http api version 1.1

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ciedco-sms gateway http api specifications document

- **Homs –Syria**
- **Tel: +963 31 2222247 :: +963 11 2325607**
- **Fax: +963 31 2212247**
- **Mobile: (sales) +963 944 652247 :: (Support) +963 967 498298**
- **Email:info@ciedco-sms.net**
- **Website: http://www.ciedco-sms.net**

overview

this document is intended for users, who wish to develop applications using the ciedco-sms gateway for sending sms messages. the gateway can be accessed by http protocol by submitting values by get method to the api server.

introduction

ciedco-sms gateway can be accessed in various ways:
- using http protocol api and submitting values by get method
- using com component in applications.
- using ciedco-sms web interface

Note:

Accessing gateway through http protocol is one of the best & the fastest ways to deliver sms messages.

the ciedco-sms gateway http api can be used to send various types of sms messages including simple text messages, unicode messages, ring tones and operator logos. this document gives a detailed explanation of using the gateway through http protocol.

authentication

in order to deliver a message, the gateway needs to authenticate that the request is coming from a valid source.

this authentication is done using various parameters such as:
username : email of the account
password : password of the account.

the username & password is provided to the client after registering for the http api option.

the client can check for authentication by the hitting the gateway url with their respective username/password parameter values.

example:
http://www.ciedco-sms.net/api/checklogin.php?username=xxxx&password=xxxx

you will get reply as (your credits value)

Result:

inputs	return values
valid username & password	{no of credits}
invalid username & password	00

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Single/Bulk messaging :

for sending any type of sms message, the gateway requires to be sent various parameters including username & password for authentication purposes. all the parameters need to be sent via http protocol using the get method. the number of parameters required depends upon the type of sms message.

for sending non-batch sms messages the following ciedco-sms gateway url needs to be accessed with the required parameters

http://www.ciedco-sms.net/api/sendsms.php?username=xxxx&password=yyyy&mno=123456789&msg=welcome to ciedco-sms technologies &sid=ciedco&fl=0&mt=0

the following are the parameters required:

parameter name	parameter value	description
username	xxxx	username of the account
password	yyyy	password of the account
mno	123456789	destination mobile no (global format).
msg	welcome to ciedco-sms technologies.	message to be sent
sid	ciedco	sender id/from clause in the sms message.
fl	0	flash message indicator (0/1)
mt	0	message type: text, unicode, ring tone, operator logo

example:

http://www.ciedco-sms.net/api/sendsms.php?username=xxxx&password=yyyy&mno=123456789&msg=welcome to ciedco-sms technologies &sid=ciedco&fl=0&mt=0

Result:

the customer would get following Result values for sending messages.

inputs	return values
messages sent successfully	200304174210838 value returned is the date timestamp. the date timestamp is made up of year+month+date+uniqueid (yyyymmdd+uniqueid) it can be retained for generating cdr reports.
message not sent.	error code

Note:

To send bulk sms you can pass those numbers in (mno) parameter with "," between each number .

example:

http://www.ciedco-sms.net/api/sendsms.php?username=xxxx&password=yyyy&mno=111111111,222222222,333333333,444444444&msg=welcome to ciedco-sms technologies &sid=ciedco&fl=0&mt=0

message parameters in detail

1. username (username)

the username parameter value is passed for authentication purposes. the username is provided to the client when he registers for http api option for sending sms messages through the ciedco-sms gateway.

the username (username) parameter cannot be more than 20 characters long and can only contain alphabets and numbers, with no spaces.

2. password parameter (password)

the password parameter value is also passed in combination with the username for authentication purposes. the password is provided to the client along with the username when he registers with ciedco-sms technologies for sending sms messages through the ciedco-sms gateway.

the password (pass) parameter cannot have more than 20 characters and can contain only alphabets and numbers, with no spaces.

3. mobile number parameter (mno)

the mobile number parameter refers to the destination mobile number to which the message is to be sent.
however, the mobile number is required to be in a specific format. any error in this parameter value would lead to non-delivery of the message.

the mobile number should contain only numbers. it must also include the country code at the start beginning.
it should not contain any symbols (+) or 00 etc. and it must be a valid mobile number supported by the ciedco-sms gateway.

4. message parameter (msg)

the message parameter refers to the actual message that is to be sent to the destination mobile (mno). the behavior of the message parameter differs depending on the type of message being sent.

the message parameter may consist of up to 160 characters belonging to the following set:
· **a…z a…z 0…9**
· blank space
· the meta characters \ (line feed)

due to restrictions in the http protocol format, the following special characters must be encoded in order not to collide with reserved http characters:

character must be encoded as :

character	hexa-decimal encoded string
&	%26
+	%2b
%	%25
#	%23
=	%3d
enter	%0a

for simple text messages, the message can contain numbers, alphabets, spaces and certain special characters. however, the message can contain a maximum of 160 characters, including spaces.

in case of unicode messaging, the message can contain only numbers in the form of unicode digits. further, it can be a maximum of 69 characters i.e. 69 x 4 unicode digits for each character = 276 digits.

in case of binary messaging, the message can contain only valid 8-bit data string. the binary message can be maximum of 140 characters only (i.e. one sms). however, ring tones, operator logos & pictures that exceed one sms can also be sent in form of concatenated sms.

5. sender id (sid)

the sender id parameter refers to the message dispatcher or from clause (the sender), from whom the message is sent.

the sender id cans either be a valid international number up to sixteen characters long or an eleven character alphanumeric string. the sender id is an optional clause. in case the sender id is not specified, the smsc number is sent as the sender id to the destination mobile.
in case of binary messages the sender id is encoded in the 8-bit binary data string and hence not required to be sent.

sender id in case of text messaging can only be made up of alphabets & digits. it cannot contain any special characters such as (-,+) etc.

Note:
sender id can be encoded in the 8-bit binary string for operator logos & ringtones. however, sender id cannot be encoded in 8-bit binary string for picture messages and hence cannot be sent.

6. flash message (fl)

flash message parameter indicates whether the message will be a flashed on the destination mobile (mno).

it can contain only the values (0 or 1). default value for this parameter is 0. when the flash parameter is sent as 1 (fl=1), the sms message is flashed on the destination mobile.

value	description
0	don't flash message.
1	flash message on destination mobile screen.

Note:
unicode messages cannot be sent as a flash message. however sending flash messages in bulk is possible.

7. message type (mt)

message type is a flag sent to the ciedco-sms gateway to identify the type of message being sent. the default value of message type is 0, which refers to text message. it is on the basis of this parameter that the ciedco-sms gateway classifies the type of messages being sent and forwards it accordingly.

the message type parameter can contain any of the following values:

value	description
0	simple text message
1	unicode message
2	binary message (ring tones, operator logo, picture messaging)

sms examples

1. sending single text message

http://www.ciedco-sms.net/api/sendsms.php?username=xxxx&password=xxxx&mno=963988477400&msg=welcome to ciedco-sms technologies &sid=ciedco&fl=0&mt=0

2. sending single text flash message

http://www.ciedco-sms.net/api/sendsms.php?username=xxxx&password=xxxx&mno=963988477400&msg=welcome to ciedco-sms technologies &sid=ciedco&fl=1&mt=0

3. sending single arabic text message

http://www.ciedco-sms.net/api/sendsms.php?username=ciedco&password=ciedco&mno=963988477400&msg=062a06450020062a0633062c064a064406430020062800646062c0627062d00200641064a0020062e062f0645062900200631063306270626064400200627064406470627062a064100200627064406460642062706440&sid=unicode&mt=1

4. sending ring tones

http://www.ciedco-sms.net/api/sendsms.php?username=ciedco&password=ciedco&mno=963988477400&udh=06050415810000&msg=024a3a51c8c8d0d004007510cae6a0a2702702d02b02702d02d049a8289c09c0b40ac09c09c09c126a0a2702702d02b02702d02d049a8289c09c0b40ac09c09c09c08c09c09d09d09c09c09c08c09c09d09d09c09c09c09c000&mt=2

5. sending concatenated picture message

picture message - part i

http://www.ciedco-sms.net/api/sendsms.php?username=ciedco&password=ciedco&udh=0b0504158a000000033 80301&msg=3000000e546869732069732061207465737402010000481c0100000000000000 00000000000000000000000000000000000000000000000000000000000000fe0000000 00000ff801ff80000000003ffc03ffc00000000078fe03ffe00000000071ff07fff00000020873fc0fffb 00000001063f80fffb00000000063f0&mno=963988477400&mt=2

picture message - part ii

http://www.ciedco-sms.net/api/sendsms.php?username=ciedco&password=ciedco&udh=0b0504158a000000033 80302&msg=03ffb00000012473fe00ff31c138012473ffc1ff3020841ffffffffffffffff0feb0001dff07fe60 008090201efe07fee00190e0400ffe003cc0070000000ffff03dc00000600007fff03980000000000 1fff03b000000000000fff8370000000000007ff87e0000000000001ffc7c00000000000003fc7800 000000000000fef0&mno=963988477400&mt=2

picture message - part iii

http://www.ciedco-sms.net/api/sendsms.php?username=ciedco&password=ciedco&udh=0b0504158a000000033 80303&msg=000000000000001ec000000000000000000000000000000000&mno=963988477 400&mt=2

appendix a: error codes

the following are the error codes returned by the ciedco-sms gateway in case of invalid parameters provided.

error code	description
0000	message not sent.
200304174210838	message sent successfully.
0005	invalid server
0010	username not provided.
0011	password not provided.
00	invalid username/password.
0020	insufficient credits
0030	invalid sender id
0040	mobile number not provided.
0041	invalid mobile number.
0042	network not supported.
0050	invalid message.
0060	invalid quantity specified.
0066	network not supported
NOIP	user ip not provied
OUTTIME	You are allowed to send between 10 AM and 10 PM only
0070	Invalid value in Media Type
0080	Internal Error

Note:
only the above-defined validations are performed at the server side. all other validations for any parameter are required to be handled at the client side explicitly.

for example,
the mobile number is not validated at the sever end for containing any characters other than numbers or for not being in the international format.

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in case of unicode messaging, if the value of message type parameter (mt) is sent as 0 instead of 1, then the message would be sent as simple text message and not unicode, since no such validation is performed at the server end.

contact details

ciedco-sms technologies

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