BEA AquaLogic® Interaction JSR-168 Container

Installation and Upgrade Guide

Version 1.2
Document Revised: December 2007

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CHAPTER 1

Welcome

How to Use This Book

This book describes how to install AquaLogic Interaction JSR-168 Container 1.2.

Audience

This guide is written for the user responsible for installing JSR-168 Container. This user must have strong knowledge of the operating system and web application servers.

Organization

This chapter provides information on how to use this guide and lists additional resources. This guide also includes the following chapters:

- Chapter 2, "Installation Prerequisites," provides hardware and software requirements. Read this chapter and meet the prerequisites before proceeding with installation.
- Chapter 3, "Installation," provides detailed instructions for installing and configuring JSR-168 Container on all platforms.

Typographical Conventions

This book uses the following typographical conventions.

Table 1-1 Typographical Conventions

Convention	Typeface	Examples/Notes
• File names • Folder names • Screen elements	**bold**	• Upload **Procedures.doc** to the portal. • The log files are stored in the **logs** folder. • To save your changes, click **Apply Changes**.
• Text you enter	`computer`	Type `Marketing` as the name of your community.
• Variables you enter	`computer with angle brackets (<>)`	Enter the base URL for the Remote Server. For example, `http://<my_computer>/`.
• New terms • Emphasis • Object example names	*italic*	• *Portlets* are Web tools embedded in your portal. • The URI *must* be a unique number. • The example Knowledge Directory displayed in Figure 5 shows the *Human Resources* folder.

BEA Documentation and Resources

This section describes other documentation and resources provided by BEA.

Table 1-2 BEA Documentation and Resources

Resource	Description
Release Notes	These files are written for AquaLogic Interaction JSR-168 Container administrators. They include information about new features and known issues in the release. They are available on edocs.bea.com and on the application CD.
Developer Guides, Articles, API Documentation, Blogs, Newsgroups, and Sample Code	These resources are provided for developers on the BEA dev2dev site (dev2dev.bea.com). They describe how to build custom applications using AquaLogic User Interaction and how to customize AquaLogic User Interaction products and features.

Table 1-2 BEA Documentation and Resources

Resource	Description
Deployment Guide	This document is written for business analysts and system administrators. It describes how to plan your AquaLogic User Interaction deployment. It is available in electronic form (PDF) on edocs.bea.com.
AquaLogic User Interaction Support Center	The AquaLogic User Interaction Support Center is a comprehensive repository for technical information on AquaLogic User Interaction products. From the Support Center, you can access products and documentation, search knowledge base articles, read the latest news and information, participate in a support community, get training, and find tools to meet most of your AquaLogic User Interaction-related needs. The Support Center encompasses the following communities: **Technical Support Center** Submit and track support incidents and feature requests, search the knowledge base, access documentation, and download service packs and hotfixes. **User Group** Visit the User Group section to collaborate with peers and view upcoming meetings. **Product Center** Download products, read Release Notes, access recent product documentation, and view interoperability information. **Developer Center** Download developer tools and documentation, get help with your development project, and interact with other developers via BEA's dev2dev Newsgroups. **Education Services** Find information about available training courses, purchase training credits, and register for upcoming classes. If you do not see the Support Center when you log in to http://support.plumtree.com, contact ALUIsupport@bea.com for the appropriate access privileges.

Table 1-2 BEA Documentation and Resources

Resource	Description
dev2dev.bea.com	Download developer tools and documentation, get help with your development project, and interact with other developers via BEA's dev2dev Newsgroups.
Technical Support	If you cannot resolve an issue using the above resources, BEA Technical Support is happy to assist. Our staff is available 24 hours a day, 7 days a week to handle all your technical support needs. E-mail: ALUIsupport@bea.com Phone Numbers: U.S.A. +1 866.262.PLUM (7586) or +1 415.263.1696 Europe +44 1494 559127 Australia/NZ +61 2.9923.4030 Asia Pacific +61 2.9931.7822 Singapore +1 800.1811.202

CHAPTER 2

Installation Prerequisites

Before you run the AquaLogic Interaction JSR-168 Container installer, complete the following steps:

1. Download the most up-to-date documentation from edocs.bea.com.
2. Read the product release notes for additional information on compatibility issues, known problems, and workarounds that might affect how you proceed with your deployment. Release notes are located at the top-level directory of the product package.
3. Provision host computers for your deployment and install prerequisite software. For details, see the Hardware and Software Requirements that follow.

Hardware and Software Requirements

The following tables summarize the operating system and software requirements for AquaLogic Interaction JSR-168 Container.

- Software Requirements on Linux and Unix
- Software Requirements on Windows

Software Requirements on Linux and Unix

Note: For the most up-to-date list of supported software for your deployment, refer to the Interoperability page in the AquaLogic User Interaction Support Center.

Caution: IPv6 is not supported. You should verify that IPv6 is not enabled prior to installing

JSR-168 Container.

Component	Requirement
Remote Server (Host Computer)	**Disk:** 128 MB available **Memory:** 512 MB RAM **Operating System:** • AIX 5.3 on POWER, 32bit or 64bit • HP-UX 11i v2 on Itanium, 32bit • Red Hat Enterprise Linux 3 Update 3 (ES & AS) • Solaris 8, 9, and 10 • SUSE Linux 9 on x86 **Application Server:** JSR-168 requires an application server that follows the 2.3 Servlet specifications. The following application servers are supported: • On AIX – IBM WebSphere 6.0.1 with the Java 1.4 VM – IBM WebSphere 6.1 with the Java 5.0 VM • On HP-UX – BEA WebLogic 9.2 with the Java 5.0 VM • On Red Hat and SUSE – BEA WebLogic 8.1sp5 with the Java 1.4 VM – BEA WebLogic 9.1 and 9.2 with the Java 5.0 VM – IBM WebSphere 6.0.1 with the Java 1.4 VM – IBM WebSphere 6.1 with the Java 5.0 VM – Tomcat 5.0.28 with the Java 1.4 VM • On Solaris – BEA WebLogic 8.1sp4 and 8.1sp5 with the Java 1.4 VM – BEA WebLogic 9.1 and 9.2 with the Java 5.0 VM – IBM WebSphere 6.0.1 with the Java 1.4 VM – IBM WebSphere 6.1 with the Java 5.0 VM – Tomcat 5.0.28 with the Java 1.4 VM
Portal Software	• Plumtree Corporate Portal 5.0.x • Plumtree Foundation 6.0.x • AquaLogic Interaction 6.1

Software Requirements on Windows

Note: For the most up-to-date list of supported software for your deployment, refer to the Interoperability page in the AquaLogic User Interaction Support Center.

Component	Requirement
Remote Server (Host Computer)	**Disk:** 128 MB available **Memory:** 512 MB RAM **Operating System:** Windows 2003 Server **Application Server:** JSR-168 requires an application server that follows the 2.3 Servlet specifications. The following application servers are supported: • BEA WebLogic 8.1sp4 and 8.1sp4 with the Java 1.4 VM • BEA WebLogic 9.1 and 9.2 with the Java 5.0 VM • IBM WebSphere 6.0.1 with the Java 1.4 VM • IBM WebSphere 6.1 with the Java 5.0 VM • Tomcat 5.0.28 with the Java 1.4 VM
Portal Compatibility	• Plumtree Corporate Portal 5.0.x • Plumtree Foundation 6.0.x • AquaLogic Interaction 6.1

CHAPTER 3

Installation

This chapter explains how to install and configure the AquaLogic Interaction JSR-168 Container on all supported platforms.

Before installing, confirm that your system meets the requirements. For details, see Chapter 2, "Installation Prerequisites."

The installation process involves two steps:

- "Install Files on Remote Server" on page 3-2
- "Configure Remote Server" on page 3-2

In addition, samples illustrating how to use the JSR-168 Container can be installed:

- "Install the JSR-168 Container Samples" on page 3-3

Install Files on Remote Server

Follow the steps below to install the JSR-168 Container on your remote server (host computer).

1. Ensure the PT_HOME environment variable has been set correctly. If PT_HOME has not been previously set, create a directory for PT_HOME. Set the PT_HOME environment variable to this directory.
2. Extract the JSR-168 Container distributable to PT_HOME.

- On Linux and UNIX, the distributable is **ali-jsr168-container-1_2-unix.tgz**.
- On Windows, the distributable is **ali-jsr168-container-1_2-win.zip**.

Configure Remote Server

The steps required to configure the remote server vary depending on whether the PT_HOME directory existed prior to installation, or if the PT_HOME directory had to be created.

If the PT_HOME directory already existed:

1. Navigate to the directory referenced by PT_HOME and open **pthome.xml** in a text editor.
2. Add the following code within the pthome element (between `<pthome>` and `</pthome>`).

Note: The `<path>` and `<configpath>` elements must reflect the fully qualified path to the ptjsr168 directories. Forward slashes must be used regardless of operating system.

```
<product name="ptjsr168">
<install version="1.2">

   <path>C:/bea/alui/ptjsr168/1.2</path>
   <configpath>C:/bea/alui/ptjsr168/1.2/settings/config</configpath>

</install>
</product>
```

If the PT_HOME directory did not exist:

Copy the **pthome.xml** file from **<PT_HOME>/ptjsr168/1.2/settings/config** to the root **<PT_HOME>** directory.

Install the JSR-168 Container Samples

To install the JSR-168 Container samples:

1. Deploy the **ali168Samples.war** file from the **<PT_HOME>/ptjsr168/1.2/webapp** directory using the method appropriate for your application server.
2. Migrate the jsr-168.pte server package using the method appropriate for the version of AquaLogic User Interaction installed. For details on importing server packages, see the *Administrator Guide for AquaLogic Interaction.*

   The JSR-168 Container server package is **<PT_HOME>/ptjsr168/**1.2/**serverpackages/jsr-168.pte**.

After the resource package is imported, a JSR-168 folder will appear in portal administration that includes the JSR-168 Remote Server, two Web Services (RSSPortletWebService and JspPortletWebService), and two portlets (RSSPortlet and JspPortlet). These portlets do not require any configuration.

Note: Before placing the portlets on a page, edit the JSR-168 Remote Server object and change the Remote Server URL to the correct address of the host computer.

Note: The sample RSSportlet contains an admin preference page that allows you to save your proxy server settings. You must configure your application server to work with a proxy server setting. Follow the documentation for your application server to configure the proxy server setting.