



TextPower

Alert and authenticate using text messaging

TECHNICAL DOCUMENTATION FOR:

Trace Examples

TextPower, Inc.

www.TextPower.com

[Twitter.com/TextPower](https://twitter.com/TextPower)

Support@TextPower.com

888-818-1808

Proprietary & Confidential Information

Copyright © 2017



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

Due to many requests for SOAP trace information, some common examples are presented here. This information should only be necessary with applications that intend to build the SOAP interface completely or partially by hand. It is recommended that you use a .NET or Java development tool to build your SOAP interface from the WSDL document.

PHP developers can use the NuSOAP package. We recognize however that complex data type support in PHP is less than ideal at present. The examples in this document should allow the correct building of complex data types for PHP developers.

The information is represented as side by side input/output examples. All userids, passwords, cell numbers, etc. are fictional and cannot be used to create a working service. You must use valid credentials and numbers to get a working service. Indentations and formatting are provided for clarity in reading the examples. They are not necessary in the actual SOAP XML. Directions referenced are relative to the server. Thus SOAP Input is sent to the server and SOAP output comes from the server. The direction sense for a client application is, of course, the opposite. Not all functions have examples presented. The functions provided serve only to illustrate the 4 basic types of TextPower SOAP function calls and the SOAP exception return. This example data should be used with the actual manual pages for the functions.

Table of Contents

Table of Contents	1
SendSMSFull	2
GetCounts	3
GetMOData.....	4
MergeSendList.....	8
SOAP Exception	10



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

SendSMSFull

Note in this example of using the SendSMSFull function the proper encoding of meta characters in the SOAP XML. SendSMS is identical except that most of the parameters can be omitted. This example illustrates the most common interface of simple type input parameters and an XML Node output.

SOAP Input	SOAP Output
<pre><?xml version="1.0" encoding="utf-8"?> <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <soap:Header> <MessageValidationInfo xmlns="http://www.textpower.com/services/"> <UID>myUserID</UID> <PWD>myPassword</PWD> <Campaign>sw-85700</Campaign> <Keyword /></MessageValidationInfo> </soap:Header><soap:Body> <SendSMSFull xmlns="http://www.textpower.com/services/"> <CellNumber>6305550145</CellNumber> <msg>Test Message</msg> <Carrier /> <Tariff>0</Tariff>< CarrierLookup>>false</CarrierLookup> <ForceOptIn>>false</ForceOptIn> <DelaySend>>false</DelaySend> <SendTime>2012-08-07T11:58:59.4068239-05:00</SendTime> <Queued>>false</Queued> </SendSMSFull> </soap:Body> </soap:Envelope></pre>	<pre><?xml version="1.0" encoding="utf-8"?> <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <soap:Body> <SendSMSFullResponse xmlns="http://www.textpower.com/services/"> <SendSMSFullResult><SMSImmediate xmlns=""> <Customer>@TPI Admin</Customer> <MessageStatus> <TimeStamp>8/7/2012 4:59:03 PM</TimeStamp> <SendResult SeqNum="0"> <MessageID>20630856</MessageID> <CellNumber>6305550145</CellNumber> <Status>Sent</Status> </SendResult> </MessageStatus> </SMSImmediate> </SendSMSFullResult> </SendSMSFullResponse> </soap:Body> </soap:Envelope></pre>



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

GetCounts

The GetCounts interface illustrates the even simpler case of a function with no inputs returning an XML Node output.

SOAP Input	SOAP Output
<pre><?xml version="1.0" encoding="utf-8"?> <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <soap:Header> <MessageValidationInfo xmlns="http://www.textpower.com/services/"> <UID>myUserID</UID> <PWD>myPassword</PWD> <Campaign>sw-85700</Campaign> <Keyword /> </MessageValidationInfo> </soap:Header> <soap:Body> <GetCounts xmlns="http://www.textpower.com/services/" /> </soap:Body> </soap:Envelope></pre>	<pre><?xml version="1.0" encoding="utf-8"?> <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <soap:Body> <GetCountsResponse xmlns="http://www.textpower.com/services/"> <GetCountsResult> <AccountStats xmlns=""> <Clients Count="0" /> </AccountStats> </GetCountsResult> </GetCountsResponse> </soap:Body> </soap:Envelope></pre>



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

GetMOData

GetMOData illustrates a function that accepts simple type inputs and provides a dataset as an output. The dataset returned has 7 rows and each row has 5 columns. Note the encoding of the DateReceived column which is of format dateTime.

SOAP Input	SOAP Output
<pre><soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <soap:Header> <MessageValidationInfo xmlns="http://www.textpower.com/services/"> <UID>demo</UID> <PWD>demo789</PWD> <Campaign>big al</Campaign> <Keyword /> </MessageValidationInfo> </soap:Header> <soap:Body> <GetMOData xmlns="http://www.textpower.com/services/"> <LastReceiveID>0</LastReceiveID> </GetMOData> </soap:Body> </soap:Envelope></pre>	<pre><soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <soap:Body> <GetMODataResponse xmlns="http://www.textpower.com/services/"> <GetMODataResult> <xs:schema id="NewDataSet" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"> <xs:element name="NewDataSet" msdata:IsDataSet="true" msdata:UseCurrentLocale="true"> <xs:complexType> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="Table"> <xs:complexType> <xs:sequence> <xs:element name="ReceiveID" type="xs:int" minOccurs="0" /> <xs:element name="CellNumber" type="xs:string" minOccurs="0" /> <xs:element name="Keyword" type="xs:string" minOccurs="0" /> <xs:element name="Message" type="xs:string" minOccurs="0" /> <xs:element name="Carrier" type="xs:string" minOccurs="0" /></pre>



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

```
<xs:element name="DateReceived" type="xs:dateTime"
minOccurs="0" />
</xs:sequence>
</xs:complexType></xs:complexType>
  </xs:element>
  </xs:choice>
</xs:complexType>
</xs:element>
</xs:schema>
<diffgr:diffgram xmlns:msdata="urn:schemas-microsoft-
com:xml-msdata" xmlns:diffgr="urn:schemas-microsoft-
com:xml-diffgram-v1">
<NewDataSet xmlns="">
  <Table diffgr:id="Table1" msdata:rowOrder="0">
    <ReceiveID>274</ReceiveID>
    <CellNumber>6304011114</CellNumber>
    <Keyword>bigal</Keyword>
    <Message>bigal test 5</Message>
    <Carrier>31004</Carrier>
    <DateReceived>2008-03-09T10:03:32.02-
05:00</DateReceived>
  </Table>
  <Table diffgr:id="Table2" msdata:rowOrder="1">
    <ReceiveID>272</ReceiveID>
    <CellNumber>6304011113</CellNumber>
    <Keyword>bigal</Keyword>
    <Message>bigal test 3</Message>
    <Carrier>31004</Carrier>
    <DateReceived>2008-03-09T10:02:23.77-
05:00</DateReceived>
  </Table>
  <Table diffgr:id="Table3" msdata:rowOrder="2">
    <ReceiveID>270</ReceiveID>
    <CellNumber>6304011112</CellNumber>
    <Keyword>bigal</Keyword>
```



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

	<pre><Message>bigal test 2</Message> <Carrier>31004</Carrier> <DateReceived>2008-03-09T10:01:11.927- 05:00</DateReceived> </Table> <Table diffgr:id="Table4" msdata:rowOrder="3"> <ReceiveID>267</ReceiveID> <CellNumber>6304011111</CellNumber> <Keyword>bigal</Keyword> <Message>bigal test 1</Message> <Carrier>31004</Carrier> <DateReceived>2008-03-09T09:59:40.517- 05:00</DateReceived> </Table> <Table diffgr:id="Table5" msdata:rowOrder="4"> <ReceiveID>234</ReceiveID> <CellNumber>6804015555</CellNumber> <Keyword>bigal</Keyword> <Message>bigal This is the whole Message</Message> <Carrier>31004</Carrier> <DateReceived>2008-02-28T09:44:53.417- 06:00</DateReceived> </Table> <Table diffgr:id="Table6" msdata:rowOrder="5"> <ReceiveID>231</ReceiveID> <CellNumber>6804015555</CellNumber> <Keyword>bigal</Keyword> <Message>2345</Message> <Carrier>31004</Carrier> <DateReceived>2008-02-28T09:39:04.123- 06:00</DateReceived> </Table> <Table diffgr:id="Table7" msdata:rowOrder="6"> <ReceiveID>229</ReceiveID> <CellNumber>6305550145</CellNumber></pre>
--	--



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

```
<Keyword>bigal</Keyword>
<Message>bigal 2345</Message>
<Carrier>31003</Carrier>
<DateReceived>2008-02-28T09:33:12.127-
06:00</DateReceived>
</Table>
</NewDataSet>
</diffgr:diffgram>
</GetMODataResult>
</GetMODataResponse>
</soap:Body>
</soap:Envelope>
```




TextPower

Alert and authenticate using text messaging

SOAP Trace Information

MergeSendList

This example shows a function with both simple and complex input types, in this case a dataset, and returning an XML Node type. The input provides 2 rows of 3 columns each. Each column is of type string.

SOAP Input	SOAP Output
<pre><soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <soap:Header> <MessageValidationInfo xmlns="http://www.textpower.com/services/"> <UID>demo</UID> <PWD>demo789</PWD> <Campaign>big al</Campaign> <Keyword /> </MessageValidationInfo> </soap:Header> <soap:Body> <MergeSendList xmlns="http://www.textpower.com/services/"> <ListName>Temp-5</ListName> <ListDB> <xs:schema id="NewDataSet" xmlns="" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:msdata="urn:schemas-microsoft-com:xml-msdata"> <xs:element name="NewDataSet" msdata:IsDataSet="true" msdata:UseCurrentLocale="true"> <xs:complexType> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="Table"> <xs:complexType> <xs:sequence></pre>	<pre><soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <soap:Body> <MergeSendListResponse xmlns="http://www.textpower.com/services/"> <MergeSendListResult> <SendListMerge xmlns=""> <NumbersSupplied>2</NumbersSupplied> <NumbersAdded>2</NumbersAdded> <NumbersUpdated>0</NumbersUpdated> </SendListMerge> </MergeSendListResult> </MergeSendListResponse> </soap:Body> </soap:Envelope></pre>



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

```
                <xs:element name="CellNumber"
type="xs:string" minOccurs="0" />
                <xs:element name="Carrier"
type="xs:string" minOccurs="0" />
                <xs:element
name="SubscriberName" type="xs:string" minOccurs="0" />
            </xs:sequence>
        </xs:complexType>
    </xs:element>
</xs:choice>
</xs:complexType>
</xs:element>
</xs:schema>
    <diffgr:diffgram xmlns:msdata="urn:schemas-
microsoft-com:xml-msdata" xmlns:diffgr="urn:schemas-
microsoft-com:xml-diffgram-v1">
        <NewDataSet xmlns="">
            <Table diffgr:id="Table1"
msdata:rowOrder="0">
                <CellNumber>6316946155</CellNumber>
                <Carrier>31002</Carrier>
            </Table>
            <Table diffgr:id="Table2"
msdata:rowOrder="1">
                <CellNumber>7778881234</CellNumber>
                <Carrier>31003</Carrier>
            </Table>
        </NewDataSet>
    </diffgr:diffgram>
</ListDB>
<CreateList>>false</CreateList>
</MergeSendList>
</soap:Body>
</soap:Envelope>
```



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

SOAP Exception

This is an example of a return for a SOAP exception. In this case the exception is for an invalid password on a.GetMODData call which returns a dataset. Remember that functions that return a dataset also return an exception if the credentials are incorrect. The faultstring element has been also shown at the bottom of the table to prevent cutoffs of information in the table format.

SOAP Input	SOAP Output
<pre><soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <soap:Header> <MessageValidationInfo xmlns="http://www.nbroadcasting.com/NMSIServices/"> <UID>demo</UID> <PWD>demo78</PWD> <Campaign>big al</Campaign> <Keyword /> </MessageValidationInfo> </soap:Header> <soap:Body> <GetMODData xmlns="http://www.nbroadcasting.com/NMSIServices/"> <Count>10</Count> <LastReceiveID>0</LastReceiveID> </GetMODData> </soap:Body> </soap:Envelope></pre>	<pre><soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss 1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-20 utility-1.0.xsd"> <soap:Header> <wsa:Action>http://schemas.xmlsoap.org/ws/2004/08/address <wsa:MessageID>urn:uuid:e5a9de52-d821-4224-adce-71f5a492b <wsa:RelatesTo>urn:uuid:bdaaf68b-95d4-4ab3-a3e6-49a61dc9e <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/ <wsse:Security> <wsu:Timestamp wsu:Id="Timestamp-77ad3643-09aa-4769-815 <wsu:Created>2008-04-12T21:38:05Z</wsu:Created> <wsu:Expires>2008-04-12T21:43:05Z</wsu:Expires> </wsu:Timestamp> </wsse:Security> </soap:Header> <soap:Body> <soap:Fault> <faultcode>soap:Server</faultcode> <faultstring>System.Web.Services.Protocols.SoapException: Error-1: at CLIB.ThrowSOAPException(Int32 ErrCode, Exception err, SqlConnection String ErrorType, String StrMessage) in C:\Inetpub\wwwroot\NMSIIVR\Services\App_Code\Subs.vb:line 32</pre>



TextPower

Alert and authenticate using text messaging

SOAP Trace Information

```
at NMSIAdvancedServices.GetMODData(Int32 Count, Int32 LastReceiveID) in C:\Inetpub\wwwroot\NMSIIVR\Services\App_Code\NMSIAdvancedServices.vb:line 104</faultstring>
  <faultactor>http://www.nbbroadcasting.com</faultactor>
  <detail>
    <Exception>User</Exception>
  </detail>
</soap:Fault>
</soap:Body>
</soap:Envelope>
```

```
<faultstring>System.Web.Services.Protocols.SoapException: Error-1: Invalid Password
  at CLIB.ThrowSOAPException(Int32 ErrCode, Exception err, SqlConnection& ThisDB, String ErrorType, String StrMessage) in C:\Inetpub\wwwroot\NMSIIVR\Services\App_Code\Subs.vb:line 32
  at NMSIAdvancedServices.GetMODData(Int32 Count, Int32 LastReceiveID) in C:\Inetpub\wwwroot\NMSIIVR\Services\App_Code\NMSIAdvancedServices.vb:line 104</faultstring>
```