



NETMESSENGER API DOCUMENTATION

'Websender' API Documentation 1.5

Revision History

Date	Version	Author	Notes
15/01/2005	1	Ben Holness	Document Creation
30/05/2005	1.1	Ben Holness	Added sections for creating user and updating user credits. Update message sending option to include multiple destinations
22/06/2005	1.2	Ben Holness	Added section for bulk SCP upload
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17/03/2009	1.6	Ben Holness	Add Contacts Import
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NetMessenger API Documentation

The URL for accessing the API from within your script is:
<http://api.fastsms.co.uk/api/api.php>

The API can be called with an HTTP GET or POST, passing in the relevant parameters. **All parameters are mandatory unless otherwise stated.** All parameters must be URI Encoded.

General Parameters

Parameter Name	Description
Username	Your username
Password	Your Password
Action	The action that you would like to perform. This must be one of (not case sensitive): CheckCredits to check how many credits you have CheckMessageStatus to check the status of a message Send to send a message Report to create a report CreateUser to create a new user UpdateCredits to add/remove credits from an existing user ImportContactsCSV to import contacts

CheckCredits

If the action is set to "CheckCredits", no further parameters are required. Your credit balance will be returned in the content of the page.

CheckMessageStatus

Parameter Name	Description
MessageID	The Message ID of the message that you wish to query. This is the ID returned by the Send action and can also be found in a message report

The status of the message will be returned in the content of the page.

Send

Parameter Name	Description
DestinationAddress	The Destination Address(es) to send the message to. If you wish to send to multiple numbers, they should be separated by a comma. When submitting multiple numbers, you should use the POST method rather than the GET method.
SourceAddress	The Source Address for the message
Body	The Message Body (max 459 characters)
ScheduleDate (optional)	The date that the message should be sent (YYYYMMDDHHMMSS)
SourceTON (optional)	The Type Of Number for the source address (1 for international, 5 for alphanumeric)
ValidityPeriod	The period in seconds that the message will be tried for (maximum 86400 = 24 hours)
GetAllMessageIDs	If the message is longer than 160 characters, the system by default will return only the first ID for each message. Set this parameter to 1 to return all the Ids for each part of each message.

The message ID or error code will be returned in the content of the Page. If multiple numbers are submitted then multiple IDs / error codes will be returned, separated by commas.

Report

Parameter Name	Description
ReportType	The Type of report. Options are: Outbox (From and To dates are ignored for this report) Messages Usage
From	The start date for the report (YYYYMMDDHHMMSS)
To	The end date for the report (YYYYMMDDHHMMSS)

The report, in CSV format, will be returned in the content of the page.

CreateUser

Parameter Name	Description
ChildUsername	The username of the user you wish to create
ChildPassword	The password for the user
AccessLevel	What access level the user should have (normal or admin)
Name	The name of the user
Email	The email address of the user
Telephone (optional)	The telephone number of the user
Credits	How many credits the user should start with (these will be deducted from your account)
CreditReminder (optional)	When to send the user a low credit warning email (number of credits left to trigger the email)
Alert (optional)	After how many days of inactivity should an inactivity alert be sent
Suspend (optional)	After how many days of inactivity should the user be automatically suspended

If successful, '1' will be returned in the content of the page. If unsuccessful, the first line of the page will be the error code and the following lines will contain text information about the nature of the error(s).

UpdateCredits

Parameter Name	Description
ChildUsername	The username of the user that you wish to transfer credits to/from. The user must belong to you.
Quantity	The amount of credits to transfer. If the number is positive, credits will be transferred to that user. If the number is negative, they will be transferred from that user to you.

If successful, '1' will be returned in the content of the page.

ImportContactsCSV

Parameter Name	Description
ContactsCSV	A comma separated list of contacts to add, one per line formatted as follows: name,number,email,group1,group2,group3
IgnoreDupes (optional)	If set to 1, the system will allow duplicate contacts (name or number) to be created. By default the system will not allow duplicate names or numbers in contacts.

For each line in the ContactsCSV parameter, a corresponding line will be returned in the content of the page in the format:

[line] : [result]

Where result is one of:

Success

Duplicate Name

Duplicate Number

Partial

Failed

If there are any Partial or Failed lines, then there will be a blank line, followed by text with details of all the errors below. Partial will usually mean that the contact was added, but could not be put in the group.

Example:

ContactsCSV Parameter contains:

Contact 1,447777777771,noone@anywhere.com,group1

Contact 2,447777777772,

Contact 3,447777777773,,group1,group2,group3

,447777777774,noone@anywhere.com,group3

Contact 5,mynumber,noone@anywhere.com,group3

Gives the reponse:

1 : Success

2 : Success

3 : Success

4 : Failed

5 : Failed

Errors:

4 : No name

5 : Invalid number (mynumber)

Inbound Message HTTP Forwarding

If you have bought an MSISDN, you can set up the system to forward messages sent to that MSISDN to a web page on your website.

To do this, login into the web interface, go to your inbox and click on the manage button for the MSISDN you want to forward.

Once there you will be able to choose the URL to forward to, whether you want to forward with the GET or POST method and what to pass with the auth parameter. (The auth parameter is a passthrough variable designed to add some security by having a password passed through)

The following parameters are used in the call to your site:

source – the phone number that the message came from

dest – the MSISDN that the message was received on

msg – the body of the message

id – the ID of the message

receivedts – the timestamp that the message was received by FASTSMS in the format

YYYY-MM-DD HH:MM:SS

auth – the passthrough variable defined in manage MSISDN on the web interface

Bulk Uploads

NetMessenger accepts bulk upload files via SCP. These files contain a list of messages to be sent.

In order to use the bulk upload facility, you must create a plain text file which conforms to the specifications below.

The file must have a settings section. The start of the settings section is indicated by a single line containing the text ['settings']

The end of the settings section is indicated by a single line containing the text ' [/settings] '

Within the settings section, you must define your username and password (see example below). You can also optionally define settings that apply to each number to which the message is sent.

The settings that must be defined either in the settings section or on each line are: SourceTON, SourceAddress, Body

Optional settings that can be defined are: ScheduleDate, ValidityPeriod, DCS, UDH, CountryCode and Recurring Message Details (see below).

If these settings are not defined, then the system defaults will be used. (scheduled for now, 24 hour validity period, no DCS or UDH, no country code).

The CountryCode setting is for use when your system outputs numbers without a country code (e.g. 07123456789 or 7123456789). If this setting is used, the system will prepend the specified country code to all numbers, stripping a single 0 if necessary.

If you wish to setup recurring messages, the following fields must be defined, either in the settings section or on each line in this order: RecurType (hourly, daily, monfri, weekly, monthly or yearly)

FirstOccurrence (dd/mm/yyyy)

LastOccurrence (dd/mm/yyyy)

SendTime (hh:mm, Do not include if RecurType is hourly)

Days (Comma separated, include only if RecurType is monthly)

StartTime (hh:mm, Only if RecurType is hourly)

StopTime (hh:mm, Only if RecurType is hourly)

If the recurrence is defined on a per line basis, the Scheduled Send Time/Date should be set to "Recurring" and the above details should be placed between the UDH and Body fields.

After the settings section, the numbers and details of the messages are defined in a comma separated format. If there are values in one of the lines that already exist in the settings section, then the value in the line will override the value in the settings section.

The format for each message is as follows:

Destination Address,Source Address,Scheduled Send Time/Date
(YYYYMMDDHHMMSS),Source TON,Validity Period,DCS,UDH,Body

An example of a line to setup a message that recurs daily would be:

Destination Address,Source Address,'Recurring',Source TON,Validity
Period,DCS,UDH,'daily',FirstOccurrence,LastOccurrence,SendTime,,Body

An example of a line to setup a message that recurs monthly would be:

Destination Address,Source Address,'Recurring',Source TON,Validity
Period,DCS,UDH,'monthly',FirstOccurrence,LastOccurrence,SendTime,DaysTo
Send, Body

An example of a line to setup a message that recurs hourly would be:
Destination Address,Source Address,'Recurring',Source TON,Validity
Period,DCS,UDH,'hourly',FirstOccurrence,LastOccurrence,StartTime,Stop
Time,Body

If the Source Address is an MSISDN, then the Source TON should be 1. If the source address is alphanumeric, the Source TON should be 5. The validity period is defined in seconds and has a maximum (and default) of 86400 (24 hours).

The body must be on one line. If you wish to place a newline in the body, please use ' :::::SLASHN::::: '

The last line of the le must be ' EOF'. Without this line, the le will not be processed.

To upload the file, you must connect to upload.fastsms.co.uk using SCP on port 22. For SCP access, please email helpdesk@fastsms.co.uk

When uploading with SCP, you should upload the files to the /scpupload folder.

Once you have received the login details, you will be able to upload your file.

Once you have uploaded your file, it will be picked up by the system and processed. You can see the progress of the file under the bulk message summary report. If the file does not appear in this report, please check that you have entered the correct username and password in the file and that the file is plain text.

Bulk Upload Examples

Example 1: Everything is defined in the settings section, but one message has a different body and source address.

```
[settings]
Username=MyUser
Password=MyPass
SourceTON=1
SourceAddress =447777777777
Body=This is an example Message
[/settings]
447777777771
447777777772
447777777773,MySource,,5,,,This msg has a unique body and source
447777777774
EOF
```

Example 2: Nothing is defined in the settings section, each message is different

```
[settings]
Username=MyUser
Password=MyPass
[/settings]
447777777771,447777777777,,1,,,Message 1
447777777772,447977777777,20060601120000,1,,,Message 2
447777777773,MySource,,5,,,Message 3
447777777774,447777779777,,1,,,Message 4
EOF
```

Appendix A: Error Codes

Parameter Name	Description
-100	Not Enough Credits
-101	Invalid CreditID
-200	Invalid Contact
-300	General Database Error
-400	Some numbers in list failed
-401	Invalid Destination Address
-402	Invalid Source Address – Alphanumeric is too long
-403	Invalid Source Address – Invalid Number
-404	Blank Body
-405	Invalid Validity Period
-406	No Route Available
-407	Invalid Schedule Date
-408	Distribution List is Empty
-409	Group is Empty
-410	Invalid Distribution List
-411	You have exceeded the limit of messages you can send in a day to a single number
-412	Number is blacklisted
-501	Unknown Username/Password
-502	Unknown Action
-503	Unknown Message ID
-504	Invalid From Date
-505	Invalid To Date
-506	[Internal Use]

-507	Invalid/Missing Details
-508	Error Creating User
-509	Unknown/Invalid User
-510	You cannot set a user's credits to be less than 0
-511	The system is down for maintenance
-601	Unknown Report Type

What to do next...

- If you don't yet have a FASTSMS account and would like a no obligation trial of the FASTSMS system we will happily give you **10 FREE CREDITS** to start you off.

You can apply online for this free trial by visiting:

www.FASTSMS.co.uk/information

If you are ready to open an account now you can do so from as little as **£4.90 for 100 credits** by visiting:

<http://login.fastsms.co.uk/newaccount.php>

Alternatively, contact us for more information:

Phone: 0800 954 5305

Email: helpdesk@fastsms.co.uk

Text: 07797 800 902

Fax: 01527 557 122