Oracle® WebCenter JSR-168 Container

Installation Guide

Release 10g Release 3 (10.3)

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ORACLE

Installation and Upgrade Guide for Oracle WebCenter JSR-168 Container, Release 10g Release 3 (10.3)

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CHAPTER 1

Welcome

How to Use This Book

This book describes how to install Oracle WebCenter JSR-168 Container 10.3.

Audience

This guide is written for the user responsible for installing Oracle WebCenter 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 Oracle WebCenter 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.

Oracle Documentation and Resources

This section describes other documentation and resources provided by Oracle.

Resource	Description
Developer Guide	The Developer Guide provides detailed information on implementing and configuring portlets using the JSR-168 Container.
Release Notes	The release notes provide information about new features, issues addressed, and known issues in the release.

Resource	Description
Oracle Technology Network (OTN)	The Oracle Technology Network is the world's largest community of developers, DBAs, and architects using Oracle products and industry-standard technologies. Every day, members collaborate via OTN to share real-world insight, expertise, and best practices on how to build, deploy, manage, and optimize applications. As a member of the Oracle Technology Network you will enjoy access to software downloads, discussion forums, documentation, wikis, podcasts, blogs, plus much more. Access the Oracle Technology Network at http://www.oracle.com/technology/index.html.
Oracle Support	The Oracle Support site provides access to all Oracle support resources including online support, software and patches, technical articles, and contact numbers. Access the Oracle Support site at http://www.oracle.com/support/index.html.

CHAPTER 2

Installation Prerequisites

Before you run the Oracle WebCenter JSR-168 Container installer, complete the following steps:

1. 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.
2. 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 Oracle WebCenter JSR-168 Container.

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

Software Requirements on Unix and Linux

Component	Requirement
Remote Server (Host Computer) Note: IPv6 is not supported. Verify that IPv6 is not enabled prior to installing.	**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 4 Update 5 or RHEL 3 Update 3 (ES & AS) • Solaris 8, 9, and 10 • SUSE Linux 9 on x86 **Application Server:** (must follow the 2.3 servlet specifications) • 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 – Tomcat 6.0.14 with the Java 5.0 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 – Tomcat 6.0.14 with Java 5.0 VM
Portal Software	• Plumtree Foundation 6.0.x • AquaLogic Interaction 6.5.x, 6.1.x • Oracle WebCenter Interaction 10.3.0.0.0

Software Requirements on Windows

Component	Requirement
Remote Server (Host Computer)	**Disk:** 128 MB available **Memory:** 512 MB RAM **Operating System:** Windows 2003 Server **Application Server:** (must follow the 2.3 servlet specifications) • 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 Compatibility	• Plumtree Foundation 6.0.x • AquaLogic Interaction 6.5.x, 6.1.x • Oracle WebCenter Interaction 10.3.0.0.0

CHAPTER 3

Installation

This chapter explains how to install and configure the Oracle WebCenter 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 Oracle WebCenter JSR-168 Container can be installed:

- “Install the Oracle WebCenter JSR-168 Container Samples” on page 3-3

Install Files on Remote Server

Follow the steps below to install the Oracle WebCenter 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 Oracle WebCenter JSR-168 Container zip/tgz distributable to PT_HOME.

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="10.3">

    <path>C:/bea/alui/ptjsr168/10.3</path>
    <configpath>C:/bea/alui/ptjsr168/10.3/settings/config</configpath>

</install>
</product>
```

If the PT_HOME directory did not exist:

Copy the **pthome.xml** file from **<PT_HOME>/ptjsr168/10.3/settings/config** to the root **<PT_HOME>** directory.

Install the Oracle WebCenter JSR-168 Container Samples

To install the Oracle WebCenter JSR-168 Container samples:

1. Deploy the **ali168Samples.war** file from the **<PT_HOME>/ptjsr168/10.3/samples** 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 Oracle WebCenter Interaction installed. For details on importing server packages, see the *Administrator Guide for Oracle WebCenter Interaction*.

   The Oracle WebCenter JSR-168 Container server package is **<PT_HOME>/ptjsr168/**10.3**/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.