181.59:80/smsc/general/sendsms.jsp?userid=testusr&password=test&submit_name=5555555555555555&send_to=6666666666666666&message_type=0&message_text=Hello%20world%20%21%21%21

For more information on the different other posts especially the super fast group messaging by HTTP refer to the HTTP and SMPP document at

<http://www.mysmsaddress.net/SMPP%20AND%20HTTP%20API.pdf>

2) PULL/PUSH SMS SMPP API

In this mode you will need to implement the SMPP protocol in your application These SMPP API's are available on our website and by default it is configured as a transmitter. You need to bind to our SMSC as a transceiver with the valid username and password. Windows users capable of running .NET or are capable of installing it on their servers can use the .NET API that has been developed for easy implementation. With the other API's some knowledge of SMPP is required. With the .NET API we have developed a layer that take care of the SMPP and provides easy to use API with send and receive and stay on capabilities.

Download the .NET Professional API Here

<http://www.mysmsaddress.net/smsc/downloads/VTMNET.zip>

For Linux flavored servers you have a choice of PHP Java and others that are open source and can connect to our SMSC using the correct username/password IP Number and Port Number of Our SMSC

Trouble shooting your SMPP account

Cannot connect to server

Is your account Registered and activated?
Register and activate your account

Are you behind a firewall?
Enable connection through your firewall

Is your username and password correct?
Both are case sensitive check it

Are you connecting to the correct IP and Port number?
IP must be 66.179.181.59 and Port 2775

Did any erratic behavior originating from your IP# cause your IP to be blocked on our SMSC?
To maintain the integrity and security of our SMSC our SMSC will block the IP numbers of originating requests that are using random or incorrect username and password as Fraud protection and also as protection from DDos attacks. This includes requests coming in from valid but expired accounts or accounts that reach 0 balance or incorrect username and passwords. If you have tried and checked all the above and still cannot connect you can contact support to check if you are blocked and remove your IP# from our list.

Message does not get delivered or No Message Id when submitting a message to SMSC

Is your Destination Number in International Format?
Our SMSC only recognizes Destination numbers in International Format

Is the destination operator covered?
Check our coverage list on the website for network coverage and number of credits charged. Our SMSC will not accept or bill for messages that may appear to be invalid and not covered by our network

Is your account active and have sufficient credits?
Check your balance and expiry date by logging into your account

TIPS when building your SMPP application

When connecting save your username and password so that the application uses the correct username and password when connecting

Space out your authentication attempts with the SMSC to 1-3 minute with a maximum number of retries so that your application does appear to be DDosing the SMSC

For Low volumes when only sending SMS is necessary build your application to connect when necessary thus saving unnecessary server process on your server and bandwidth.

For Higher volumes or when you need to stay connected to Receive (MO) Mobile originated messages or delivery reports in real time it may be necessary to maintain a continuous connection with the SMSC. When it is necessary send enquiry links and process the enquiry link response coming back to you from the SMSC and in the failure of receiving the enquiry link response authenticate with the SMSC after a interval of 60 seconds.

When unbinding or disconnecting from the SMSC it is necessary to send a unbind request so that the SMSC knows that you are disconnecting and hence clears your connection instantly instead of waiting to time out. This allows you to connect again otherwise you may have to wait till the SMSC clears your connection by timing out. Mysmsaddress.com allows one single connection to the SMSC and if it appears that you are connected it will not allow the next authentication request.

When sending multipart messages do not use the payload method but use correct UDH Headers for each message.

If you do not receive a message ID from us chances are that your message cannot be processed by our SMSC. To avoid accidental resubmission do not retry messages that have failed or did not receive message ID's

If you are subscribed to our 2 way SMS service you will need to connect to our SMSC as a transceiver

When receiving a message or a delivery report you need to acknowledge receipt by your application. This is done by sending a DELIVERY RESP PDU back to the SMSC. Our SMSC will only attempt 2 deliveries so it is important to acknowledge the messages or you will receive them twice

For a complete document on SMPP 3.4 Protocol please download it here

<http://www.mysmsaddress.com/smpp.pdf>