



2sms VB .Net XML Tech Guide

About 2sms

2sms allows business customers to send text messages from your computer to cell phones anywhere in the world. We help customers improve operations, demonstrate duty of care, and react more responsively to customers.

Text messaging reaches more people than email and faster than calling.

- ✓ To learn more - www.2sms.com
- ✓ Want a No cost No obligation trial account? – www.2sms.com/register.aspx
- ✓ For technical information - www.2sms.com/software.aspx



For Help, call 2sms on 877-276-7266 (USA), 0800 65 222 77 (UK) or +44 1234 757 800 (Rest of World) or email support@2sms.com. Support is available 24/7.

Using VB .Net to Send a Text Message

If you wish to send a single message to a single cell phone, use the following VB .Net code to form up your XML.

```
Public Class Message
```

```
Dim postURL As String = "http://www.2sms.com/xml/xml.jsp"
```

```
Dim username As String
```

```
Dim password As String
```

```
Sub Message()
```

```
End Sub
```

```
Sub Message(ByVal username As String, ByVal password As String)
```

```
Me.username = username
```

```
Me.password = password
```

```
End Sub
```

```
Function sendMessage(ByVal destination As String, ByVal messageText As String)
```



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```

    Dim xmlDoc As String = formXml(Me.username, Me.password, destination,
messageText)
    Return sendXml(xmlDoc)
End Function

```

```

Function sendMessage(ByVal username As String, ByVal password As String, ByVal
destination As String, ByVal messageText As String) As String
    Dim xmlDoc As String = formXml(username, password, destination, messageText)
    Return sendXml(xmlDoc)
End Function

```

```

Function formXml(ByVal username As String, ByVal password As String, ByVal destination
As String, ByVal messageText As String) As String
    ' create xml string
    Dim xmlString As String = "<?xml version=" & Chr(34) & "1.0" & Chr(34) & "
encoding=" & Chr(34) & "UTF-8" & Chr(34) & " ?>" & _
    "<Request xmlns:xsi=" & Chr(34) & "http://www.w3.org/2001/XMLSchema-instance" &
Chr(34) & " xsi:noNamespaceSchemaLocation=" & Chr(34) &
"http://schema.2sms.com/1.0/0410_RequestSendMessage.xsd" & Chr(34) & " Version=" &
Chr(34) & "1.0" & Chr(34) & ">" & _
    "<Identification>" & _
    "    <UserID>" & username & "</UserID>" & _
    "    <Password>" & password & "</Password>" & _
    "</Identification>" & _
    "<Service>" & _
    "    <ServiceName>SendMessage</ServiceName>" & _
    "<ServiceDetail>" & _
    "    <SingleMessage>" & _
    "        <Destination>" + destination + "</Destination>" & _
    "        <Text>" + messageText + "</Text>" & _
    "    </SingleMessage>" & _
    "</ServiceDetail>" & _
    "</Service>" & _
    "</Request>"

```

```

    Return xmlString
End Function

```

```

Function sendXml(ByVal xmlDoc As String) As String
    Dim resultText As String
    Dim request As HttpWebRequest

```

```

    request = CType(HttpWebRequest.Create(postURL), HttpWebRequest)
    request.Method = "POST"

```

```

    Dim writer As StreamWriter = New StreamWriter(request.GetRequestStream())
    writer.Write(xmlDoc)
    writer.Flush()
    writer.Close()

```

```

    Try
        Dim reader As XmlTextReader = New
XmlTextReader(request.GetResponse().GetResponseStream())
        Do While (reader.Read())
            If (reader.NodeType = XmlNodeType.Element) Then
                If (reader.Name = "Error") Then
                    Dim errorCode As String
                    Dim errorReason As String
                    Do While (Not (reader.Name = "Error" And reader.NodeType =
XmlNodeType.Element))
                        reader.Read()
                    If (reader.NodeType = XmlNodeType.Element) Then

```

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```

        If (reader.Name = "ErrorCode") Then
            reader.Read()
            errorCode = reader.Value
        ElseIf (reader.Name = "ErrorReason") Then
            reader.Read()
            errorReason = reader.Value
        End If
    End If
Loop
If (Not errorCode = "00") Then
    resultText = reader.Value
End If
ElseIf (reader.Name = "Result") Then
    reader.Read()
    resultText = reader.Value
End If
End If
Loop
Catch
    resultText = "An error occurred"
End Try

Return resultText
End Function

Sub setUsername(ByVal username As String)

    Me.username = username
End Sub

Sub setPassword(ByVal password As String)

    Me.password = password
End Sub
End Class

```

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2sms XML Services

2sms supports a range xml services, including sending messages, running reports, and managing your address book held on your 2sms account. Please read http://www.2sms.com/documents/US/Software/2sms_US_Software_XML_Overview.pdf for more information.

You can modify the Python code listed in this document to send XML to access any of the supported xml services, whose details are listed at <http://schema.2sms.com>.

If you prefer to work with SOAP, please read http://www.2sms.com/documents/US/Software/2sms_US_Software_XML_Overview.pdf

If you prefer to work with web services, please read http://www.2sms.com/documents/US/Software/2sms_US_Software_Web_Services_Overview.pdf

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