

# **Oracle® Service Architecture Leveraging Tuxedo (SALT)**

Interoperability Guide

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**ORACLE®**

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Oracle Service Architecture Leveraging Tuxedo (SALT) Interoperability, 11g Release 1 (11.1.1.2)

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# Oracle SALT Interoperability

This chapter discusses the following topics:

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

## Web Service Client Interoperability

Oracle 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 Oracle SALT.

**Table 1 Certified Interoperable Web Service Client Toolkits**

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

## Web Service Server Interoperability

Oracle 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 Oracle 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 Oracle SALT**

| WSDL Description                     | Explanation  |
|--------------------------------------|--|
| HTTP binding                         | <p>WSDL 1.1 specification defines <i>HTTP GET &amp; POST binding</i> besides <i>SOAP binding</i>. <i>HTTP GET &amp; 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 &amp; 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 Oracle 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<br>RPC/encoded      | Yes             | Yes  | N/A           | N/A      | Yes      | Yes         |
| SOAP 1.1<br>document/literal | Yes             | Yes  | Yes           | Yes      | Yes      | Yes         |

**Table 3 Certified Interoperable Web Service Server Toolkits**

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

## WS-TX Interoperability

Oracle 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<br>Server 10.3.3 | .Net 3.5 |
|--|---------------------------|----------|
| Client interoperability<br>WS-COOR 1.0 and WS-AT 1.0 | Yes                       | Yes      |
| Server interoperability<br>WS-COOR 1.0 and WS-AT 1.0 | Yes                       | Yes      |

## See Also

- [Oracle SALT Administration Guide](#)