

# XML Signer

XML Signer XML Signer XML  
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# XML Signature

Web W3C XML Signature XML XML Signature Web XML OASIS SOAP

# XML Signer

SOAtest XML Signer W3C XML Signature XML Signer Web XML Signer XML XML Web Web

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- [WS-Security](#)
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**Name**

Name:

**Data Source**

Data Source:

**Tool Settings**

General

WS-Security

Target Elements

Emulation Options

**General Settings**

Key store:

Algorithm:

Digest method:

Canonical form:

KeyInfo form:

X.509 Certificate

X.509 IssuerSerial

X.509 SKI

X.509 SubjectName

Public KeyValue

STR X.509 Certificate

STR X.509 SKI

**WS-Security mode**

Security header layout:

Sign security token using STR Dereference Transform (STRDT)

Perform SAML signature

User key store:

[]

	:	XML [] <a href="#">(Virtualize)</a>
<b>KeyInfo</b>		<p>KeyInfo POX SAML (WS-Security ) Enveloped KeyInfo</p> <ul style="list-style-type: none"> <li>• <b>X509</b> : base64 X509Data/X509Certificate</li> <li>• <b>X509 IssuerSerial</b>: / X509Data/X509IssuerSerial</li> <li>• <b>X509 SKI</b>: base64 X509Data/X509SKI X.509 3</li> <li>• <b>X509SubjectName</b>: X.509 X509Data/X509SubjectName</li> <li>• <b>KeyValue</b>: 64base KeyValue/RSAPublicKey</li> <li>• <b>STR X509</b> : 64base awsse:SecurityTokenReference/wsse:KeyIdentifier</li> <li>• <b>STR X509 SKI</b>: 64base wsse:SecurityTokenReference/wsse:KeyIdentifier</li> </ul>

<b>WS-Security :</b>	SOAtest OASIS WS-Security SOAP OASIS <a href="#">[Emulation Options Settings]</a> <a href="#">[Target Elements Settings]</a> SOAP SOAtest Enveloped <input type="checkbox"/> WS-Security <ul style="list-style-type: none"> <li>• <b>Lax:</b> WSS: SOAP Message Security</li> <li>• <b>LaxTimestampFirst:</b> Lax wsse:Timestamp</li> <li>• <b>LaxTimestampLast:</b> Lax wsse:Timestamp</li> <li>• <b>Strict:</b></li> </ul> STR Dereference Transform (STRDT) (STR) <b>[STR Dereference Transform (STRDT) ]</b> KeyInfo STR STR ( STR) STR
<b>SAML</b>	OASIS SAML SOAP SAML Enveloped WS-Security : Enveloped SAML <a href="#">[Target Elements Settings]</a> SAML Holder-of-Key SAML Enveloped WS-Security : SOAP OASIS SAML <ul style="list-style-type: none"> <li>• SAML 1.1 WSS4J 1.5 OASIS 1.1</li> <li>• SAML 2 WSS4J 1.6 OASIS 1.1.1</li> </ul>
	Holder-of-Key SAML Sender-Vouches Enveloped WS-Security SAML Enveloped public KeyInfo subject confirmation Holder-of-Key WS-Security SOAP 2 <ol style="list-style-type: none"> <li>1. Holder-of-Key</li> <li>2. SOAP Enveloped</li> </ol> Holder-of-Key 2 XML Singner XML Singner public KeyInfo subject confirmation Enveloped (WSS ) XML Singner OASIS SAML SAML SOAP (WSS )

## WS-Security

[WS-Security]

	SOAP
<b>mustUnderstand = 1</b> :	SOAP fault
	<ul style="list-style-type: none"> <li>• :</li> <li>• :</li> </ul>

**SOAP /:** SOAP XML

XPath XML :

1. **[SOAP /]**
2.
3.  XPath
  - a.  XPath
  - b.
4. **[XPath]**
5. [OK]

[\[General Settings\]](#) [WS-Security]

1.
2.

[ Custom ] :

- **wsse URI**: WS-Security URI
- **wsu URI**: WS-Security URI
- **'Id'** : Id
- **BinarySecurityToken** : wsse
- **BinarySecurityToken** : wsse URI

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[ XML Signer ]

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- : [ ]
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XML Signer [ ] [ ] [XML Signer] XML

SOAP XML XML Signer XML Encryption XML Encryption [XML Encryption](#)

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### Unlimited Strength Java Cryptography Extension

XML Signature Verifier XML Signer XML Encryption ( ) Unlimited Strength Java Cryptography Extension [JCE](#)