

Oracle® Service Architecture Leveraging Tuxedo (SALT)

Interoperability

10g Release 3 (10.3)

January 2009

ORACLE®

Copyright © 2006, 2009, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications which may create a risk of personal injury. If you use this software in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure the safe use of this software. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software in dangerous applications.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

This software and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

Oracle SALT Interoperability

- Interoperability with Web Service Clients 1
- Interoperability with Web Service Servers 2

Oracle SALT Interoperability

The following topics are discussed in this section:

- [Interoperability with Web Service Clients](#)
- [Interoperability with Web Service Servers](#)

Interoperability with Web Service Clients

Oracle 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 Oracle SALT.

Table 1 Certified Interoperable Web Service Client Toolkits

	WebLogic Server		Axis for Java 2.0	.Net 3.0	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

Table 1 Certified Interoperable Web Service Client Toolkits

	WebLogic Server		Axis for Java 2.0	.Net 3.0	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

Interoperability with Web Service Servers

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 <i>RPC/encoded</i> and <i>document/literal</i> SOAP message style for outbound services. If <i>RPC/literal</i> 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>.
HTTP binding	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. 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.

Table 2 Non-Supported Web Service Descriptions by Oracle 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 Oracle SALT.

Table 3 Certified Interoperable Web Service Server Toolkits

	WebLogic Server		Axis for Java	.Net 3.0	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
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

