



## 2sms C# 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](http://www.2sms.com)
- ✓ Want a No cost No obligation trial account? – [www.2sms.com/register.aspx](http://www.2sms.com/register.aspx)
- ✓ For technical information - [www.2sms.com/software.aspx](http://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](mailto:support@2sms.com). Support is available 24/7.

### Using C# to Send a Text Message

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

```
private string formXml(string username, string password, string destination, string message)
{
    // create xml string
    string xmlString = "<?xml version=\"1.0\" encoding=\"UTF-8\" ?> " +
"<Request xmlns:xsi=\"http://www.w3.org/2001/XMLSchema-instance\" " +
"xsi:noNamespaceSchemaLocation=\"http://schema.2sms.com/1.0/0410_RequestSendMes" +
"sage.xsd\" Version=\"1.0\">" +
"<Identification>" +
"    <UserID>"+username+"</UserID>" +
"    <Password>"+password+"</Password>" +
"</Identification>" +
"<Service>" +
"    <ServiceName>SendMessage</ServiceName>" +
"    <ServiceDetail>" +
```



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```

        "<SingleMessage>" +
            "<Destination>" + destination + "</Destination>" +
            "<Text>" + message + "</Text>" +
            "</SingleMessage>" +
            "</ServiceDetail>" +
            "</Service>" +
            "</Request>";

return xmlString;
}

private string sendXml(string xmlDoc)
{
    string resultText = String.Empty;
    HttpWebRequest request = (HttpWebRequest)HttpWebRequest.Create(postURL);
    request.Method = "POST";
    // uncomment if appropriate to route web request through proxy
    //request.Proxy.Credentials = new NetworkCredential("username", "password");
    //request.Proxy.Credentials = new NetworkCredential("username", "password",
    "domain");

    StreamWriter writer = new StreamWriter(request.GetRequestStream());
    writer.Write(xmlDoc);
    writer.Flush();
    writer.Close();

    try
    {
        XmlTextReader reader = new
        XmlTextReader(request.GetResponse().GetResponseStream());
        while (reader.Read())
        {
            if (reader.NodeType == XmlNodeType.Element)
            {
                switch (reader.Name)
                {
                    case "Error":
                        string errorCode = String.Empty;
                        string errorReason = String.Empty;
                        while (!(reader.Name == "Error" && reader.NodeType == XmlNodeType.EndElement))
                        {
                            reader.Read();
                            if (reader.NodeType == XmlNodeType.Element)
                            {
                                switch (reader.Name)
                                {
                                    case "ErrorCode":
                                        reader.Read(); // this should take us to the text node
                                        errorCode = reader.Value;
                                        break;
                                    case "ErrorReason":
                                        reader.Read();
                                        errorReason = reader.Value;
                                        break;
                                }
                            }
                        }
                    }
                }
            }
            if (errorCode != "00")
            { // if the error code did not signify an OK status ...
                resultText = errorReason;
            }
        }
    }
}

```

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```
        break;
        case "Result":
            reader.Read();
            resultText = reader.Value;
            break;
    }
}
}
}
}
catch (Exception e)
{ // log the exception
    resultText = "An error occurred";
}
return resultText;
}
```



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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](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](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](http://www.2sms.com/documents/US/Software/2sms_US_Software_Web_Services_Overview.pdf)

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