Oracle® WebCenter WSRP Consumer

Installation Guide

Release 10g Release 3 (10.3)

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ORACLE

Installation Guide for Oracle WebCenter WSRP Consumer, Release 10g Release 3 (10.3)

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Contents

1. Welcome to the Oracle WebCenter WSRP Consumer

How to Use This Book 1-1

Audience 1-1

Organization. 1-2

Typographical Conventions 1-2

Oracle Documentation and Resources 1-3

2. Installation Prerequisites

Software Requirements 2-2

3. Installation

Granting User and Group Access Rights to Oracle Inventory Directories (Unix) 3-2

Installing the Oracle WebCenter WSRP Consumer Components 3-3

Launching the Oracle WebCenter WSRP Consumer Installer. 3-3

Completing the Installer Wizard Pages 3-4

Starting the Oracle WebCenter WSRP Consumer 3-5

Starting the Oracle WebCenter WSRP Consumer Windows Service 3-5

Starting the Oracle WebCenter WSRP Consumer Unix Daemon 3-6

Importing the Server Package 3-6

Verifying the Installation 3-6

4. Oracle WebCenter Interaction and the WSRP Consumer

Creating a WSRP Portlet in Oracle WebCenter Interaction 4-1

Passing User Properties from Oracle WebCenter Interaction to the WSRP Producer. . 4-2
Enabling Proxy Support in the WSRP Consumer 4-3

CHAPTER 1

Welcome to the Oracle WebCenter WSRP Consumer

This book describes how to install and deploy Oracle WebCenter WSRP Consumer 10.3. It also provides instructions for upgrading to Oracle WebCenter WSRP Consumer 10.3 from earlier versions.

The Oracle WebCenter WSRP Consumer allows you to embed WSRP-portlets in Oracle WebCenter Interaction web applications. The Oracle WebCenter WSRP Consumer acts as the intermediary between the portal and the raw WSRP portlet, known as the WSRP producer. The Oracle WebCenter WSRP Consumer can run on the same platform as the producer, on the portal, or on a middle tier between the portal and the WSRP producers. This allows you felxability in scaling the portal deployment to many business units, each with their own portlets.

How to Use This Book

This guide has been designed to be a quick reference for users with installation experience, while also providing detailed instructions for users installing for the first time.

Audience

This guide is written for the user responsible for installing or upgrading Oracle WebCenter WSRP Consumer. This user must have strong knowledge of the platform operating system, database, web and application servers, and any other third-party software required for installation.

Organization

This guide includes the following chapters:

- This chapter provides information on how to use this guide and describes other resources available to help install, deploy, upgrade, Oracle WebCenter WSRP Consumer.
- Chapter 2, "Installation Prerequisites" provides hardware and software requirements, as well as environmental and third-party software prerequisites. You must read this chapter and meet the prerequisites prior to proceeding to the installation or upgrade.
- Chapter 3, "Installation"provides detailed instructions for installing and configuring Oracle WebCenter WSRP Consumer.
- Chapter 4, "Oracle WebCenter Interaction and the WSRP Consumer" provides instructions for creating and configuring a WSRP portlet in Oracle WebCenter Interaction.

Typographical Conventions

This book uses the following typographical conventions.

Convention	Typeface	Examples/Notes
• Items you need to take action on (such as files or screen elements)	**bold**	• Upload **Procedures.doc** to the portal. • To save your changes, click **Apply Changes**.
• User-defined variables • New terms • Emphasis • Object example names	*italic*	• The migration package file is located in *install_dir*\serverpackages. • *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.

Convention	Typeface	Examples/Notes
• Text you enter • Computer generated text (such as error messages) • Code samples	computer	• Type Marketing as the name of your community. • This script may generate the following error: ORA-00942 table or view does not exist • Example: <setting name="SSOCookieIsSecure"> <value xsi:type="xsd:integer">0</value> </setting>
• Environment variables	ALL_CAPS	• The default location of BEA_HOME is C:\bea.

Oracle Documentation and Resources

This section describes other documentation and resources provided by Oracle.

Resource	Description
Release Notes	The release notes provide information about new features, issues addressed, and known issues in the release.
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 WSRP Consumer 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 on edocs.bea.com.
3. Provision host computers for your deployment and install prerequisite software. For details, see Software Requirements.

Software Requirements

The following tables summarize the operating system and software requirements for Oracle WebCenter WSRP Consumer.

Component	Requirement
Oracle WebCenter WSRP Consumer Host Machine	• AIX 5L 5.3, on POWER3, POWER4, POWER5; 32-bit, 64-bit • HPUX, 11i v3 or v2, on Itanium; 32-bit • Microsoft Windows Server 2003 SP2, Standard, Enterprise or Datacenter, on x86 • RedHat Enterprise Linux ES 4 Update 3 or above, on x86 • Solaris 9 or 10, on SPARC • SUSE SLES 9, on x86
Portal Software	• Oracle WebCenter Interaction 10.3 • AquaLogic Interaction 6.5.x, 6.1.x, 6.0
JVM	• Java 5.0 Update 6 or later

CHAPTER 3

Installation

This chapter describes how to install the Oracle WebCenter WSRP Consumer 10.3.

To install the Oracle WebCenter WSRP Consumer:

1. For installation on UNIX and Linux hosts, grant user and group access rights to Oracle Inventory directories. For details, see “Granting User and Group Access Rights to Oracle Inventory Directories (Unix)” on page 3-2.
2. Install the Oracle WebCenter WSRP Consumer components. For details, see “Installing the Oracle WebCenter WSRP Consumer Components” on page 3-3,
3. Start the Oracle WebCenter WSRP Consumer service or daemon. For details, see “Starting the Oracle WebCenter WSRP Consumer” on page 3-5.
4. Import the Oracle WebCenter WSRP Consumer server package into your Oracle WebCenter Interaction deployment. For details, see “Importing the Server Package” on page 3-6.
5. Verify your installation. For details, see “Verifying the Installation” on page 3-6.

Granting User and Group Access Rights to Oracle Inventory Directories (Unix)

Oracle Inventory contains files that provide the Oracle Universal Installer with the locations of the ORACLE_HOME directories on a particular machine. For Oracle Inventory to function properly, the user that installs Oracle WebCenter Analytics must have access rights to the directories that contain Oracle Inventory's files. This section describes how to run the **ouais.sh** shell script, which sets user and group access rights for these directories.

Note: You do not need to perform this procedure if you are installing Oracle WebCenter WSRP Consumer on Windows.

Note: If you are installing Oracle WebCenter WSRP Consumer on Unix operating systems, you do not need to perform this procedure if, *as the same user that is installing Oracle WebCenter WSRP Consumer*, you have already installed at least one of the following products *on the same machine* on which you are installing Oracle WebCenter WSRP Consumer:

- Oracle WebCenter Interaction 10.3
- Oracle WebCenter Analytics 10.3
- Oracle WebCenter Collaboration 10.3
- Oracle WebCenter Ensemble 10.3
- Oracle WebCenter Interaction Identity Service for LDAP 10.3
- Oracle WebCenter Content Service for Documentum 10.3

To grant user and group access rights to Oracle Inventory directories:

1. Log in to the remote server host computer as the root user.
2. Copy the **ouais.sh** script to the machine onto which you will be installing Oracle WebCenter WSRP Consumer.

   This script is located in the same location as the Oracle WebCenter WSRP Consumer installer file.
3. Change the current directory (cd) to be the directory to which you copied the ouais.sh script.
4. Run the **ouais.sh** shell script.

As arguments to the script, specify the user and group that will be running the Oracle WebCenter WSRP Consumer installer. For example, you would use the following command to run the ouais.sh script from the root shell:

./ouais.sh -u <oracleuser> -g <oraclegroup>

The ouais.sh script creates the Oracle Inventory directory if it did not exist before you ran the script. Additionally, the script grants user and group ownership to the directories that contain the files that are used by Oracle Inventory.

Installing the Oracle WebCenter WSRP Consumer Components

This section describes how to install the Oracle WebCenter WSRP Consumer components. The Oracle WebCenter WSRP Consumer has two components: The main Oracle WebCenter WSRP Consumer service and an Image Service component. The Image Service component must be installed on the Oracle WebCenter Interaction Image Service.

Launching the Oracle WebCenter WSRP Consumer Installer

Launch the Oracle WebCenter WSRP Consumer installer appropriate for your platform:

- On Unix, the installer is **WSRPConsumer_v10-3.sh**.

  Note: The installer is a graphical, X-Windows client when run in interactive mode. If you are running the installer on a remote terminal, verify you DISPLAY is set appropriately.

  Note: For Unix installations, you must run the Oracle WebCenter WSRP Consumer installer as the user that you specified in the procedure "Granting User and Group Access Rights to Oracle Inventory Directories (Unix)" on page 3-2. You specified a user who will run the product installer as an argument to the ouais.sh script.

- On Windows, the installer is **WSRPConsumer_v10-3.exe**.

Completing the Installer Wizard Pages

The following table describes the Oracle WebCenter WSRP Consumer installer wizard pages. The installer wizard pages that appear may vary based on your configuration choices. If the installer setting does not apply to your configuration, the installer does not display the wizard page.

Wizard Page	Description
Introduction	This installer wizard page provides a brief description of the installer and describes how to run the installer in silent mode.
Choose Components	Select the components you are installing on this host. If you have an Oracle WebCenter Interaction portal, the Image Service files must be installed to an Oracle WebCenter Interaction Image Service directory.
Choose Install Folder	The install directory for the Oracle WebCenter WSRP Consumer component. The default is recommended.
Configuration Manager - Port and Password *or* Configuration Manager - Update	If the Configuration Manager is not installed on this host, the Configuration Manager is installed by the installer. Type the port and password for the Configuration Manager. *or* If the Configuration Manager is already installed on this host, you may keep its settings or update the port and password. To update the port and password, check the box next to **Update password and port**. Then, click **Next**.
Path to Image Service Files	Install the Image Service files to the same location as the Oracle WebCenter Interaction Image Service files.
Pre-Installation Summary	Review the installation summary before continuing.

Wizard Page	Description
Launch Configuration Manager	Follow instructions to launch the Configuration Manager and complete configuration of the Oracle WebCenter WSRP Consumer Application Settings. **Note:** Configuration of the WSRP Consumer port is not necessary if the default port is acceptable in your environment. If you change the WSRP Consumer port, you must also change the port in the Remote Server object for the WSRP Consumer. For more information on editing Remote Server objects, consult the Oracle WebCenter Interaction online help.
Application Settings Confirmation	Select **Yes** and confirm that you have updated the Oracle WebCenter WSRP Consumer configuration in the Configuration Manager.
Install Complete	Click **Done** to exit the installer.

Starting the Oracle WebCenter WSRP Consumer

This section describes how to the start the Oracle WebCenter WSRP Consumer.

Starting the Oracle WebCenter WSRP Consumer Windows Service

The Oracle WebCenter WSRP Consumer service is started and stopped using the Windows service manager. To start the Oracle WebCenter WSRP Consumer service:

1. Open the Windows service manager. From Windows, select **Start | Control Panel | Administrator Tools | Services**.
2. Start the *WSRP Consumer*.

Starting the Oracle WebCenter WSRP Consumer Unix Daemon

The Oracle WebCenter WSRP Consumer daemon is started and stopped using a shell script. To start the Oracle WebCenter WSRP Consumer daemon:

1. From your shell, navigate to the Oracle WebCenter WSRP Consumer *bin* directory:

   install_dir/ptwsrp/<version>/bin/

2. Start the Oracle WebCenter WSRP Consumer daemon using wsrpconsumerd.sh:

   ./wsrpconsumerd.sh start

Importing the Server Package

The Oracle WebCenter WSRP Consumer server package creates a Remote Server and a Web Service object for the Oracle WebCenter WSRP Consumer.

In Oracle WebCenter Interaction, import the Oracle WebCenter WSRP Consumer server package. The server package is:

install_dir/ptwsrp/<version>/serverpackages/WSRPConsumerWebService.pte

For details on importing server packages into your portal, see the Oracle WebCenter Interaction online help.

Verifying the Installation

You can verify your installation by navigating to the Oracle WebCenter WSRP Consumer status page. To do this, navigate to

http://*host*:*port*/wsrp/

using a browser. The following message is displayed:

Oracle WebCenter Interaction WSRP Consumer 1.1 is started.

Note: The default port is 21020.

You can further verify the Oracle WebCenter WSRP Consumer by creating a WSRP portlet. For details, see "Creating a WSRP Portlet in Oracle WebCenter Interaction" on page 4-1.

CHAPTER 4

Oracle WebCenter Interaction and the WSRP Consumer

This chapter describes how to use the Oracle WebCenter WSRP Consumer with Oracle WebCenter Interaction. It is divided into the following sections:

- "Creating a WSRP Portlet in Oracle WebCenter Interaction" on page 4-1
- "Passing User Properties from Oracle WebCenter Interaction to the WSRP Producer" on page 4-2
- "Enabling Proxy Support in the WSRP Consumer" on page 4-3

Creating a WSRP Portlet in Oracle WebCenter Interaction

To create a WSRP portlet in your Oracle WebCenter Interaction Portal:

1. In Oracle WebCenter Interaction, go to **Administration**.
2. Click on an Administrative Folder. For example, the WSRP folder.
3. From the **Create Object** drop-down, select **Portlet**.
4. Choose the **WSRP Consumer** web service.
5. Suppress the generated portlet title bar. The Oracle WebCenter WSRP Consumer portlet will render its own portlet title bar. On the **Main Settings** page, check the box next to **Suppress Portlet's title bar**.
6. To configure the portlet, click **Edit**.

7. On the **Administrative Preferences Setup** page, type the URL to your WSRP Producer WSDL in the box under **Enter Service WSDL URL**. The following are publicly available sample WSRP Producers:
   - WebLogic Portal 9

     http://wsrp.bea.com:7001/producer/producer?WSDL
   - WebLogic Portal 8

     http://wsrp.bea.com/portal/producer?WSDL
   - NetUnity

     http://wsrp.netunitysoftware.com/WSRPTestService/WSRPTestService.asmx?Operation=WSDL
   - Oracle

     http://portalstandards.oracle.com/portletapp/portlets?WSDL
8. Click **Import Service WSDL**.
9. Click **Next**.
10. If the WSRP Producer requires you to register, an editor page for registration properties is displayed. If the WSRP Producer does not require you to register, this page is not displayed.

    If you are required to register, edit the registration properties and then click **Register**.
11. On the **Choose a Portlet** page, select a portlet and click **Finish**.
12. On the portlet **Main Settings** page, click **Finish**.

For details on creating and using a portlet in Oracle WebCenter Interaction, see the portal online help.

Passing User Properties from Oracle WebCenter Interaction to the WSRP Producer

User properties from the Oracle WebCenter Interaction are mapped to fields to WSRP Producers

You can map user profile properties from Oracle WebCenter Interaction to fields passed to WSRP Producers by editing the **UserProfile.properties** file. The UserProfile.properties file can be found in your Oracle WebCenter WSRP Consumer install directory:

install_dir\ptwsrp\1.1\settings\config\UserProfile.properties

The WSRP Consumer service must be restarted before changes made to the UserProfile.properties file take effect. Details on how to implement property mapping is found in the comments in the UserProfile.properties file.

Enabling Proxy Support in the WSRP Consumer

If the WSRP SOAP messages between the WSRP producer and the WSRP Consumer go through a specified HTTP proxy, the WSRP Consumer wrapper.conf must be edited to enable HTTP proxy support. The wrapper.conf file can be found here:

install_dir\ptwsrp\1.1\settings\config\wrapper.conf

Follow the instructions in the wrapper.conf file to edit the proxy settings.