

Service Architecture Leveraging Tuxedo (SALT)

Interoperability Guide

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SALT Interoperability

This chapter discusses the following topics:

- [Web Service Client Interoperability](#)
- [Web Service Server Interoperability](#)
- [WS-TX Interoperability](#)
- [SAML Interoperability](#)

Web Service Client Interoperability

SALT supports most Web service client programs accessing inbound Oracle Tuxedo services.

The SALT WSDL generator ([tmwsdlgen](#)) generates WSDL 1.1 specification compliant WSDL documents that can be published to most standard UDDI servers.

[Table 1](#) lists certified Web service client toolkits that are interoperable with SALT.

Table 1 Certified Interoperable Web Service Client Toolkits

	WebLogic Server		Axis for Java 2.0	.Net 3.5	ALSB 3.0	Oracle BPEL 10.1.3.1.0
	9.2	10.3				
SOAP 1.1 RPC/encoded	Yes	Yes	N/A	N/A	Yes	Yes
SOAP 1.1 document/literal	Yes	Yes	Yes	Yes	Yes	Yes
SOAP 1.2 RPC/encoded	N/A	N/A	N/A	N/A	N/A	N/A
SOAP 1.2 document/literal	N/A	Yes	Yes	Yes	Yes	N/A

Web Service Server Interoperability

SALT supports most external Web service applications that are described using WSDL 1.1 standard documents with the exceptions listed in [Table 2](#).

Table 2 Non-Supported Web Service Descriptions by SALT

WSDL Description	Explanation
RPC/literal message style	GWWS servers support only RPC/encoded and document/literal SOAP message style for outbound services. If RPC/literal message style is defined in the external WSDL file, the converted non-native WSDL file cannot be accepted by SALT configuration compiler.
<wsdl:import>	SALT WSDL converter cannot recursively retrieve the nesting WSDL document defined using <wsdl:import>.

Table 2 Non-Supported Web Service Descriptions by SALT

WSDL Description	Explanation
HTTP binding	<p>WSDL 1.1 specification defines <i>HTTP GET & POST binding</i> besides <i>SOAP binding</i>. <i>HTTP GET & POST binding</i> describes the interaction between a Web browser and a Web server using simple HTTP protocols.</p> <p>Although the GWWS server supports HTTP transport, only SOAP protocol compliant XML messages are supported on the wire. If a WSDL document contains a <i>HTTP GET & POST binding</i>, this binding is ignored by the SALT WSDL converter.</p>
WS-Policy Attachment	The SALT WSDL converter does not support WS-Policy attachments defined in the WSDL document. If WS-Policy attachments are defined in the WSDL document, policy information is ignored by the SALT WSDL converter.
MIME binding	SALT WSDL converter does not support any message-level MIME format association.
SOAP header and headerfault messages	SALT WSDL converter does not support <soap:header> and <soap:headerfault> descriptions in the WSDL 1.1 document. All <soap:header> and <soap:headerfault> messages defined for the wsdl operation are ignored by SALT WSDL converter.
More than one SOAP Fault message	SALT WSDL converter does not support more than one fault message to be defined for a WSDL operation.

Table 3 lists certified Web service servers that are interoperable with SALT.

Table 3 Certified Interoperable Web Service Server Toolkits

	WebLogic Server		Axis for Java	.Net 3.5	ALSB 3.0	Oracle BPEL
	9.2	10.3	2.0			10.1.3.1.0
SOAP 1.1 RPC/encoded	Yes	Yes	N/A	N/A	Yes	Yes
SOAP 1.1 document/literal	Yes	Yes	Yes	Yes	Yes	Yes

Table 3 Certified Interoperable Web Service Server Toolkits

	WebLogic Server		Axis for Java 2.0	.Net 3.5	ALSB 3.0	Oracle BPEL 10.1.3.1.0
	9.2	10.3				
SOAP 1.2 RPC/encoded	N/A	N/A	N/A	N/A	N/A	N/A
SOAP 1.2 document/literal	N/A	Yes	Yes	Yes	Yes	N/A

WS-TX Interoperability

SALT supports most external Web service applications that are described using WS-TX standard documents as listed in [Table 4](#).

Table 4 WS-TX Standards Interoperability

	WebLogic Server 10.3.3	.Net 3.5
Client interoperability WS-COOR 1.0 and WS-AT 1.0	Yes	Yes
Server interoperability WS-COOR 1.0 and WS-AT 1.0	Yes	Yes

SAML Interoperability

[Table 5](#) lists the SALT supported SAML standards and application server.

Table 5 SAML Standards and Application Server

WS-Security Policy	Application Server
SAML 1.1 with Asymmetric binding <ul style="list-style-type: none"> • InitiatorToken Always or AlwaysToRecipient • RecipientToken Never Signed Supporting Token SAML v 1.1	WebLogic Server 10.3.5
SAML 2.0 with Asymmetric binding <ul style="list-style-type: none"> • InitiatorToken Always or AlwaysToRecipient • RecipientToken Never Signed Supporting Token SAML v 2.0	WebLogic Server 10.3.5

See Also

- [SALT Administration Guide](#)

