



BEA AquaLogic Service Bus™

Interoperability Solutions for WebLogic Platform

Version: 2.5
Document Revised: July 2006

Copyright

Copyright © 1995-2006 BEA Systems, Inc. All Rights Reserved.

Restricted Rights Legend

This software is protected by copyright, and may be protected by patent laws. No copying or other use of this software is permitted unless you have entered into a license agreement with BEA authorizing such use. This document is protected by copyright and may not be copied photocopied, reproduced, translated, or reduced to any electronic medium or machine readable form, in whole or in part, without prior consent, in writing, from BEA Systems, Inc.

Information in this document is subject to change without notice and does not represent a commitment on the part of BEA Systems. THE DOCUMENTATION IS PROVIDED “AS IS” WITHOUT WARRANTY OF ANY KIND INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FURTHER, BEA SYSTEMS DOES NOT WARRANT, GUARANTEE, OR MAKE ANY REPRESENTATIONS REGARDING THE USE, OR THE RESULTS OF THE USE, OF THE DOCUMENT IN TERMS OF CORRECTNESS, ACCURACY, RELIABILITY, OR OTHERWISE.

Trademarks and Service Marks

Copyright © 1995-2006 BEA Systems, Inc. All Rights Reserved. BEA, BEA JRocket, BEA WebLogic Portal, BEA WebLogic Server, BEA WebLogic Workshop, Built on BEA, Jolt, JoltBeans, SteelThread, Top End, Tuxedo, and WebLogic are registered trademarks of BEA Systems, Inc. BEA AquaLogic, BEA AquaLogic Data Services Platform, BEA AquaLogic Enterprise Security, BEA AquaLogic Interaction, BEA AquaLogic Interaction Analytics, BEA AquaLogic Interaction Collaboration, BEA AquaLogic Interaction Content Services, BEA AquaLogic Interaction Data Services, BEA AquaLogic Interaction Integration Services, BEA AquaLogic Interaction Process, BEA AquaLogic Interaction Publisher, BEA AquaLogic Interaction Studio, BEA AquaLogic Service Bus, BEA AquaLogic Service Registry, BEA Builder, BEA Campaign Manager for WebLogic, BEA eLink, BEA Kodo, BEA Liquid Data for WebLogic, BEA Manager, BEA MessageQ, BEA SALT, BEA Service Architecture Leveraging Tuxedo, BEA WebLogic Commerce Server, BEA WebLogic Communications Platform, BEA WebLogic Enterprise, BEA WebLogic Enterprise Platform, BEA WebLogic Enterprise Security, BEA WebLogic Express, BEA WebLogic Integration, BEA WebLogic Java Adapter for Mainframe, BEA WebLogic JDriver, BEA WebLogic Log Central, BEA WebLogic Mobility Server, BEA WebLogic Network Gatekeeper, BEA WebLogic Personalization Server, BEA WebLogic Personal Messaging API, BEA WebLogic Platform, BEA WebLogic Portlets for Groupware Integration, BEA WebLogic Real Time, BEA WebLogic RFID Compliance Express, BEA WebLogic RFID Edge Server, BEA WebLogic RFID Enterprise Server, BEA WebLogic Server Process Edition, BEA WebLogic SIP Server, BEA WebLogic WorkGroup Edition, BEA Workshop for WebLogic Platform, BEA Workshop JSP, BEA Workshop JSP Editor, BEA Workshop Struts, BEA Workshop Studio, Dev2Dev, Liquid Computing, and Think Liquid are trademarks of BEA Systems, Inc. Accelerated Knowledge Transfer, AKT, BEA Mission Critical Support, BEA Mission Critical Support Continuum, and BEA SOA Self Assessment are service marks of BEA Systems, Inc.

All other names and marks are property of their respective owners.

Contents

Interoperability with WebLogic Platform

- AquaLogic Service Bus Interoperability with WebLogic 8.1 Domains 1-1
- Guidelines for Naming WebLogic Domains and Servers 1-2

Interoperability with WebLogic Platform

AquaLogic Service Bus Interoperability with WebLogic 8.1 Domains

When your scenario requires interoperability between an AquaLogic Service Bus domain and a BEA WebLogic Platform 8.1 domain, you must set up your AquaLogic Service Bus domain as follows:

1. Apply any patches required for WebLogic Platform 8.1 domains. For the latest information about patches, see “Known Limitations” in the *BEA AquaLogic Service Bus Release Notes*.
2. Establish domain trust between all WebLogic Server domains participating in the transaction.

For information about how to do so, see “Enabling Trust Between WebLogic Server Domains” in *Configuring Security for a WebLogic Domain* in *Securing WebLogic Server*.

3. Ensure that you set the **Security Interoperability Mode** attribute in the WebLogic Server Administration Console to **compatibility**.

The **Security Interoperability Mode** attribute specifies the security mode to use for XA calls in cross-domain transactions. You can set this attribute on the WebLogic Server Administration Console from either the domain-wide security settings or from the Java Transaction API (JTA) configuration page for the WebLogic Server domain. For more information, see [Domain: Security: General](#) and [Domains: Configuration: JTA](#) in the *WebLogic Server Administration Console Online Help*.

4. Use different listening ports for the AquaLogic Service Bus and WebLogic 8.1 domains. Also, ensure that the Debug and Pointbase ports are different (you can check the `db.properties`

file to determine which ports are specified). Both AquaLogic Service Bus and WebLogic 8.1 domains are initially set up with default ports, which may conflict if they not changed.

Guidelines for Naming WebLogic Domains and Servers

For information about naming WebLogic domains and servers, see [AquaLogic Service Bus Interoperability Solutions for JMS](#).

Related Topics

For AquaLogic Service Bus use cases, including use cases that involve interoperability between WebLogic Domains, see [Modeling Message Flow in AquaLogic Service Bus](#) in the *BEA AquaLogic Service Bus User Guide*.