

www.MyMobileAPI.com

Web Services V5

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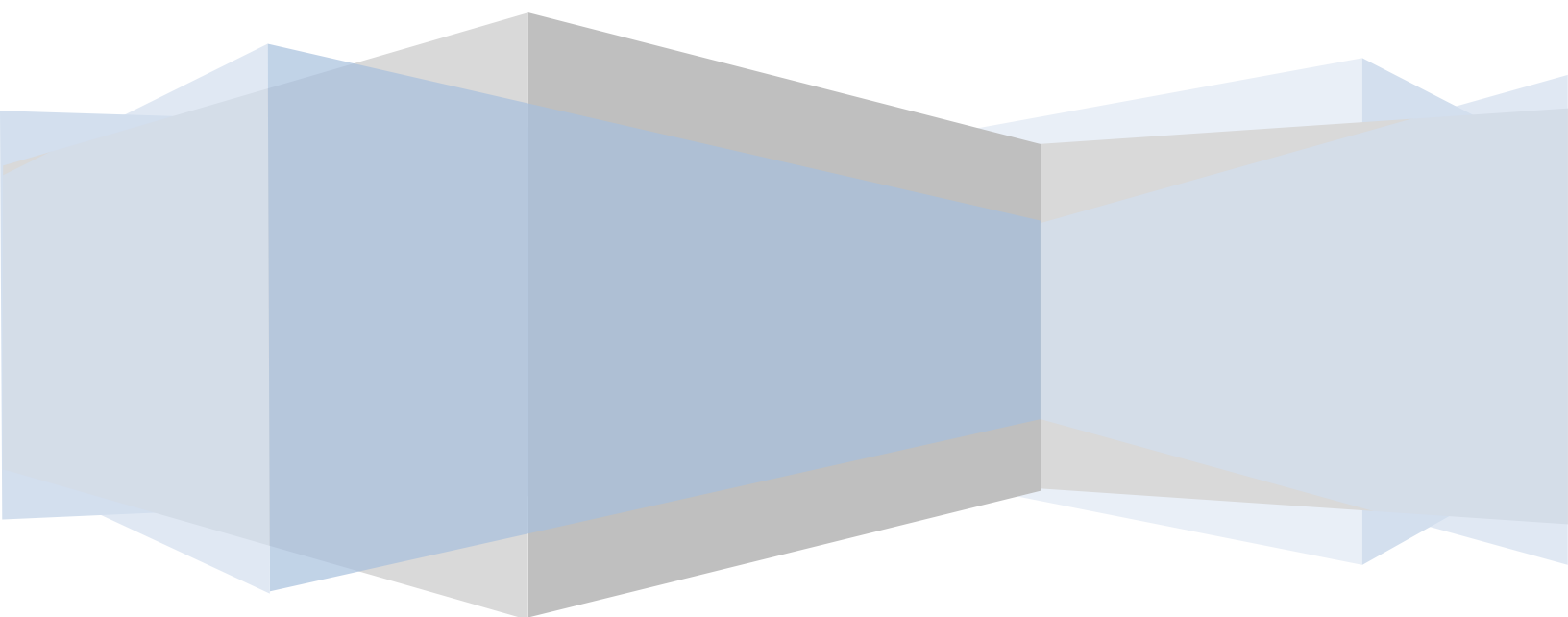


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Overview:

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: Reply_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" or "False". If "False" the error will be displayed with the "error" tag.

All entries marked in **BLUE** below are optional parameters.

Checking credits:

There are 2 methods to check your credits:

- Credits_STR (Returns XML string)
- Credits_DS (Returns Dataset)

Each function accepts 2 parameters:

- Username (String)
- Password (String)

The return object looks like:

```
<api_result>
<data>
<credits>xxxxx</credits>
</data>
<call_result>
<result>True</result>
<error />
</call_result>
</api_result>
```

Your current credit value will be displayed between the “credits” tag.

Sending your data:

To send is relatively easy, however due to the options it can become confusing.

In a nutshell:

If you specify a default then it will only be utilized if the entry data does not exist. If both don't exist then it will throw an error.

There are 5 methods to send your messages:

- Send_DS_DS (Accepts Dataset, returns Dataset)
- Send_STR_DS (Accepts XML string, returns Dataset)
- Send_STR_STR (Accepts (XML string, returns XML String)
- Send_DS_STR (Accepts Dataset, returns XML String)
- Send_ZIP_ZIP (Accepts zipped stream, returns zipped stream)

Each function accepts 3 parameters

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

The XML object looks like:

```
<senddata>
<settings>
<live>True</live>
<return_credits>True</return_credits>
<return_msgs_success_count>True</return_msgs_success_count>
<return_msgs_failed_count>True</return_msgs_failed_count>
<return_entries_success_status>True</return_entries_success_status>
<return_entries_failed_status>True</return_entries_failed_status>
<default_senderid />
<default_date>04/Mar/2009</default_date>
<default_time>11:15</default_time>
<default_curdate>04/Mar/2009</default_curdate>
<default_curttime>11:15</default_curttime>
<default_data1>This is a default msg</default_data1>
<default_data2 />
<default_flash>False</default_flash>
<default_type>SMS</default_type>
<default_costcentre>NA</default_costcentre>
```

```
<default_validityperiod>0</default_validityperiod>
</settings>
<entries>
<numto>0832297941</numto>
<customerid>UnqieValue1</customerid>
<senderid>Test me</senderid>
<time>11:15</time>
<data1>This is a test message 1!</data1>
<data2 />
<flash>False</flash>
<type>SMS</type>
<costcentre>NA</costcentre>
<validityperiod>0</validityperiod>
</entries>
<entries>
<numto>0832297941</numto>
<customerid>UnqieValue1</customerid>
<senderid>Test me</senderid>
<time>11:15</time>
<data1 />
<data2 />
<flash>False</flash>
<type>SMS</type>
<costcentre>NA</costcentre>
<validityperiod>0</validityperiod>
</entries>
<entries>
<numto>0832297941</numto>
<customerid>c60f9f17-e308-4ae1-87ca-0bb36691c75f</customerid>
<senderid>Test me</senderid>
<time>11:15</time>
<data1>James Pearce</data1>
<data2>083 229 7941</data2>
<flash>False</flash>
<type>VCARD</type>
<costcentre>NA</costcentre>
<validityperiod>0</validityperiod>
</entries>
<entries>
<numto>0832297941</numto>
<customerid>5d488bc7-0fb1-4476-af3d-46dcf867c02f</customerid>
<senderid>Test me</senderid>
```

```

<time>11:15</time>
<data1>Click here for MyMobileAPI</data1>
<data2>http://www.mymobileapi.com</data2>
<flash>False</flash>
<type>WPUSH</type>
<costcentre>NA</costcentre>
<validityperiod>0</validityperiod>
</entries>
</senddata>

```

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

The following determines how the result is formatted as well as defines the defaults.

XML tag	Description	Default	Mandatory
live	If Live = false then it will return the result but won't send the data. It won't appear in your sent report.	True	NO
return_credits	If True then the current Credits count will be returned.	False	NO
return_msgs_success_count	If True then the total success data count will appear in the result.	False	NO
return_entries_failed_status	If True then the total failed data count will appear in the result.	False	NO
return_entries_success_status	If True then the data that is accepted will be returned in the result.	False	NO
return_entries_failed_status	If True then the data that is rejected will be returned in the result.	False	NO
default_senderid	This is the default setting for the call but can be overridden by the individual entries. Only certain accounts can alter this.	Repliable	NO
default_date	This is the date the messages must be sent out. Format is dd/MMM/yyyy eg: 13/apr/2009	-	YES
default_time	This is the time the messages must be sent out. Format is HH:mm eg: 17:34	-	YES
default_curdate	This is the current time on your server. It is used to determine when your messages should go out. If not used then the server time is used.	Server date	NO
default_curtime	This is the current time on your server. It is used to determine when your messages should go out. If not used then the server time is used.	Server time	NO
default_data1	This is the default setting for the call but can be	""	NO

	overridden by the individual entries.		
default_data2	This is the default setting for the call but can be overridden by the individual entries.	""	NO
default_flash	This is the default setting for the call but can be overridden by the individual entries.	False	NO
default_type	This is the default setting for the call but can be overridden by the individual entries. Values can be SMS / VCARD / WPUSH / PORT	SMS	NO
default_costcentre	Will be used in future.	""	NO
mo_forwardemail	All incoming replies will be forwarded to this email address	""	NO
default_validityperiod	The amount of time in hours an SMS should remain valid. The network will continue to try to deliver the SMS over the validity period.	-	NO

For each Entry in the XML you require the following can be utilized.

XML tag	Description	Default	Mandatory
numto	The number the message must go to	-	YES
customerid	The customerID is a field that is populated that has meaning to your system. This field can be returned in the result sets and can make updating data very easy. We suggest using a GUID or Identity key.	-	YES
senderid	The senderid can be altered (this is the number the message is received from). Only certain accounts allow this feature.	-	NO
time	The time the message must be delivered. This is joined with the default_date. See default_time for formatting.	-	NO
data1	This is data that will be sent	""	NO
data2	This may be required depending on the TYPE of message you wish to send	""	NO
flash	IF set to TRUE the message will display immediately on the users screen. It however does not get stored in the users inbox.	FALSE	NO
type	This is the default setting for the call but can be overridden by the individual entries. Values can be SMS / VCARD / WPUSH / PORT	SMS	NO
costcentre	Will be used in future.	""	NO
validityperiod	The amount of time in hours an SMS should remain valid. The network will continue to try to deliver the SMS over the validity period. This value will override the 'default_validityperiod' setting.	-	NO

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

```

<api_result>
<entries_failed>
<numto />
<customerid />
<reason>numto invalid</reason>
</entries_failed>
<entries_success>
<numto>27832297941</numto>
<customerid>UnqieValue1</customerid>
</entries_success>
<entries_success>
<numto>27832297941</numto>
<customerid>UnqieValue1</customerid>
</entries_success>
<entries_success>
<numto>27832297941</numto>
<customerid>d47e1efd-5e4f-4832-ba7f-07f35d8c10f9</customerid>
</entries_success>
<send_info>
<eventid>27105067</eventid>
<credits>39763</credits>
<msgs_success>3</msgs_success>
<msgs_failed>1</msgs_failed>
</send_info>
<call_result>
<result>True</result>
<error />
</call_result>
</api_result>

```

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

XML tag	Description
entries_failed	<p>If this tag exists then some of the data you pushed has errors. If will contain: “numto”, “customerid” and “reason”. The reason will be</p> <ul style="list-style-type: none"> • numto invalid • senderid invalid • time invalid

	<ul style="list-style-type: none"> • flash invalid • costcentre invalid • type invalid • data1 invalid • data2 invalid • data1 + data2 invalid
entries_success	If this tag exists then it will contain "numto" and "customerid".
send_info	<p>This describes the overall data returned. It WILL consist of "eventid" and COULD have "credits" and "msgs_success" and "msgs_failed".</p> <ul style="list-style-type: none"> • Credits = credits remaining in account • Msgs_success = a count of the messages accepted for deliverd • Msgs_failed = a count of the messages rejected

[Sending your data to a group online:](#)

To send to a group online you are required to pass in the GROUPLD for the specific group you wish to target. This can be attained from a function within the API.

There are 4 methods to send your messages:

- Send_DS_DS (Accepts Dataset, returns Dataset)
- Send_STR_DS (Accepts XML string, returns Dataset)
- Send_STR_STR (Accepts (XML string, returns XML String)
- Send_DS_STR (Accepts Dataset, returns XML String)
- Send_ZIP_ZIP (Accepts zipped stream, returns zipped stream)

Each function accepts 3 parameters

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

The XML object looks like:

```
<senddata>
  <settings>
    <live>True</live>
    <return_credits>True</return_credits>
    <return_msgs_success_count>True</return_msgs_success_count>
    <return_msgs_failed_count>True</return_msgs_failed_count>
    <return_entries_success_status>True</return_entries_success_status>
    <return_entries_failed_status>True</return_entries_failed_status>
    <default_senderid />
    <default_date>04/Mar/2009</default_date>
    <default_time>11:15</default_time>
    <default_curdate>04/Mar/2009</default_curdate>
    <default_curttime>11:15</default_curttime>
    <default_data1>This is a default msg</default_data1>
    <default_data2 />
    <default_flash>False</default_flash>
    <default_type>SMS</default_type>
    <default_costcentre>NA</default_costcentre>
    <default_validityperiod>0</default_validityperiod>
    <default_groupid>NA</default_groupid>
```

</settings>
</senddata>

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

The following determines how the result is formatted as well as defines the defaults.

XML tag	Description	Default	Mandatory
live	If Live = false then it will return the result but won't send the data. It won't appear in your sent report.	True	NO
return_credits	If True then the current Credits count will be returned.	False	NO
return_msgs_success_count	If True then the total success data count will appear in the result.	False	NO
return_entries_failed_status	If True then the total failed data count will appear in the result.	False	NO
return_entries_success_status	If True then the data that is accepted will be returned in the result.	False	NO
return_entries_failed_status	If True then the data that is rejected will be returned in the result.	False	NO
default_senderid	This is the default setting for the call but can be overridden by the individual entries. Only certain accounts can alter this.	Repliable	NO
default_date	This is the date the messages must be sent out. Format is dd/MMM/yyyy eg: 13/apr/2009	-	YES
default_time	This is the time the messages must be sent out. Format is HH:mm eg: 17:34	-	YES
default_curdate	This is the current time on your server. It is used to determine when your messages should go out. If not used then the server time is used.	Server date	NO
default_curtime	This is the current time on your server. It is used to determine when your messages should go out. If not used then the server time is used.	Server time	NO
default_data1	This is the default setting for the call but can be overridden by the individual entries.	""	NO
default_data2	This is the default setting for the call but can be overridden by the individual entries.	""	NO
default_flash	This is the default setting for the call but can be overridden by the individual entries.	False	NO
default_type	This is the default setting for the call but can be overridden by the individual entries. Values can be SMS / VCARD / WPPUSH / PORT	SMS	NO

default_costcentre	Will be used in future.	""	NO
mo_forwardemail	All incoming replies will be forwarded to this email address	""	NO
default_validityperiod	The amount of time in hours an SMS should remain valid. The network will continue to try to deliver the SMS over the validity period.	-	NO
default_groupid	The groupid you wish to sent to	0	YES

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

```

<api_result>
<entries_failed>
<numto />
<customerid />
<reason>numto invalid</reason>
</entries_failed>
<entries_success>
<numto>27832297941</numto>
<customerid> </customerid>
</entries_success>
<entries_success>
<numto>27832297941</numto>
<customerid> </customerid>
</entries_success>
<entries_success>
<numto>27832297941</numto>
<customerid> </customerid>
</entries_success>
<send_info>
<eventid>27105067</eventid>
<credits>39763</credits>
<msgs_success>3</msgs_success>
<msgs_failed>1</msgs_failed>
</send_info>
<call_result>
<result>True</result>
<error />
</call_result>
</api_result>

```

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

XML tag	Description
entries_failed	<p>If this tag exists then some of the data you pushed has errors. If will contain: "numto", "customerid" and "reason". The reason will be</p> <ul style="list-style-type: none"> • numto invalid • senderid invalid • time invalid • flash invalid • costcentre invalid • type invalid • data1 invalid • data2 invalid • data1 + data2 invalid
entries_success	<p>If this tag exists then it will contain "numto" and "customerid".</p>
send_info	<p>This describes the overall data returned. It WILL consist of "eventid" and COULD have "credits" and "msgs_success" and "msgs_failed".</p> <ul style="list-style-type: none"> • Credits = credits remaining in account • Msgs_success = a count of the messages accepted for deliverd • Msgs_failed = a count of the messages rejected

Due to the input you cannot specify a CustomerID per number if sending to a group the CustomerID will be blank.

Retrieving sent data (Overview):

The SMS Gateway is designed to allow easy retrieval of your sent items.

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 a message status is received from the corresponding network a new record is written to the API and hence the ChangeID will increment by 1. Messages will not be retrieved via the API that do not have any status changes.

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 API_Sent_Table where changeid > @ID order by changeid asc”
```

Some tips:

Start with id (changeid) = 0

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

Only pull back data you require using the “cols_returned” element, this will reduce bandwidth

Retrieving sent data (Dataset and XML):

Getting sent data from the system:

There are 4 methods to retrieve sent items:

- Sent_DS_DS (Accepts Dataset, returns Dataset)
- Sent_STR_DS (Accepts XML string, returns Dataset)
- Sent_STR_STR (Accepts XML string, returns XML string)
- Sent_DS_STR (Accepts Dataset, returns XML string)
- Sent_ZIP_ZIP (Accepts zipped stream, returns zipped stream)

Each function accepts 3 parameters

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

The XML object looks like:

```
<sent>
<settings>
<id>0</id>
<max_recs></max_recs>
<cols_returned> </cols_returned>
<date_format>yyyyMMddHHmmss</date_format>
</settings>
</sent>
```

XML tag	Description	Default	Mandatory
Id	The max CHANGEID from the previous call. Start with "0"	-	YES
Max_recs	The number of records returned from the call. Values 1 to 100	100	NO
Cols_Returned	The xml tags returned in the result. Options are : sentid,eventid,smstype,numto,data,flash,customerid,status,statusdate. Each entry must be separated with a comma.	ChangeID	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>
<changeid></changeid>
<sentid></sentid>
<eventid></eventid>
<smstype> </smstype>
<numto></numto>
<data></data>
<flash> </flash>
<customerid> </customerid>
<status> </status>
<statusdate></statusdate>
</data>
<call_result>
<result></result>
<error />
</call_result>
</api_result>

```

XML tag	Description
changeid	A unique ID identifying the change in a message status
SentID	A unique value for each message. You could receive the same SentID back if the message status changes.
eventid	When sending an eventid is generated and returned in the result xml. This eventid can be for 1 or "infinity" message entries.
smstype	This is the type of message sent. Options are "SMS", "VCARD", "WPUSH" or "PORT"
numto	The number the message was sent to
data	The data sent to the user
flash	If the message was a flash message
customerid	The customerid for the message when the data was sent

status	The message status. Options are "DELIVRD", "UNDELIV", "UNKNOWN"
statusdate	The date and time the message was sent

Retrieving replies (Overview):

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

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 “ReplyID” 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 ReplyID will increment by 1.

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

```
“Select top 100 * from API_Reply_Table where replyid > @ID order by replyid asc”
```

Some tips:

Start with id (replyid) = 0

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

Only pull back data you require using the “cols_returned” element, this will reduce bandwidth

Retrieving replies (Dataset and XML):

There are 4 methods to retrieve the replies:

- Reply_DS_DS (Accepts Dataset, returns Dataset)
- Reply_STR_DS (Accepts XML string, returns Dataset)
- Reply_STR_STR (Accepts XML string, returns XML String)
- Reply_DS_STR (Accepts Dataset, returns XML String)
- Reply_ZIP_ZIP (Accepts zipped stream, returns zipped stream)

Each function accepts 3 parameters

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

The XML object looks like:

```
<reply>
<settings>
<id></id>
<max_recs></max_recs>
<cols_returned> </cols_returned>
<date_format> </date_format>
</settings>
</reply>
```

XML tag	Description	Default	Mandatory
Id	The max REPLYID from the previous call	-	YES
Max_recs	The number of records returned from the call. Values 1 to 100	100	NO
Cols_Returned	The xml tags returned in the result. Options are : eventid,numfrom,receiveddata,received,sentid,se ntdata,sentdatetime,sentcustomerid. Each entry must be seperated with a comma.	Replyid	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>
<replyid></replyid>
<eventid></eventid>
<numfrom></numfrom>
<receiveddata> 123</receiveddata>
<sentid></sentid>
<sentdata> </sentdata>
<sentcustomerid />
<received></received>
<sentdatetime></sentdatetime>
</data>
<call_result>
<result> </result>
<error />
</call_result>
</api_result>

```

XML tag	Description
replyid	The max unique REPLYID for each incoming message
Eventid	When sending an eventid is generated and returned in the result xml. This eventid can be for 1 or “infinity” message entries.
Numfrom	The number of the user that sent the incoming message
receiveddata	The data that the user returned
Sentid	The unique sentid for the outgoing message
Sentdata	The data sent to the user
Sentcustomerid	The customerid for the message when the data was sent
received	The date and time the message was received
sentdatetime	The date and time the message was sent

Getting your groups:

There are 4 methods to retrieve your groups:

- Groups_List_DS_DS (Accepts Dataset, returns Dataset)
- Groups_List_STR_DS (Accepts XML string, returns Dataset)
- Groups_List_STR_STR (Accepts XML string, returns XML string)
- Groups_List_DS_STR (Accepts Dataset, returns XML string)

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 : groupname,groupdesc,groupcreated. Each entry must be seperated with a comma.	Groupid	YES
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>
<replyid></replyid>
<groupid>118093</groupid>
<groupname>the name of your group</groupname>
<groupdesc>the desc of your group</groupdesc>
```

```
<groupcreated>13/Apr/2009 13:00:05</groupcreated>
</data>
<call_result>
<result> </result>
<error />
</call_result>
</api_result>
```

XML tag	Description
groupid	A unique GROUPID for each group in the system
Groupname	The name of your group
Groupdesc	The description you gave your group
groupcreated	When the group was created

Retreiving your Short Code Counts:

There are 4 methods to retrieve the number of messages sent to your short codes.

- ShortCodeCount_DS_DS (Accepts Dataset, returns Dataset)
- ShortCodeCount_STR_DS (Accepts XML string, returns Dataset)
- ShortCodeCount_STR_STR (Accepts XML string, returns XML string)
- ShortCodeCount_DS_STR (Accepts Dataset, returns XML string)

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>
<start_date>01/Oct/2011</start_date>
<end_date>10/Oct/2011</end_date>
</settings>
<shortcodes>
<shortcode>XXXXX</shortcode>
</shortcodes>
<shortcodes>
<shortcode>YYYYY</shortcode>
</shortcodes>
</options>
```

XML tag	Description	Default	Mandatory
start_date	The start date of the query period. Start_date can be set up to 12 months in the past.	-	YES
end_date	The end date of the query period. The start_date and end_date must be between 1 and 31 days.	-	YES
shortcodes	The collection of short codes. If omitted, will return all short codes assigned to you with totals for the period.	-	NO
shortcode	A short code number.	-	NO

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

```
<api_result>
<data>
<shortcode>XXXXX</shortcode>
<count>200</count>
</data>
<data>
<shortcode>YYYYY</shortcode>
<count>45</count>
</data>
<call_result>
<result>True</result>
<error />
</call_result>
</api_result>
```

XML tag	Description
shortcode	Your short code you received messages on.
count	The total count associated to the short code for the period.