BEASALT™

Interoperability

Contents

BEA SALT Interoperability

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The following topics are discussed in this section:

- Interoperability with Web Service Clients
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Interoperability with Web Service Clients

BEA SALT supports most Web service client programs accessing inbound 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 BEA SALT.

Table 1 Certified Interoperable Web Service Client Toolkits

| | WebLogic Server | | Axis for Java 2.0 | .Net 3.0 |
	9.2	10.0		
SOAP 1.1 RPC/encoded	Yes	Yes	N/A	N/A
SOAP 1.1 document/literal	Yes	Yes	Yes	Yes

Table 1 Certified Interoperable Web Service Client Toolkits

	WebLogic Server		Axis for Java 2.0	.Net 3.0
	9.2	10.0		
SOAP 1.2 RPC/encoded	N/A	N/A	N/A	N/A
SOAP 1.2 document/literal	N/A	Yes	Yes	Yes

Interoperability with Web Service Servers

BEA 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 BEA 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 WSDF file cannot be accepted by SALT configuration compiler.
\<wsdl:import\>	SALT WSDL converter cannot recursively retrieve the nesting WSDL document defined using \<wsdl:import\>.
HTTP binding	WSDL 1.1 specification defines *HTTP GET & POST binding* besides *SOAP binding*. *HTTP GET & POST binding* describes the interaction between a Web browser and a Web server using simple HTTP protocols. Although the GWWS server supports HTTP transport, only SOAP protocol compliant XML messages are supported on the wire. If a WSDL document contains a *HTTP GET & POST binding*, this binding is ignored by the SALT WSDL converter.

Table 2 Non-Supported Web Service Descriptions by BEA SALT

WSDL Description	Explanation
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 BEA SALT.

Table 3 Certified Interoperable Web Service Server Toolkits

	WebLogic Server		Axis for Java 2.0	.Net 3.0
	9.2	10.0		
SOAP 1.1 RPC/encoded	Yes	Yes	N/A	N/A
SOAP 1.1 document/literal	Yes	Yes	Yes	Yes
SOAP 1.2 RPC/encoded	N/A	N/A	N/A	N/A
SOAP 1.2 document/literal	N/A	Yes	Yes	Yes