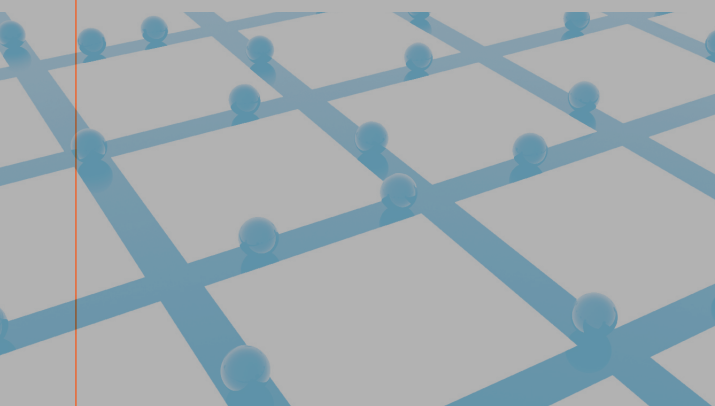


ROUTOMESSAGING

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www.routomessaging.com
support@routotelecom.com



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**Your Success.
Delivered.**

Preface:

Please register for [SMS or MMS account](#) for testing our SMS and MMS services and integration to our SMS, MMS APIs. The following features and services are available:

- Straightforward, SMS API, MMS API integration:
 - Send and receive SMS using SMPP or HTTP
 - Send MMS using HTTP or SMPP

- Free sample code on how to send, receive SMS and send MMS
- Status and the real time delivery reports of the messages you have sent
- Free [Support](#), manned and around the clock 24/7 to answer any questions
- Minimal SMS and MMS development time
- Deploy with confidence; we have over ten years of experience in Mobile Messaging Integration

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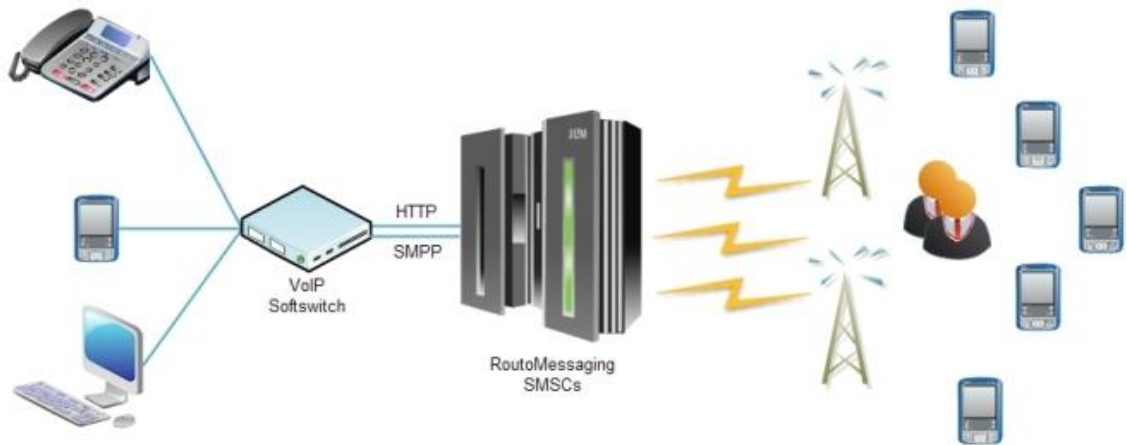
1 Change History

Date	Changes	Section
2011-02-23	Initial release	All

Table 1: Change history

2 Introduction and solution overview

This document is technical guidance on how to set up VoIP Switch product for SMS termination through RoutoMessaging SMS Gateway. The document contains all necessary elements required for successful SMS settings configuration with the objective to enable mobile messaging via SMPP or HTTP connection methods. For any further support, please contact support@routotelecom.com



3 Set up SMS Tariff

For this and all the following parts we already presume you have registered for an account with RoutoMessaging service, therefore you possess all information necessary to complete the below configurations.

If you still haven't, to proceed and configure your VoIPSwitch settings set up an [SMS account](#).

SMS tariffs are managed in the same way as voice tariffs are, with the difference that there are fewer parameters requested in the configuration. In order to manage tariff sms rates, under **VoipSwitch Manager** you should expand **Tariff** section. From here, you should be able to create and manage tariffs by filling in the appropriate fields, such as:

Description: description for the prefix and is usually country/network combination or just a country if the prefix is the country code,

Prefix: prefixes are specified with rates and descriptions. Tariff can have any number of prefixes defined in it. In the same way as in the Dialing Plan longer (more detailed) prefixes matching the dialed number are taken before shorter ones,

Voice rate: cost of sending one SMS message,

Disable this prefix: any number which matches this prefix will be blocked from processing. System will reject such SMS message.

Filtered: Change rate | Delete All

Tariff properties:

Description:

Prefix:

Voice rate:

Rate mult.:

Rate addition:

Disable this prefix

Time span:

From day:

To day:

From hour:

To hour:

Table 2: Set up SMS tariff

4 Adding SMS provider

RoutoMessaging supports both HTTP and SMPP connectivity, therefore you may choose between one of these. Instructions and parameters needed to set up these are provided below in the subsequent sections.

4.1 RoutoMessaging SMPP connection

Under **VoipSwitch Manager** application, expand the **SMS** menu, select **SMS Providers** setup and update the following fields:

Provider protocol: SMPP provider

Name: RoutoMessaging

Server address: 195.43.44.45 (for smsc5.routotelecom.com) or 195.43.45.4 (for smsc6.routotelecom.com)

Port: 7777

Login: (Enter the username received once you registered for a test account with our services.)

Password: (In order to get your SMPP password, you would need to go to the **Command Center > Administration > Password management**, and activate the **SMPP Interface**. You would also need to specify your IP address therefore it would be whitelisted for SMPP access on our side. Once activated, you should receive SMPP password to the email you have registered with.)

Active: Checked

Tariff: Your_defined_tariff

If requested, for destination TON/NPI values you should be specified as 1/1 (Type Of Number / Numbering Plan Indicator are indicating to which service/numbers messages are sent).

Table 3: setting up the SMPP connectivity

4.2 RoutoMessaging HTTP Connection

Under **VoipSwitch Manager** application, navigate to **SMS Providers** setup and update the following fields:

Provider protocol: HTTP provider

Name: RoutoMessaging

HTTP string:

http://smc6.routotelecom.com/SMSsend?user=YOUR_USERNAME&pass=YOUR_PASSWORD&ownnum=!FROM!&number=!TO!&message=!TEXT!&type=LongSMS

Username (marked with YOUR_USERNAME in the above HTTP string) should be replaced with your username registered with RoutoMessaging, while the password for HTTP API (marked with YOUR_PASSWORD) should be generated from the Command Center > Administration > Interfaces&Passwords. Once you have done so, you should receive HTTP API password which should be used within this HTTP string.

Parameters in the HTTP string are as follows:

- ownnum: sender ID of SMS; if it is set to !FROM! then sender ID will match the one client has specified when message was sent, otherwise it can be specified to be the same as for all messages by specifying ownnum parameter manually (e.g. ownnum=123456789123),
- number: destination number to which SMS is being sent,
- message: SMS message body,
- type: by specifying LongSMS type, if message is longer than 160 characters it will be automatically concatenated into several messages, in order to ensure proper delivery to handsets.

Send as Unicode: if you would like all messages to be sent as Unicode text, you would need to mark this field and in the HTTP string change type to Unicode (e.g. type=Unicode). Note that Unicode messages can have up to 70 characters.

Active: Checked

Tariff: Your_defined_tariff

The screenshot shows a configuration window for an SMS provider. On the left, under 'Provider protocol', the 'HTTP provider' radio button is selected. Below this, under 'Costs', there is a 'Tariff' dropdown menu currently showing '- choose tariff -', an unchecked 'Calculate costs' checkbox, and a checked 'Active' checkbox. On the right, under 'SMS provider data', the 'Name' field contains 'Routo Messaging - HTTP' and the 'HTTP string' field contains 'http://smc6.routotelecom.com/SMSse'.

Table 4: Setting up the HTTP connectivity

5 Set up dialing plan

Under **VoipSwitch Manager** application, expand the **SMS menu** and select **SMS Dialing plan**. From here you should be able to specify the dialing plan rule by adding prefixes (or a whole country if prefix is in fact a country code) you are planning to send to. From here you can also specify provider connection through which you will be sending these messages. Fields of interest are:

Number: prefix for which messages will terminate through selected provider

Destination – SMS provider: SMS Provider (in this case RoutoMessaging) through which messages will be sent for specified prefix

SMS dialing plan | Stored views | Save view | Delete current view

Telephone number: **Apply filter**

SMS provider: **Restore default**

Checked items: **Delete** | **Import...** | **Export**

	Telephone number	Priority	Balance share	Route type	Provider	Tech prefix	Type
<input type="checkbox"/>	44	0	0	SMS	RoutoMessaging		4
<input type="checkbox"/>	48	0	0	SMS	RoutoMessaging		4

Page: 1 / 1 | Results on page: 25 | Records count: 2 | Select visible columns

Number:

Priority:

Balance share:

Destination - SMS provider:

Proxy settings

Rules for modifying client's data:

None

Do not jump

Table 5: Setting up the SMS dialing plan

For further assistance please email support@routotelecom.com or contact us on 24/7 live chat available on our web site.