Spryng

Mobile Terminated SMS Gateway
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Contents:

1. Introduction:

   This document provides developers with instructions for integrating Spryng SMS-MT services into various solutions using the Spryng SMS MT HTTP API.

   When signing up for an account on http://www.spryng.be you will choose a Username and Password that is specific to your account.

   The Spryng SMS-MT HTTP API supports GET and HTTP POST with a Content-Type of 'application/x-www-form-urlencoded' via both HTTP and HTTPS.

   For more information on the Spryng SMS-MT HTTP API please send an email to our support department at info@spryng.be.

2. Connecting to the gateway:

   To submit a SMS a HTTP GET or HTTP POST call can be performed to the following address:

   http://www.spryng.be/send.php

   To submit a SMS via HTTPS a call can be performed to:

   https://www.spryng.be/send.php

   Examples for sending a SMS:

   http://www.spryng.be/send.php?OPERATION=send&USERNAME=********&PASSWORD=********&DESTINATION=3247*******&SENDER=Spryng&ROUTE=BUSINESS&BODY=test&ALLOWLONG=1

   or

   https://www.spryng.be/send.php?OPERATION=send&USERNAME=********&PASSWORD=********&DESTINATION=3247*******&SENDER=Spryng&ROUTE=BUSINESS&BODY=test&ALLOWLONG=1

3. Parameters (parameter name = Case sensitive):

USERNAME	Chosen by user when signing up on http://www.spryng.be
PASSWORD	Chosen by user when signing up on http://www.spryng.be
REFERENCE	Unique reference for delivery reports
DESTINATION	Destination Number(s)
SENDER	Originator address
BODY	Content of SMS
SERVICE	Reference tag to be added to differentiate between end users
ROUTE	To select the Spryng Business, Spryng Economy route or special route
ALLOWLONG	If you wish to send Long SMS

USERNAME

Chosen by user when signing up on http://www.spryng.be

Required:	yes
Type:	Alphanumeric, Case sensitive
Min length:	2
Max length:	32
Min value:	<na>
Max value:	<na>
Values:	<na>
Default value:	<none>
Example:	USERNAME=username
Remarks:	<none>

PASSWORD

Chosen by user when signing up on http://www.spryng.be

Required:	yes
Type:	Alphanumeric, Case sensitive
Min length:	6
Max length:	32
Min value:	<na>
Max value:	<na>
Values:	<na>
Default value:	<none>
Example:	PASSWORD=password
Remarks:	<none>

REFERENCE

Unique reference for delivery reports

Required:	Only if you want to receive delivery reports
Type:	Alphanumeric
Min length:	1
Max length:	256
Values:	<na>
Default value:	<none>
Example:	REFERENCE= abc123
Remarks:	Must be unique

DESTINATION

Destination Number(s)

Required:	yes
Type:	MSISDN-numeric (international format without leading "00" or "+")
Min length:	1 MSISDN
Max length:	1.000 MSISDN
Min value:	<na>
Max value:	<na>
Values:	<na>
Default value:	<none>
Example:	DESTINATION=32472345678, 32472345678
Remarks:	More details on error handling in chapter 3 on result values

SENDER

Originator address

Required:	yes
Type:	Numeric or Alphanumeric
Min length:	1
Max length:	14 for Numeric or 11 for Alphanumeric
Min value:	<na>
Max value:	<na>
Values:	<na>
Default value:	<none>
Example:	SENDER=0032472345678
	SENDER=Your name
Remarks:	Some operators block the incoming SMS with alphanumeric originator and overwrite it with a local numeric sender id.
	Start a numeric sender id always with the correct international format including the leading "00" (0032)

BODY

Content of SMS

Required:	yes
Type:	GSM 7-bit alphabet for text message
Min length:	1
Max length:	160 chars for text message (default : ALLOWLONG=0)
	612 chars (ALLOWLONG=1)
	When using long sms the system will automatically divide your message into message up to 153 characters per sms
Min value:	<na>
Max value:	<na>
Values:	<na>
Default value:	<none>
Example:	BODY=This%20is%20a%20test%20SMS
Remarks:	More details on characters in chapter 5 on field types

SERVICE

Reference tag can be used to create a filter in statistics

Required:	no
Type:	Alphanumeric
Min length:	1
Max length:	10
Min value:	<na>
Max value:	<na>
Values:	<na>
Default value:	<none>
Example:	SERVICE=Client1
Remarks:	<none>

ROUTE

To select the Spryng Business, Spryng Economy or Specific User route.

Required:	yes
Type:	Predefined
Min length:	<na>
Max length:	<na>
Min value:	<na>
Max value:	<na>
Values:	BUSINESS, ECONOMY, 0-9 (Specific User route)
Default value:	BUSINESS
Example:	ROUTE=BUSINESS
Remarks:	<none>

ALLOWLONG

If you wish to send Long SMS

Required:	Only if you wish to send Long SMS
Type:	Predefined
Min length:	<na>
Max length:	<na>
Min value:	<na>
Max value:	<na>
Values:	0,1
Default value:	0
Example:	ALLOWLONG=1
Remarks:	When using long sms the system will automatically divide your message into message up to 153 characters per SMS

4. Return Values:

1 – Successfully received

100 - Missing Parameter
101 - username too short
102 - username too long
103 - password too short
104 - password too long
105 - destination too short
106 - destination too long
107 - sender too long
108 - sender too short
109 - body too short
110 - body too long

200 - Security error
201 - Unknown route
202 - Route access violation
203 - Insufficient credits

800 - Technical Error

5. Delivery Reports

You can set your delivery reports by logging on to your account on http://www.spryng.be and selecting the menu item 'Instellingen' in your SMS dashboard. Here you can enter the url of your script (servlet, php script, perl, etc…) on which you wish to receive your delivery reports.

This script should expect two parameters, this will be sent via an HTTP GET. When you require a delivery reports you should not specify more than 1 DESTINATION in the request

The following status values will be sent:
10 – Delivered
20 – Not Delivered

Example: REFERENCE=abc123&STATUS=10

6. Field types

Numeric: characters 0 to 9
Alphanumeric: character from ISO-8859-1
MSISDN-numeric characters 0 to 9
GSM 7-bit alphabet (allowed characters in text messages):

The characters '**a**' through '**z**', '**A**' through '**Z**', '**0**' through '**9**', linefeed, carriage return and

@£$¥èéùìòÇØøÅå_^{}\[~]|€ÆæßÉ!"#¤%&'()*+,-./:;<=>?¡ÄÖÑÜ§¿äöñüà

7. Credit amount API

http://www.spryng.be/check.php?username=********&password=********