

www.MyMobileAPI.com

Shortcode Guide

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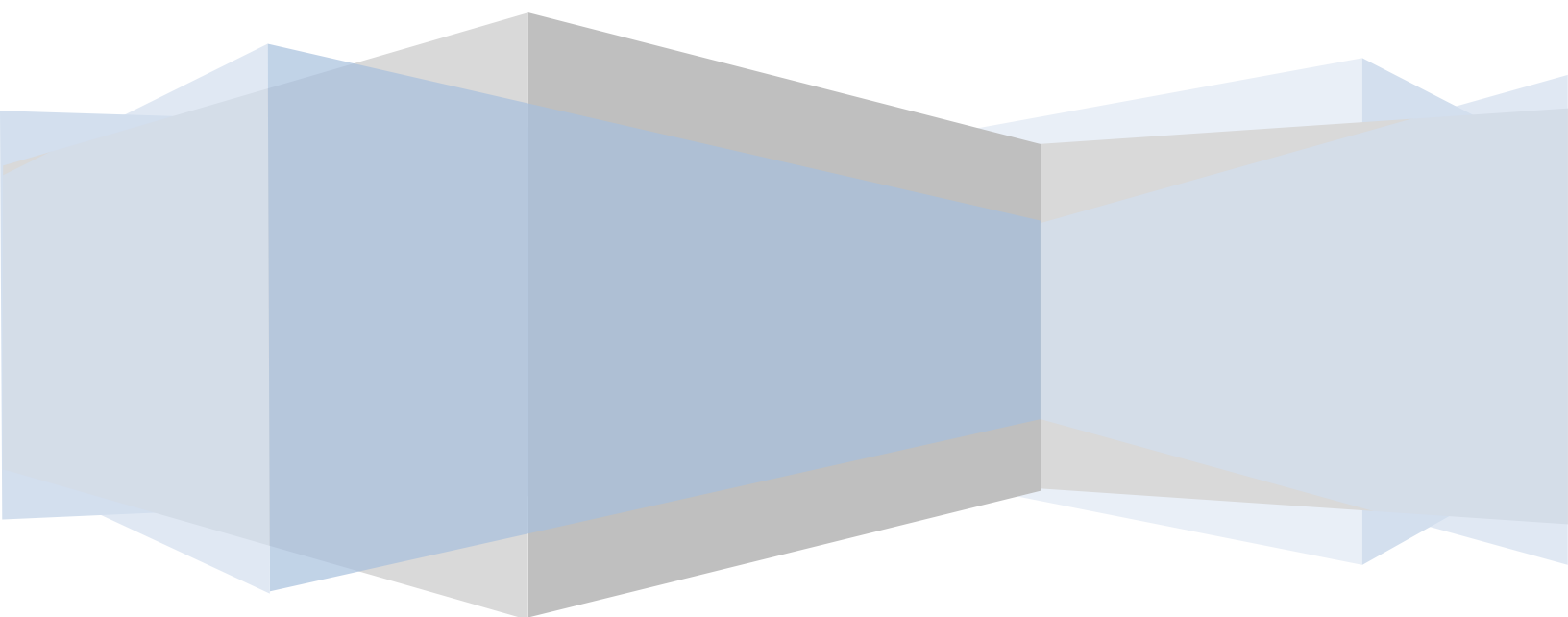


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Overview:

The web service can be referenced at <http://www.mymobileapi.com/api5/api.asmx>

The naming convention describes what the function accepts and returns. EG: Shortcode_STR_DS will accept an XML string and return a Dataset (.net object).

Most of the functions follow a common thread: Accept 3 parameters, return XML or dataset.

The returned data will always contain:

```
</api_result>  
<call_result>  
<result>True</result>  
<error />  
</call_result>  
</api_result>
```

The result will either be “True” of “False”. If “False” the error will be displayed with the “error” tag.

List Shortcodes:

Getting a list of shortcodes from the system:

There are 4 methods to list your shortcode(s):

- Shortcode_DS_DS
- Shortcode_STR_DS
- Shortcode_STR_STR
- Shortcode_DS_STR

Each function accepts 3 parameters

- Username (String)
- Password (String)
- XML String or Dataset (depending on the function you choose)

The XML object looks like:

```
<options>
<settings>
<cols_returned></cols_returned>
<date_format></date_format>
</settings>
</options>
```

XML tag	Description	Default	Mandatory
Cols_Returned	The xml tags returned in the result. Options are : shortcode, keyword, startdate, enddate, porturl, forwardemail, forwardmobile, response, campaign, reportday, reportweek, reportmonth. Each entry must be separated with a comma.	ID	NO
Date_Format	The format of any dates that are returned.	dd/MMM/yyyy HH:mm:ss	NO

The output returned will be a dataset or XML in the following format:

```
<api_result>
<data>
<id></id>
```

```

< shortcode ></ shortcode >
< keyword ></ keyword >
< startdate > </ startdate >
< enddate ></ enddate >
< porturl ></ porturl >
< forwardemail > </ forwardemail >
< forwardmobile > </ forwardmobile >
< response > </ response >
< campaign ></ campaign >
< reportday ></ reportday >
< reportweek ></ reportweek >
< reportmonth ></ reportmonth >
</data>
<call_result>
<result></result>
<error />
</call_result>
</api_result>

```

XML tag	Description
id	A unique ID identifying the shortcode
shortcode	The shortcode (5 digit number)
keyword	If the shortcode has been separated on a keyword it will display it. Each keyword can have its own properties.
startdate	The date the shortcode was started
enddate	The date the shortcode expires
porturl	The URL that is executed when a shortcode is received
forwardemail	Forward the shortcode to an email address (entries separated with a comma)
forwardmobile	Forward the shortcode to a mobile number
response	Send an automated response to the user that initiated the sms eg: "Thank you for you request, we will respond shortly"
campaign	A campaign code eg: XMAS sale
reportday	Send a report every day to the email address(s). Separated with a comma
reportweek	Send a report every week to the email address(s). Separated with a comma
reportmonth	Send a report every month to the email address(s). Separated with a comma

Update a Shortcode:

There are 4 methods to update the settings on a shortcode:

- ShortCode_Update_DS_DS
- ShortCode_Update_STR_DS
- ShortCode_Update_STR_STR
- ShortCode_Update_DS_STR

Each function accepts 3 parameters

- Username (String)
- Password (String)
- XML String or Dataset (depending on the function you choose)

The XML object looks like:

```
<options>
  <settings>
    <id>0</id>
    <posturl></posturl>
    <forwardemail></ forwardemail >
    <forwardmobile></ forwardmobile >
    <response></ response >
    <campaign></ campaign >
    <reportday></ reportday >
    <reportweek></ reportweek >
    <reportmonth></ reportmonth >
  </settings>
</options>
```

All entries marked in **BLUE** are not mandatory.

Please see the “Shortcode List” function for explanations on the above properties.

The output of the following will be defined by the input of the above parameters:

```
<api_result>
  <call_result>
    <result>True</result>
    <error />
  </call_result>
</api_result>
```

The function will return True or False in the result tag. If an error occurs it will display it in the error tag.

Retrieving incoming shortcodes:

The SMS Gateway is designed to allow easy retrieval of your inbound messages (shortcodes).

The design allows the following:

- Retrieve items you have not already pulled
- Instant retrieval of data (due to API table design and indexing)
- Customizable result formatting
- Prevents timeouts

So how is this achieved?

The API system uses a unique identity field called "ChangeID" which is permanently incrementing. When an inbound message is received from the corresponding network a new record is written to the API and hence the ChangeID will increment by 1.

In the result set the element "ChangeID" will be present along with the other elements you have specified. This needs to be stored and the maximum changeid utilized by the next call. The following is occurring with the SMS Gateway:

"Select top 100 * from ShortCode_Table where ID > @ID order by ID asc"

Some tips:

Start with ID (changeid) = 0

Store the max changeid in your local system permanently (database or IO system)

There are 6 methods available to retrieve replies:

- ShortCode_Get_DS_DS
- ShortCode_Get_DS_STR
- ShortCode_Get_DS_ZIP
- ShortCode_Get_STR_DS
- ShortCode_Get_STR_STR
- ShortCode_Get_STR_ZIP

Each function accepts 3 parameters

- Username (String)
- Password (String)
- XML String or Dataset (depending on the function you choose)

The XML object looks like:

```

<options>
<settings>
<id>0</id>
<date_format></date_format>
<shortcode></shortcode>
<keyword></keyword>
</settings>
</options>

```

XML tag	Description	Default	Mandatory
ID	The max ChangeID from the previous call	-	Yes
Date_Format	The format of any dates that are returned.	Dd/MMM/yyyy HH:mm:ss	No
Shortcode	The shortcode (5 digit number). If nothing is specified then all shortcodes are returned.	0	No
Keyword	Search on a keyword. If a keyword has been allocated to your account eg : "test" you can specify to retrieve only these entries.	" "	No

The output returned will be a dataset or XML in the following format:

```

<api_result>
<data>
<changeid></changeid>
<shortcode></shortcode>
<keyword ></ keyword >
<phonenumber></phonenumber>
<message> </message>
<received></received>
</data>
<call_result>
<result></result>
<error />
</call_result>
</api_result>

```

XML tag	Description
---------	-------------

changeid	The max unique ChangeID for each incoming message
Shortcode	The shortcode (5 digit number)
Keyword	If the shortcode has been separated on a keyword it will display it. Each keyword can have its own properties.
Phonenumber	The number the message was received from
Message	The Message received
Received	The date the message was received