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<http://helpdesk.messagingpeople.com>
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messagingPeople

messagingPeople Developer APIs for HTTP/HTTPS

Version 2.10 (Dec 2011)

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For support related developer questions contact: <http://helpdesk.messagingpeople.com> or visit the Frequently Asked Questions list (FAQ) at <http://faq.messagingpeople.com>.



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1. History

Date	Description
01 Aug 2006	Initial release.
27 Sep 2006	Updated the document logo.
01 May 2008	Added HTTPS documentation.
09 Aug 2008	Added partnership and QR-Codes API information.
06 Nov 2008	Added optional parameters to the voice API.
22 Dec 2008	Added long SMS and Unicode SMS details.
15 May 2010	Updated documentation templates and new method setSenderId
17 Dec 2011	Removed deprecated functionality



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2. General

2.1 Supported Environments

By connecting to the messagingPeople gateway via HTTP/HTTPS Interface means that all operating systems can use the interfaces published.

2.2 Sample Source Code

The sample source code can be found by downloading the messagingPeople SDK. The messagingPeople SDK provides all the online documentation, sample projects for ASP, C#.NET, c-shell scripts, HTML, JAVA, JSP, perl, PHP, VB, VB.NET, VC++, C++.NET and other development languages for sending SMS, WAP, MMS and faxes.

Download the SDK package from:

<http://www.messagingpeople.com/download/messagingPeopleSDK/setup.exe>.



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3. Developers APIs

3.1 Send SMS

This method sends SMS to the list of international phones numbers provided. When sending SMS you must ensure that your messages are kept within 160 characters in length (SMS maximum limit).

Additionally this method supports long SMS. What this means is that long messages will be broken into several SMS messages and then concatenated automatically on the receiver's mobile phone as one single message (most newer generation mobile phones already support this feature).

You can send plain text SMS or Unicode SMS. Differences are as follows:



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Plain text SMS:

Plain text SMS has the maximum length of 760 characters (i.e 5 SMS each with a limit of 160 bytes of data for communication). If you send messages longer than 160 characters then this would be classified as a long SMS and your long message will be automatically broken into several SMS and rejoined as a single message on the receiver's mobile phone.

Unicode SMS:

Unicode messages allow information containing non-English character-set to be transmitted and displayed correctly on the recipient's mobile phone. Languages such as Chinese, Japanese, Korean, Indian, Arabic etc would need to be encoded using Unicode.

Unicode SMS has the maximum length of 335 characters (i.e 5 SMS each with a limit of 160 bytes of data for communication). If you send messages longer than 70 characters then this would be classified as a long SMS and your long message will be automatically broken into several SMS and rejoined as a single message on the receiver's mobile phone.

When sending Unicode messages you need to ensure that your message is in the format as followed:

`%%UNICODE%%<<Hex 1>><<Hex 2>><<Hex 3>> etc`

For example to send the message containing two characters: "你好" which has the Unicode hex codes of each character as 4F60h 597Dh (each character is represented by 2 bytes in hexadecimal – i.e four hexadecimal digits). Thus the final message string to pass to the method would be written as:

`%%UNICODE%%4F60597D`

Do not pass wide character strings or Unicode strings or the likes. Simply just convert each character set into the hexadecimal equivalent.

As you are sending over HTTP you **MUST URL encode** all text transmitted. This is important given that the "%" is used above and must be encoded.

When sending SMS you can also specify whether this is a flash SMS or a normal SMS message.

By default your sender SMS number is specified via the website portal.

When recipients reply to SMS it will be directed to the sender SMS number (provided that your sender SMS number is valid).

Send Sms

HTTP/HTTPS | http://www.messagingpeople.com/http_api/send_sms.php



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URL	<i>or</i> https://www.messagingpeople.com/http_api/send_sms.php
HTTP/HTTPS Method:	<i>GET or POST</i>
HTTP/HTTPS Encoding:	<i>N/A</i>
User:	<i>The user name of the messagingPeople account</i>
Password:	<i>The password of the messagingPeople account</i>
Message:	<i>Message for plain text or Unicode message. See details above.</i>
PhoneList:	<i>The list of international phone numbers to send SMS to. Multiple entries are separated by the ';' character.</i>
ScheduleGmt:	OPTIONAL PARAMETER <i>The date/time in GMT to send the message. Must be in the format as follows: YYYYmmdd+HHMM where YYYY is the year, mm is the month, dd is the day, HH is the hour and MM is the minutes. HH range is [0, 24).</i>
SenderId	OPTIONAL PARAMETER <i>For sending SMS you can dynamically set your Sender ID to use. Ensure that your account has been enabled to set the Sender ID dynamically otherwise you can change your Sender ID by logging online and setting your Sender ID account preferences.</i>

Refer to Section 2.2 for the sample source code contained within the messagingPeople SDK installation package.

3.2 Send MMS

This method sends MMS to the list of international phones numbers provided. When sending MMS you can content of JPEG, GIF and MIDI file types. We do automatically convert other images of unknown types to JPEG formats (see our FAQ online for the list of images automatically converted).

File types are determined by the extension of the file name. Thus your file name should have the appropriate extension given.

An optional description can be sent along with your MMS and this is provided via the body section of your email.

By default your sender MMS number is specified via the website portal.

When recipients reply to MMS it will be directed to the sender MMS number (provided that your sender MMS number is valid).



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Send Mms	
HTTP/HTTPS URL	http://www.messagingpeople.com/http_api/send_mms.php or https://www.messagingpeople.com/http_api/send_mms.php
HTTP/HTTPS Method:	POST
HTTP/HTTPS Encoding:	multipart/form-data
User:	The user name of the messagingPeople account
Password:	The password of the messagingPeople account
Message:	The MMS message to send
PhoneList:	The list of international phone numbers to send MMS to. Multiple entries are separated by the ';' character.
FileName:	The file content to send.
ScheduleGmt:	OPTIONAL PARAMETER The date/time in GMT to send the message. Must be in the format as follows: YYYYmmdd+HHMM where YYYY is the year, mm is the month, dd is the day, HH is the hour and MM is the minutes. HH range is [0, 24).
SenderId	OPTIONAL PARAMETER For sending Direct MMS you can dynamically set your Sender ID to use. Ensure that your account has been enabled to set the Sender ID dynamically otherwise you can change your Sender ID by logging online and setting your Sender ID account preferences.

Refer to Section 2.2 for the sample source code contained within the messagingPeople SDK installation package.

3.3 Send WAP

This method sends WAP to the list of international phones numbers provided. When sending WAP you can send content of any type. Images are automatically converted to JPEG types (smaller in size) as described on the in the FAQ online. Ring tones, Java Games, videos and other content are simply passed to the destination mobile untouched.

A message should be provided with the WAP message itself.

By default your sender WAP number is specified via the website portal.

When recipients reply to WAP it will be directed to the sender WAP number (provided that your sender WAP number is valid).

Send WAP



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HTTP/HTTPS URL	http://www.messagingpeople.com/http_api/send_wap.php or https://www.messagingpeople.com/http_api/send_wap.php
HTTP/HTTPS Method:	POST
HTTP/HTTPS Encoding:	multipart/form-data
User:	The user name of the messagingPeople account
Password:	The password of the messagingPeople account
Message:	The MMS message to send
PhoneList:	The list of international phone numbers to send MMS to. Multiple entries are separated by the ‘;’ character.
FileName:	The file content to send.
ScheduleGmt:	OPTIONAL PARAMETER The date/time in GMT to send the message. Must be in the format as follows: YYYYmmdd+HHMM where YYYY is the year, mm is the month, dd is the day, HH is the hour and MM is the minutes. HH range is [0, 24).

Refer to Section 2.2 for the sample source code contained within the messagingPeople SDK installation package.

3.4 Send FAX

This method sends FAX to the list of international phones numbers provided. When sending FAX you can send content in the supported types as covered in the FAQ online. Unsupported formats will simply be rejected. Documents must be unencrypted with no password protections.

By default your sender FAX number is specified via the website portal.

Send FAX	
HTTP/HTTPS URL	http://www.messagingpeople.com/http_api/send_fax.php or https://www.messagingpeople.com/http_api/send_fax.php
HTTP/HTTPS Method:	POST
HTTP/HTTPS Encoding:	multipart/form-data
User:	The user name of the messagingPeople account
Password:	The password of the messagingPeople account
PhoneList:	The list of international phone numbers to send Fax to. Multiple entries are separated by the ‘;’ character.
FileName:	The file content to send.
ScheduleGmt:	OPTIONAL PARAMETER The date/time in GMT to send the message. Must be in the format as follows: YYYYmmdd+HHMM where YYYY is the



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year, <i>mm</i> is the month, <i>dd</i> is the day, <i>HH</i> is the hour and <i>MM</i> is the minutes. <i>HH</i> range is [0, 24).

Refer to Section 2.2 for the sample source code contained within the messagingPeople SDK installation package.

3.5 Partnership API

For all partnership APIs please refer to the Web Services documentation where this is extensively covered and supported.

Partnership APIs allow you to create and manage sub users. Resell and rebrand services applying your own margins and charges applied to the sub user accounts.

3.6 QR-Codes (Quick Response Codes) API

This method sends generates QR-Codes based on the input parameters given. An example of the QR-Code to display <http://www.messagingpeople.com> is displayed below.



It should be noted that a Japanese company called Denso-Wave designed the special two-dimensional bar code. The original purpose was to allow data to be stored in images and downloaded to appliances and mobiles (i.e mobile tagging).

All QR-Code is open in the sense that Denso-Wave has not exercised the patent rights. It should be noted that all QR-Codes generated are registered trademarks belonging to Denso-Wave.

Generate QR-Code	
HTTP/HTTPS URL	http://www.messagingpeople.com/getqrcode.php or https://www.messagingpeople.com/getqrcode.php
HTTP/HTTPS Method:	GET
HTTP/HTTPS Encoding:	N/A
PixelSize:	<i>The size of each pixel used in the QR-Code.</i>
ErrorLevel:	<i>The level of error correction capacity to be included with the QR-Code (where Level L is 7% of the code words can be restored, Level M is 15% of code words can be restored, Level Q is 25% of code words can be restored)</i>



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	<i>and Level H is 30% of code words can be restored). The more error correction capacity you include into the QR-Code the bigger the resulting image will appear.</i>
Data:	<i>The data to encode.</i>



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4. Appendices

4.1 Error Codes

ErrorCode	Description
0	Success
1	Unknown error
2	Bad arguments passed
3	User had some failed attempts to log in previously, forced delay
4	Bad user name or password
5	Can't create session
6	Exception error caught
7	No valid session
8	Database error
9	Security breach
10	Maximum number of contacts received for sending (break down into smaller batches)
11	Failed to call remote function over SOAP
12	Some file operation error occurred
13	Out of memory
14	Can not locate the messagingPeople Gateway Server
15	Setting schedule date failed (Possibly setting date too far in future)
16	Bad time format