

Oracle® Fusion Middleware

Upgrade Guide for Oracle WebCenter Interaction for Microsoft Windows

10g Release 3 (10.3.0.1)

E14551-02

September 2009

This book describes how to upgrade to Oracle WebCenter Interaction for Windows 10g Release 3 (10.3.0.1) from previous versions. It is designed to be a quick reference for users with installation or upgrade experience, while also providing detailed instructions for users upgrading for the first time.

1 Audience

This documentation is written for the user responsible for upgrading this product. This user must have strong knowledge of the platform operating system, database, web and application servers, and any other third-party software required for upgrade.

2 Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at <http://www.oracle.com/accessibility/>.

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

Accessibility of Links to External Web Sites in Documentation

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

Deaf/Hard of Hearing Access to Oracle Support Services

To reach Oracle Support Services, use a telecommunications relay service (TRS) to call Oracle Support at 1.800.223.1711. An Oracle Support Services engineer will handle technical issues and provide customer support according to the Oracle service request process. Information about TRS is available at

<http://www.fcc.gov/cgb/consumerfacts/trs.html>, and a list of phone numbers is available at <http://www.fcc.gov/cgb/dro/trsphonebk.html>.

3 Related Documents

For more information, see the following documents in the Oracle WebCenter Collaboration 10g Release 3 (10.3.0.1) documentation set:

- *Oracle WebCenter Interaction Release Notes*
- *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Interaction*
- *Oracle Fusion Middleware User's Guide for Oracle WebCenter Interaction*

4 Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

5 Prerequisites

This chapter describes the prerequisites that must be met before you upgrade Oracle WebCenter Interaction.

5.1 Software Requirements

The following sections list the software requirements for Oracle WebCenter Interaction.

- [Section 5.1.1, "Requirements for Microsoft Windows Environments"](#)
- [Section 5.1.2, "Supported Web Browsers"](#)

For the most current platform support information, see the BEA AquaLogic User Interaction spreadsheet on the Oracle Product Supported Configurations page at http://download.oracle.com/docs/cd/E13196_01/platform/suppconfigs/index.html.

For more information on recommended configurations based on the size of your implementation, see the section about provisioning computers in the *Oracle Fusion Middleware Deployment Planning Guide for Oracle WebCenter Interaction*.

For client requirements for using Oracle WebCenter Collaboration's Bulk Upload feature, see *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Collaboration*.

Caution: IPv6 is not supported. You should verify that IPv6 is not enabled before upgrading this product.

5.1.1 Requirements for Microsoft Windows Environments

This section lists the requirements for Microsoft Windows environments.

- Operating System:
 - Microsoft Windows 2003 SP2 on x86
- Application Servers:
 - Apache Tomcat 6.0.14 with Sun JDK 1.5.0.1 or BEA jRockit 1.5.0.12
 - Microsoft IIS 6.0 with .NET Framework 2.0, 32-bit
 - Oracle-BEA WebLogic Server 9.2 MP1 with Sun JRE 1.5.0.1 or BEA jRockit 1.5.0.12
 - Oracle-BEA WebLogic Server 10.0 MP1, MP2, or MP3 with Sun JRE 1.5.0.1 or BEA jRockit 1.5.0.12
 - Oracle WebLogic Server 10gR3 (10.3.0) with Oracle JRockit
- Databases:
 - Microsoft SQL Server 2005 or 2005 SP2 with SQL Server 2000 Compatibility Level (32- and 64-bit in default or failover cluster configuration)
 - Oracle 9i Database (9.2.0.7) in default or Oracle Real Application Clusters (RAC) configuration
 - Oracle Database 10g (10.1.0.3) or Oracle Database 10gR2 (10.2.0.x and above) in default or Oracle Real Application Clusters (RAC) configuration
 - Oracle 11g (11.1.0.6 and above) in default or Oracle Real Application Clusters (RAC) configuration

When running Oracle WebCenter Interaction with Oracle 11g with the provided `initPLUM10.ora` file, make the following modification: change `compatible = 10.2.0.0.0` to `compatible = 11.0.0`. Also, to prevent problems with “group by” optimizations when using Oracle WebCenter Interaction with Oracle Database 11g, you must add the following parameter to the bottom of the `init$ORACLE_SID.ora` file: `_optimizer_group_by_placement=false`

Note: If you are upgrading Oracle Database from 10.1.x to 10.2.x or Microsoft SQL Server from 2000 to 2005, you should perform this upgrade before upgrading Oracle WebCenter Interaction.

- Virtualization Systems:
 - Microsoft Virtual Server 2005
 - VMWare ESX 3 and above

5.1.2 Supported Web Browsers

This section lists web browser support.

- Mozilla Firefox 2.0 and 3.0
- Microsoft Internet Explorer 6.0 or 7.0
- Apple Safari 2.0 or 3.0 (Mac and Windows)

5.2 Oracle Environment Variables

This table describes the Oracle Environment variables that must be set when installing Oracle WebCenter products to UNIX or Windows instances of Oracle9i or 10g.

Environment Variable	Description	Example Values
ORACLE_BASE	Must be set to the root directory of your Oracle installation.	<ul style="list-style-type: none">▪ (UNIX) /opt/oracle▪ (Windows) C:\oracle
ORACLE_HOME	Must be set to the home directory of your Oracle installation.	<ul style="list-style-type: none">▪ (UNIX) /opt/oracle/ora92▪ (Windows) C:\oracle\ora92
ORACLE_SID	Must be set to the system ID (SID) of the portal database instance.	<ul style="list-style-type: none">▪ (Oracle9i) PLUM▪ (Oracle Database 10g) PLUM10 <p>Note: PLUM or PLUM10 are expected by the SQL scripts. If you set your SID to a value other than these example values, you must edit the SQL scripts to reflect this change.</p>

6 Upgrading from Oracle WebCenter Interaction 10.3 to Oracle WebCenter Interaction 10.3.0.1

This section provides an outline of the tasks required to upgrade Oracle WebCenter Interaction 10.3 to Oracle WebCenter Interaction 10.3.0.1 on Windows platforms.

1. If you have multiple search nodes in a search cluster, purge the contents of your search cluster.

For details, see [Section 6.1, "Purging the Search Cluster."](#)

2. Shut down your search node(s).

From the Services control panel, stop the BEA ALI Search host_name service.

Note: This must be done on each computer that hosts a search node.

3. Shut down your application server.
4. Upgrade your portal servers, automation servers, document repository, and search server components using the Oracle WebCenter Interaction 10.3.0.1 installer (WebCenterInteraction_Patch_10.3.0.1.0).

For details, see [Section 6.2, "Oracle WebCenter Interaction 10.3.0.1 Installer Wizard Pages on Windows."](#)

5. Restart portal and start your search node(s).

Do not start the automation servers.

6. Rebuild your portal search index.

For details, see [Section 6.3, "Rebuilding the Search Index."](#)

7. Upgrade any other Oracle WebCenter products you have installed using the associated 10.3.0.1 installers.

For example, if you use identity services, content services, Oracle WebCenter Collaboration, Oracle WebCenter Analytics, or any other Oracle WebCenter products, you must also upgrade those products. For details, see the upgrade guides for the associated products.

8. If you are using Oracle WebCenter Collaboration or Oracle-BEA AquaLogic Interaction Publisher, rebuild the associated indexes.

To rebuild the indexes, access the administration utility for each product through your portal. For details, see the following administrator guides:

- *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Collaboration*
- *Administrator Guide for AquaLogic Interaction Publisher*

9. Start your automation servers.

6.1 Purging the Search Cluster

This section describes how to use the `cadmin` tool to purge the search cluster contents.

All nodes in the cluster must be running to purge cluster contents.

1. Log in to any of the computers hosting a cluster node.
2. Change to the directory containing the cluster administration utility.
3. The directory is `install_dir\ptsearchserver\10.3.0\bin\native`
4. Execute `cadmin purge --remove`

6.2 Oracle WebCenter Interaction 10.3.0.1 Installer Wizard Pages on Windows

This table describes the Oracle WebCenter Interaction Windows installer wizard pages.

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.
Installation Folder	Accept the default installation folder or select a different folder in which to install Oracle WebCenter Interaction. Default: <code>C:\bea\alui</code>
Choose Install Set	Select either Complete or Custom . If you select Complete , a full set of Oracle WebCenter Interaction components is installed. If you select Custom , you can select individual portal components to install according to your deployment plan.
Configuration Manager - Update	This page is displayed if an existing installation of Oracle WebCenter Configuration Manager 2.0 is detected. Select if you want to update the password or port information for Oracle WebCenter Configuration Manager or use the existing settings.
Configuration Manager - Port and Password	Enter the port and password for the Configuration Manager web tool. The Configuration Manager is used to complete the installation of Oracle WebCenter Interaction.
Web Application Environment: .NET or Java	Select .NET (IIS) or Java .

Wizard Page	Description
Select IIS Web Site	Select Use Default Web Site if you want the component or components being installed deployed to port 80, the default HTTP port. Select Use another Web site if other applications are using port 80 and you do not want to share the port.
Specify IIS Web Site Information	If you choose to deploy the portal to a Web site other than the default Web site, enter the IIS Web site name and HTTP and HTTPS ports you want to use for accessing the portal. Example Web site name: WCI Example HTTP port: 8082 Example HTTPS port: 9092 Note: If the name you enter is not the name of an existing IIS Web site, a new Web site is created. If the Web site exists, the secure and non-secure ports are changed to the entries made in the installer.
Image Service Compression on IIS	The Enable Image Service HTTP Compression check box is selected by default. Clear the check box if you do not want to use HTTP compression.
Auto-Deployment to a Java Web Application Server	Select a web application server to which you want to auto-deploy the Portal. Select Manual to manually deploy the portal to a web application server.
Tomcat Deployment Information	Enter the directory where the web application configuration files for the Tomcat web application server reside. Example: C:\jakarta-tomcat-5.0.28\conf\Catalina\localhost
Specify WebLogic Deployment Information	Enter the WebLogic home directory, domain home, host name, port, domain, server, administrator user and administrator user password. Note: WebLogic domain and server names are case-sensitive. If the letter casing you enter does not match the running WebLogic domain and server, auto-deployment fails. Click Help for further details on this installer wizard page.
Image Service: Auto-Deployment to Apache	Select Apache to have the Image Service automatically deployed to Apache. Select Manual if you prefer to use a Web server other than Apache.
Apache Deployment Information	Enter the Apache configuration directory. Example directory: C:\Program Files\Apache Group\Apache2\conf\ Enter the Apache Windows service name. Example name: Apache2
Stand-alone or Cluster	Select whether you would like to install a Single Stand-alone Search Node or add or replace a Search Cluster Node . Selecting to install the stand-alone search node installs a single node on the local computer. If you want to support failover, add or replace search cluster nodes.
Search Cluster Files	Select the location of the Search Cluster files. You must have permission to access and write to the location where you want to install these files. Note: Search Cluster files are installed only if they do not exist in the directory you select. Example: C:\bea\alui\ptsearchserver\10.3.0\cluster

Wizard Page	Description
Search node user name and password	Enter the user name and password for the Microsoft Windows user that will run the search node. This user must be in domain\user format and must have write access to the search cluster directory specified on the previous page. If you are using a local user, enter the computer name as the domain.
Overwrite Search node	If an existing search node is detected, you can select whether you want to overwrite it. If you want to overwrite the existing search node, select Overwrite Search Node .
Pre-Installation Summary	Review the list of components to be installed. Click Install .
Launch Configuration Manager	<p>Launch the Configuration Manager.</p> <p>The Configuration Manager is located at: https://host:port Where <i>host</i> is the host you are installing on and <i>port</i> is the port you specified.</p> <p>Log in to the Configuration Manager using the user name <code>administrator</code> and the password you specified on the Configuration Manager – Port and Password page.</p> <p>The Configuration Manager displays a list of all recently installed components. Clicking the link next to each component leads you through the settings you must configure to complete the installation. For information on the settings in the Configuration Manager, refer to the Configuration Manager online help or to the <i>Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Interaction</i>.</p> <p>When you have completed all Configuration Manager tasks, return to the installer and click Done.</p>

6.3 Rebuilding the Search Index

This section describes the proper procedure for rebuilding your Search index.

Note: We do not recommend clicking **Run Once** from the administrative folder or selecting **Run Once** from the Job Editor. If you click **Run Once** from the administrative folder, the job log is not available in the Job Editor, which may inhibit troubleshooting if the rebuild fails. If you select **Run Once** from within the Job Editor, the **Search Update Agent** will not be scheduled to run again in the future.

1. Log in to the portal as the administrator.
2. Click **Administration**.
3. From the **Select Utility** drop-down menu, select **Search Service Manager**.
4. Schedule the next search repair to occur either in the past or in the very near future.
5. Click **Finish**.
6. Navigate to the administrative folder that contains the search update agents that are registered with the Automation Service.
7. Schedule a search update agent to run in the past or in the very near future.

8. Click Finish.

The next search update agent that runs rebuilds the search index.

Oracle Fusion Middleware Upgrade Guide for Oracle WebCenter Interaction for Windows, 10g Release 3 (10.3.0.1)
E14551-02

Copyright © 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.