



2sms Java 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 Java to Send a Text Message

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

```
public class SMSJAVA {
    public static void main( String[] argv )
    {
        if (argv.length != 5)
        {
            System.out.println("Usage :");
            System.out.println("SMSJAVA <userid> <password> <destination> <guid>
\"<message>\"");
            System.exit(0);
        }

        try
        {
            Document doc= new DocumentImpl();
            Element root = doc.createElement("Request");
            Element Identification = doc.createElement("Identification");
            Element UserID = doc.createElement("UserID");
```

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```

Element Password = doc.createElement("Password");
Element Service = doc.createElement("Service");
Element ServiceName = doc.createElement("ServiceName");
Element ServiceDetail = doc.createElement("ServiceDetail");
Element SingleMessage = doc.createElement("SingleMessage");
Element Destination = doc.createElement("Destination");
Element Text = doc.createElement("Text");
Element GUID = doc.createElement("GUID");

root.setAttribute("xmlns:xsi", "http://www.w3.org/2001/XMLSchema-instance");
root.setAttribute("xsi:noNamespaceSchemaLocation",
"http://schema.2sms.com/1.0/0410_RequestSendMessage.xsd");
root.setAttribute("Version", "1.0");

// Set the node values
UserID.appendChild( doc.createTextNode(argv[0]));
Password.appendChild( doc.createTextNode(argv[1]));
ServiceName.appendChild( doc.createTextNode("SendMessage"));
Destination.appendChild( doc.createTextNode(argv[2]));
GUID.appendChild( doc.createTextNode(argv[3]));
Text.appendChild( doc.createTextNode(argv[4]));

// Now construct the structure
doc.appendChild(root);
root.appendChild(Identification);
Identification.appendChild(UserID);
Identification.appendChild(Password);
root.appendChild(Service);
Service.appendChild(ServiceName);
Service.appendChild(ServiceDetail);
ServiceDetail.appendChild(SingleMessage);
SingleMessage.appendChild(Destination);
SingleMessage.appendChild(Text);
SingleMessage.appendChild(GUID);

//
// Now stream the XML to a String
//
OutputFormat format = new OutputFormat( doc ); //Serialize DOM
StringWriter stringOut = new StringWriter(); //Writer will be a String
XMLSerializer serial = new XMLSerializer( stringOut, format );
serial.asDOMSerializer(); // As a DOM Serializer

serial.serialize( doc.getDocumentElement() );

String xmlString = stringOut.toString();

//
// Now build a URL to point to www.2sms.com, and set the data
//
URL url = new URL("http://web.2sms.com/xml/xml.jsp");

URLConnection fe = (URLConnection)url.openConnection();//new
URLConnection ("http://web.2sms.com/xml/xml.jsp");
fe.setRequestMethod("POST");
fe.setRequestProperty("Content-type", "text/xml");

fe.setDoOutput(true);
fe.setDoInput(true);
PrintWriter out = new PrintWriter(fe.getOutputStream());
out.println(stringOut.toString());

```

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```

out.close();
String httpcode = fe.getResponseMessage();

//
// OK = we talked to the server
//
if (httpcode.compareTo("OK")==0)
{

String resp = "";
String inputLine;

// object (in) to read in the HTTP response from the remote server.
BufferedReader in = new BufferedReader(new
InputStreamReader(fe.getInputStream()));

while ((inputLine = in.readLine()) != null)
resp+=inputLine.trim();

// Close down our BufferedReader object.
in.close();

//
// strip spaces
//
resp = resp.trim();

// Now parse it, again using apache's XML parser.
//
org.apache.xerces.parsers.DOMParser parser = new
org.apache.xerces.parsers.DOMParser();

StringReader reader = new StringReader(resp);
InputSource is = new InputSource(reader);

parser.parse(is);
Document outdoc = parser.getDocument();

Node node;
node = outdoc.getFirstChild();

if (node.getNodeName().compareTo("exception")==0)
{
Node description = node.getFirstChild();
System.out.println("Error handling request
"+description.getFirstChild().getNodeValue()+" The request failed.");
}
else
{

// Get the result. Assume that the document structure is ok
NodeList nodes = outdoc.getElementsByTagName("ErrorReason");
node = nodes.item(0);
if (node != null)
{
System.out.println("Result is "+node.getFirstChild().getNodeValue());
}
}
else
{
System.out.println("Result unknown - message probably not sent");
}
}
}

```

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```
}
}
else
{
    System.out.println("RESPONSE =" + fe.getResponseMessage() + "");
}

}
catch ( Exception ex )
{
    System.out.println("A JAVA error ocured " + ex);
    //ex.printStackTrace();
}
}
}
```



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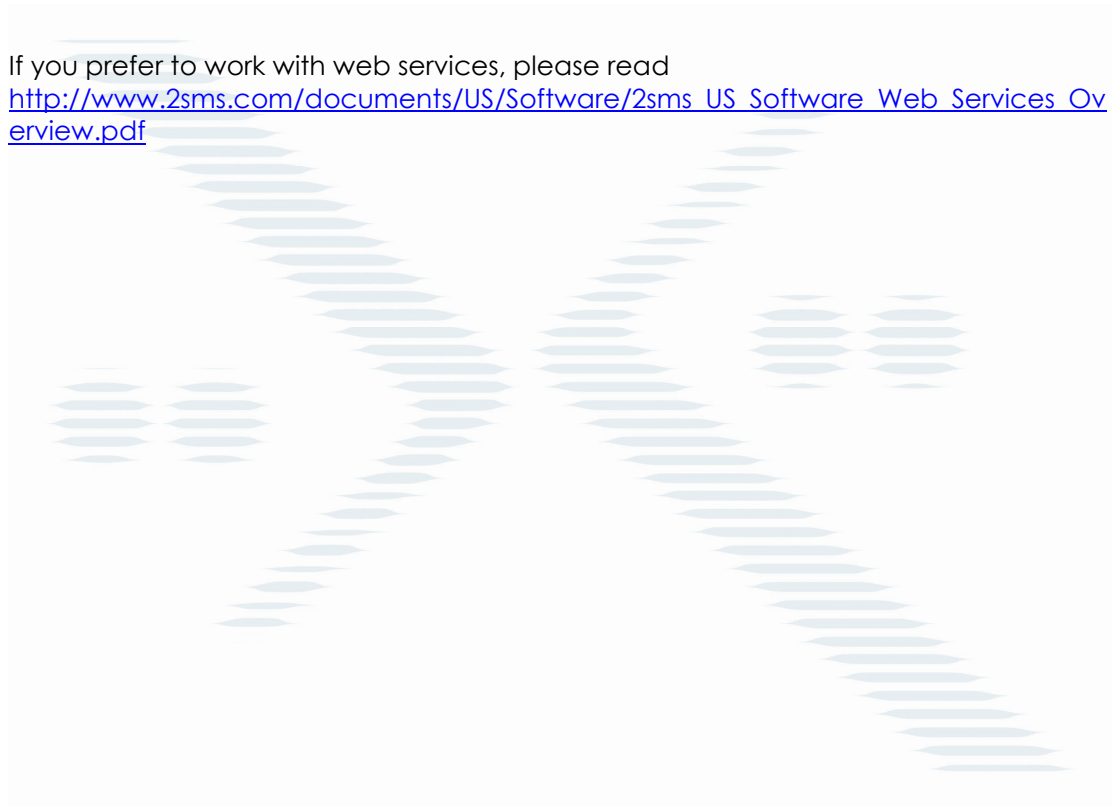
2sms XML Services

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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