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## Composer Help

Web Service SOAP Messages

# Web Service SOAP Messages

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Use the examples below when configuring the [Web Service block](#).

## SOAP Message Level Basic Authentication

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Header>
    <h:BasicAuth xmlns:h="http://soap-authentication.org/basic/2001/
10/" mustUnderstand="1">
      <Name>UserName</Name>
      <Password>Pass</Password>
    </h:BasicAuth>
  </SOAP-ENV:Header>
  <SOAP-ENV:Body>
    <p:getNumber xmlns:p="http://webservice.com"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## SOAP Message Signed Using Client Digital Certificate (DSA Key Algorithm)

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Header>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
utility-1.0.xsd" SOAP-ENV:mustUnderstand="1">
  <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Id="SIG-2">
    <ds:SignedInfo>
      <ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">
      <ec:InclusiveNamespaces xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" PrefixList="SOAP-
ENV"/>
    </ds:CanonicalizationMethod>
    <ds:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#dsa-sha1"/>
    <ds:Reference URI="#id-1">
      <ds:Transforms>
        <ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"><ec:InclusiveNamespaces
xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" PrefixList=""/>
      </ds:Transform>
    </ds:Transforms>
    <ds:DigestMethod Algorithm="http://www.w3.org/2000/09/
xmldsig#sha1"/><ds:DigestValue>yMmgdHRev0nFPGtnSZx4JV9hiuI=</ds:DigestValue></ds:Reference></ds:SignedInfo><ds:
Id="KI-8D7856F18A7AB8CF5613098009924472">
    <wsse:SecurityTokenReference wsu:Id="STR-8D7856F18A7AB8CF5613098009924473">
      <wsse:KeyIdentifier EncodingType="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-
soap-message-security-1.0#Base64Binary" ValueType="http://docs.oasis-open.org/wss/2004/01/
oasis-200401-wss-x509-token-
profile-1.0#X509v3">MIIcWDCcAn2gAwIBAgIETfBxZzALBgqhkJ00AQDBQAwQzELMAkGA1UEBhMCVVMxDDAKBgNVBAoTA1N1bjERMA8GA1U
yZnMC3a5LQpaSfn+gEexAiwk+7qdf+t8Yb+DtX58aophUPBPuD9tPFHsMCNVQTWhaRMvZ1864rYdcq7/
IiAxmd0UgBxwIVAJdgdUI8VIwvMspK5gqLrhAvvWBz1AoGBAPfhoIXWmz3ey7yrXDa4V7l5lK+7+jrqqvLXTAs9B4JnUVlXjrrUWU/
mcQcQgYC0SRZxI+hMKBYTt88JMozIpuE8FnqLVHyNKOCj rh4rs6Z1kW6j fwv6ITVi8ftiegEk08yk8b6oUZCJqIPf4VrlnwaSi2ZegHtVJWQBTD
5Ykhco6LMBRRncJwGuWB/mFPhaX80dfj8NMEih1+ICIjhVwGk1p6P3Gu2Dm+45TYJCxBktd0LU0uy/
Uj8E61NZSaeQL9WA4gGz5Hb5uMAsGByqGSM44BAMFAAMwADAtAhQqfbMb9hd1vpBAAJntCDSOY5uP2AIVAJGy1E7Zx4268n3fD34gLcPkZoKc</
</wsse:SecurityTokenReference>
</ds:KeyInfo>
```

```
</ds:Signature>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="id-1">
<p:methodName xmlns:p="http://example.com"><key>value</key></p:methodName>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## SOAP Message Signed Using Client Digital Certificate (RSA Key Algorithm)

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Header>
<wsse:Security xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" SOAP-ENV:mustUnderstand="1">
<ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#" Id="SIG-2">
<ds:SignedInfo><ds:CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#">
<ec:InclusiveNamespaces xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" PrefixList="SOAP-ENV"/>
</ds:CanonicalizationMethod>
<ds:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1"/>
<ds:Reference URI="#id-1">
<ds:Transforms>
<ds:Transform Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#"><ec:InclusiveNamespaces xmlns:ec="http://www.w3.org/2001/10/xml-exc-c14n#" PrefixList=""/>
</ds:Transform>
</ds:Transforms>
<ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
<ds:DigestValue>yMmgdHRevOnFPGtnSZx4JV9hiuI=
</ds:DigestValue>
</ds:Reference>
</ds:SignedInfo>
<ds:SignatureValue>MX9c9C5Tpfvp32e2pPjKcV4ycZhcuzVMFH08DlGKWi331fnG3oqXLg==</ds:SignatureValue>
<ds:KeyInfo Id="KI-8D7856F18A7AB8CF5613098009924472">
<wsse:SecurityTokenReference wsu:Id="STR-8D7856F18A7AB8CF5613098009924473">
<wsse:KeyIdentifier EncodingType="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-soap-message-security-1.0#Base64Binary" ValueType="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-x509-token-profile-1.0#X509v3">MIICwDCCAn2gAwIBAgIETfBxZzALBgqhkJ00AQDBQAwQzELMAkGA1UEBhMCVVMxDDAKBgNVBAoTA1N1bJERMA8GA1UyZmC3a5lQpaSfn+gEexAiwk+7qdf+t8Yb+DtX58aophUPBPuD9tPFHsMCNVQTWhaRMvZ1864rYdcq7/IiAxmd0UgBxwIVAJdgdUI8VIwvMspK5ggLrhAvvWBz1AoGBAPfhoIXWmz3ey7yrXDa4V7l5lK+7+jrqqvLXTAs9B4JnUVLXjrrUWU/mcQcQgYC0SRZxI+hMKBYTt88JMoZIpuE8FnqLVHYNK0Cjrh4rs6Z1kW6jfwv6ITVi8ftiegEk08yk8b6oUZCJqIPf4VrlnwaSi2ZegHtVJWQBTD5Ykhco6lMBRRncJwGuWB/mFPhaX80dfj8NMEih1+ICIjhVwGk1p6P3Gu2Dm+45TYJCxBktd0lU0uy/Uj8E61NZSaeQL9WA4gGz5Hb5uMAsGBYqGSM44BAMFAAMwAdAtAhQqfbMb9hd1vpBAAJntCDSOY5uP2AIVAJGy1E7Zx4268n3fdD34gLcPkZoKc</wsse:SecurityTokenReference>
</ds:KeyInfo>
</ds:Signature>
</wsse:Security>
</SOAP-ENV:Header>
<SOAP-ENV:Body xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="id-1">
<p:methodName xmlns:p="http://example.com"><key>value</key></p:methodName>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```