



Oracle[®]
WebCenter
Interaction
**Installation Guide for
Windows**

Version 10g Release 3 (10.3.0.0.1)
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4. Uninstalling Oracle WebCenter Interaction 10.3



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Oracle WebCenter Interaction Installation Guide for Windows, 10g Release 3 (10.3)

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About This Guide

This documentation describes how to install and deploy Oracle WebCenter Interaction 10.3. It is designed to be a quick reference for users with installation experience, while also providing detailed instructions for users installing for the first time.

This guide is organized as follows:

- This section provides information on the intended audience of this documentation, typographical conventions used in this guide, and a list of other Oracle documentation and resources related to this product.
- *Installation Prerequisites* on page 11 describes software requirements and other prerequisites to installation.
- *Installation* on page 17 describes how to install and configure Oracle WebCenter Interaction components.
- *Uninstalling Oracle WebCenter Interaction 10.3* on page 45 describes how to uninstall Oracle WebCenter Interaction.

Audience

This documentation is written for the user responsible for installing or 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 installation

Oracle Documentation and Resources

The following documentation and resources are available from Oracle.

Table 1: Documentation

Resource	Description
Installation Guide for Windows	<p>This guide describes the prerequisites (such as required software) and procedures for installing Oracle WebCenter Interaction 10.3 on Windows machines.</p> <p>It is available on the Oracle Technology Network at http://download.oracle.com/docs/cd/E13158_01/alui/wci/docs103/index.html.</p>
Installation Guide for Unix and Linux	<p>This guide describes the prerequisites (such as required software) and procedures for installing Oracle WebCenter Interaction 10.3 on Unix and Linux machines.</p> <p>It is available on the Oracle Technology Network at http://download.oracle.com/docs/cd/E13158_01/alui/wci/docs103/index.html.</p>
Upgrade Guide for Windows	<p>This guide describes the prerequisites (such as required software) and procedures for upgrading from AquaLogic Interaction 6.5 MP1 to Oracle WebCenter Interaction 10.3 on Windows machines.</p> <p>It is available on the Oracle Technology Network at http://download.oracle.com/docs/cd/E13158_01/alui/wci/docs103/index.html.</p>
Upgrade Guide for Unix and Linux	<p>This guide describes the prerequisites (such as required software) and procedures for upgrading from AquaLogic Interaction 6.5 MP1 to Oracle WebCenter Interaction 10.3 on Unix and Linux machines.</p> <p>It is available on the Oracle Technology Network at http://download.oracle.com/docs/cd/E13158_01/alui/wci/docs103/index.html.</p>
Release Notes	<p>The release notes provide information about new features, issues addressed, and known issues in the release.</p> <p>They are available on the Oracle Technology Network at http://download.oracle.com/docs/cd/E13158_01/alui/wci/docs103/index.html.</p>

Resource	Description
Administrator Guide	<p>This guide describes how to manage, maintain, and troubleshoot Oracle WebCenter Interaction.</p> <p>It is available on the Oracle Technology Network at http://download.oracle.com/docs/cd/E13158_01/ahui/wci/docs103/index.html.</p>
User Guide	<p>This guide describes how end-users browse and interact with Oracle WebCenter Interaction.</p> <p>It is available on the Oracle Technology Network at http://download.oracle.com/docs/cd/E13158_01/ahui/wci/docs103/index.html.</p>
Online Help	<p>The online help is written for all levels of Oracle WebCenter Interaction users. It describes the user interface for Oracle WebCenter Interaction and gives detailed instructions for completing tasks in Oracle WebCenter Interaction.</p> <p>To access online help, click the help icon.</p>

Table 2: Other Resources

Resource	Description
Oracle Technology Network (OTN)	<p>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.</p> <p>As a member of the Oracle Technology Network you will enjoy access to software downloads, discussion forums, documentation, wikis, podcasts, blogs, plus much more.</p> <p>Access the Oracle Technology Network at http://www.oracle.com/technology/index.html.</p>

Resource	Description
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 .



Installation Prerequisites

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

Software Requirements

This topic describes the software prerequisites for Oracle WebCenter Interaction 10.3 on Windows platforms.

The following table summarizes operating system, database, and other software requirements of Oracle WebCenter Interaction. For the most current platform support information, see the Interoperability Matrix in the Product Center at one.bea.com/support.

Component	Requirement
Oracle WebCenter Interaction Host Machine	<ul style="list-style-type: none"> <li data-bbox="740 1298 1220 1355">• Microsoft Windows Server 2003 SP2, on x86 <p data-bbox="740 1385 1243 1538">Note: If you are running Oracle WebCenter Interaction on .NET, you must configure the portal host machine to run using 3GB of virtual memory. For details, see the documentation for your version of Microsoft Windows.</p>

Component	Requirement
Database Server Host Machine	<ul style="list-style-type: none"> • 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 (9.2.0.7) in default or Oracle RAC configuration • Oracle 10g (10.1.0.3) or Oracle 10g R2 (10.2.0.x and above) in default or Oracle RAC configuration • Oracle 11g (11.1.0.6 and above) in default or Oracle RAC configuration
Web Application Server	<ul style="list-style-type: none"> • Apache Tomcat 6.0.14 with Sun JDK 1.5.0.1 or Oracle jRockit 1.5.0.12 • Oracle-BEA WebLogic 9.2 MP1 with Sun JRE 1.5.0.1 or Oracle jRockit 1.5.0.12 • Oracle-BEA WebLogic 10.0 MP1, MP2, or MP3 with Sun JRE 1.5.0.1 or Oracle jRockit 1.5.0.12 • Oracle WebLogic 10gR3 (10.3.0) with Oracle jRockit • Microsoft IIS 6.0 with .NET Framework 2.0, 32-bit
Virtualization System	<ul style="list-style-type: none"> • VMWare ESX 3 and above • Microsoft Virtual Server 2005
Browser	<ul style="list-style-type: none"> • Microsoft Internet Explorer 6.0, 6.0 SP1, 6.0 SP2 (on XP), 7.0 (on Vista), or 7.0 SP2 (on XP SP2) • Firefox 2.0 or 3.0 • Safari 2.0



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 Oracle 9i 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">• (Oracle 9i) PLUM• (Oracle 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>

Preparing WebLogic for Oracle WebCenter Interaction

This topic describes how to configure WebLogic Server for use with the Oracle WebCenter Interaction portal application.

WebLogic Basic Authentication must be disabled for the Oracle WebCenter Interaction portal application on WebLogic Server. To do this, in the WebLogic `config.xml` for the Oracle



WebCenter Interaction portal, set `<enforce-valid-basic-auth-credentials>` to `false`.

1. Disable WebLogic Basic Authentication for the Oracle WebCenter Interaction portal application. To do this, in the WebLogic `config.xml` for the Oracle WebCenter Interaction portal, set `<enforce-valid-basic-auth-credentials>` to `false`.

```
<security-configuration>
  ...
  <enforce-valid-basic-auth-credentials>
    false
  </enforce-valid-basic-auth-credentials>
</security-configuration>
```

2. On AIX, HP-UX, and Solaris, verify that your WebLogic domain is configured to use a valid 64-bit Java SDK.
3. On AIX, HP-UX, and Solaris, add `-d64` to your domain's `JAVA_OPTIONS`.

To do this, edit the `setDomainEnv.sh` script for your domain. Find where `JAVA_OPTIONS` is set, near the end of the file, and add the `-d64` flag.

For example:

```
#JAVA_OPTIONS="${JAVA_OPTIONS}"
JAVA_OPTIONS="-d64 ${JAVA_OPTIONS}"
export JAVA_OPTIONS
```

4. Increase the JVM's `MaxPermSize`.

A `MaxPermSize` of `256m` is recommended. If `MaxPermSize` is set too low, you will see `java.lang.OutOfMemoryError: PermGen space` when attempting to start the portal.

To increase `MaxPermSize`, edit the `setDomainEnv.sh` script for your domain. Find where `MaxPermSize` is being set for your `JAVA_VENDOR`, and set it to `256m`.

For example:

```
if [ "${JAVA_VENDOR}" = "HP" ] ; then
  #MEM_ARGS="${MEM_ARGS} -XX:MaxPermSize=128m"
  MEM_ARGS="${MEM_ARGS} -XX:MaxPermSize=256m"
  export MEM_ARGS
fi
```

Preparing Tomcat for Oracle WebCenter Interaction

This topic describes configuration of Tomcat required prior to the installation and deployment of Oracle WebCenter Interaction.

1. Create the directory `tomcat_home/conf/Catalina/localhost`, if necessary.
On a fresh install of Tomcat 6.0, this directory might not exist. If the directory does not exist, you must create it.
2. On AIX, HP-UX, and Solaris, verify that Tomcat is configured to use a valid 64-bit Java SDK.
3. On AIX, HP-UX, and Solaris, add `-d64` to Tomcat's Java options.

To do this, edit your Tomcat `catalina.sh` script. Add `-d64` to the `JAVA_OPTS` environment variable.

For example:

```
JAVA_OPTS="-d64 ${JAVA_OPTS}"  
Export $JAVA_OPTS
```


Installation

This chapter describes how to install the Oracle WebCenter Interaction components; script, create, and configure your database; and verify the installation.

Installing the Oracle WebCenter Interaction Components

This topic describes how to use the Oracle WebCenter Interaction 10.3 installer to install Oracle WebCenter Interaction components on Windows.

Note: Oracle WebCenter Interaction requires Microsoft Visual Studio C++ 2005 SP1 Runtime Libraries. If you do not have these libraries, you are given the option to let the installer install the EN localized version of these libraries.

1. Log into the host as the local Administrator.
2. Launch the Oracle WebCenter Interaction installer.

The installer file is named `WebCenterInteraction_10.3.0.0.0.exe`

3. Complete the installer wizard pages.

For details, see *Oracle WebCenter Interaction 10.3 Installer Wizard Pages on Windows* on page 18

4. If necessary, deploy the portal application to your Java application server.

If you are installing Oracle WebCenter Interaction to a Java application server and the portal was not autodeployed, you must manually deploy the portal WAR or EAR to your application server

The portal WAR and EAR are located in `install_dir\ptportal\10.3.0\webapp\`

- If you are deploying to Tomcat, deploy `portal.war`.
- If you are deploying to WebLogic or WebSphere, deploy `portal.ear`.

Oracle WebCenter Interaction 10.3 Installer Wizard Pages on Windows

This topic 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>
Upgrade Information	Indicates previously installed versions of portal products.
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 - Port and Password	Enter the port and password for the Configuration Manager web tool. The



Wizard Page	Description
Web Application Environment: .NET or Java	<p>Configuration Manager will be used to complete the installation of Oracle WebCenter Interaction.</p> <p>Select .NET (IIS) or Java.</p>
Auto-Deployment to a Java Web Application Server	<p>Select a web application server to which you want to auto-deploy the Portal.</p> <p>Select Manual to manually deploy the portal to a web application server.</p>
Tomcat Deployment Information	<p>Enter the directory where the web application configuration files for the Tomcat web application server reside.</p> <p>Example: C:\jakarta-tomcat-5.0.28\conf\Catalina\localhost</p>
Specify WebLogic Deployment Information	<p>Enter the WebLogic home directory, domain home, host name, port, domain, server, administrator user and administrator user password.</p> <p>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.</p> <p>Click Help for further details on this installer wizard page.</p>
Specify WebSphere Deployment Information	<p>Enter the WebSphere home directory, host name, SOAP port and application server name.</p> <p>Note: If you change the default host or application server, the host and application server you enter must already exist.</p>
Image Service: Auto-Deployment to Apache	<p>Select Apache to have the Image Service automatically deployed to Apache.</p>



Wizard Page	Description
Apache Deployment Information	<p>Select Manual if you prefer to use a Web server other than Apache.</p> <p>Enter the Apache configuration directory.</p> <p>Example directory: C:\Program Files\Apache Group\Apache2\conf\</p> <p>Enter the Apache Windows service name.</p> <p>Example name: Apache2</p>
Select IIS Web Site	<p>Select Use Default Web Site if you want the component or components being installed deployed to port 80, the default HTTP port.</p> <p>Select Use another Web site if other applications are using port 80 and you do not want to share the port.”</p>
Specify IIS Web Site Information	<p>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.</p> <p>Example Web site name: WCI</p> <p>Example HTTP port: 8082</p> <p>Example HTTPS port: 9092</p> <p>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 already exists, the secure and non-secure ports will be changed to the entries made in the installer.</p>
Image Service Compression on IIS	<p>The Enable Image Service HTTP Compression checkbox is selected by default. Clear the checkbox if you do not want to use HTTP compression.</p>



Wizard Page	Description
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 machine. If you want to support failover, add or replace search cluster nodes.
Search Nodes	Select to add a new search node or replace an existing node. Note: Selecting to replace an existing node removes all information about the node that you are replacing from the system.
Adding New Search Node	Enter the name and port number of the new search node. The search node is installed into C:\bea\alui\ptsearchserver\10.3.0.
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. Search cluster files are only installed if they do not already exist in the location that you select. Example: C:\bea\alui\ptsearchserver\10.3.0\cluster
Pre-Installation Summary	Review the list of components to be installed. Click Install .
Launch Configuration Manager	Launch the Configuration Manager. The Configuration Manager is located at: <code>https://host:port</code> Where <i>host</i> is the host you are installing on and <i>port</i> is the port you specified.



Wizard Page	Description
	<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 need to 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>Administrator Guide for Oracle WebCenter Interaction</i>.</p> <p>When you have completed all Configuration Manager tasks, return to the installer and click Done.</p>

Creating and Configuring a DB2 Database on Unix

This section describes how to create and configure the portal database on DB2.

You must do the following before you create and configure your DB2 database.

- Oracle WebCenter Interaction, Oracle WebCenter Collaboration, and ALUI Directory must share the same DB2 database.
- Have your DB2 DBA examine and, if necessary, customize the SQL scripts before you use them. Each SQL file contains comments that describe what customization might be necessary.

Note: The DB2 SQL scripts use a hard-coded schema name, `ALUI`. If the schema name is changed in the scripts, you must use Configuration Manager to update the schema name setting for Portal Service, Automation Service, ALI API Service, and ALUI Directory.

1. Copy SQL scripts from the Oracle WebCenter Interaction install directory to your DB2 server.

The Oracle WebCenter Interaction installer creates the scripts in the following directories:

- For scripts pertaining to the main portal application,
`install_dir/ptportal/10.3.0/sql/db2`
 - For scripts pertaining to ALUI Directory,
`install_dir/ptportal/10.3.0/sql/db2`
2. Use the DB2 command line processor to run the portal SQL scripts against your DB2 database.

The scripts must be run in this order:

1. `create_alui_schema.sql`
2. `grant_alui_user.sql`
3. `create_alui_tablespace_unix.sql`
4. `create_tables_db2.sql`
5. `load_seed_info_db2.sql`

Run `create_alui_schema.sql`, `grant_alui_user.sql`, and `create_alui_tablespace_unix.sql` as an operating system user with DBADMIN privileges. All other scripts may be run by a DBADMIN user or the ALI user.

Note: Comments in the header of each SQL file contain recommended syntax for the DB2 command line processor.

3. Run the `run_stored_procs.sh` shell script.
4. Use the DB2 command line processor to run the `postinst_db2.sql` script.
5. If you have configured DB2 to skip automatic statistics collection, run `statistics_build.sql`.
6. Use the DB2 command line processor to run the ALUI Directory SQL scripts against your DB2 database.

The scripts must be run in this order:

1. `create_tables.sql`
2. `create_functions.sql`
3. `map_alidb_103.sql`

Creating and Configuring an Oracle Database on Unix

This section describes how to create and configure the Oracle WebCenter Interaction portal database on Oracle and Unix.

1. Verify that the Oracle environment variables are properly set.

For details, see [Oracle Environment Variables](#) on page 13 .

2. Copy the SQL scripts from the Oracle WebCenter Interaction installation directory to your Oracle server.

- For Oracle 9i, the Oracle WebCenter Interaction installer creates the SQL scripts in the following directories:

- `install_dir/ptportal/10.3.0/sql/oracle_unix9.2`
- `install_dir/aluidirectory/1.0/sql/oracle`

- For Oracle 10g or 11g, the Oracle WebCenter Interaction installer creates the SQL scripts in the following directories:

- `install_dir/ptportal/10.3.0/sql/oracle_unix10`
- `install_dir/aluidirectory/1.0/sql/oracle`

3. Configure the portal database, tablespace, and user.

- If you are creating a new Oracle 9i database for the Oracle WebCenter Interaction schema, see [Creating the Portal Database for Oracle 9i On Unix](#) on page 25
- If you are creating a new Oracle 10g or 11g database for the Oracle WebCenter Interaction schema, see [Creating the Portal Database for Oracle 10g or 11g On Unix](#) on page 26
- If you are creating the Oracle WebCenter Interaction tablespace and schema within an existing Oracle database, see [Creating the Portal Tablespace for Oracle On Unix](#) on page 28

4. Create the portal schema and initialize the portal database.

For details, see [Creating the Portal Schema for Oracle on Unix](#) on page 28

Creating the Portal Database for Oracle 9i On Unix

This topic describes how to create and configure the portal database, tablespace, and user on Oracle 9i.

Note: These steps create a new, dedicated portal database. If you are creating the portal tablespace within an existing database, see [Creating the Portal Tablespace for Oracle On Unix](#) on page 28

The following must be done prior to scripting the database:

- Log into the portal database host machine as the owner of the Oracle system files.
- Verify that ORACLE_BASE, ORACLE_HOME, and ORACLE_SID are set appropriately.

For details, see [Oracle Environment Variables](#) on page 13

- If this is a re-creation of a database or a retry of a prior failed attempt, delete the old database file.

1. Create and configure the portal database.

- a) Create the sys password.

```
For example: $ $ORACLE_HOME/bin/orapwd  
file=$ORACLE_HOME/database/orapwPLUM password=password
```

- b) Create the PLUM directory under \$ORACLE_BASE/oradata
- c) Create a link to initPLUM.ora in \$ORACLE_HOME/database

2. Create the portal database instance.

- a) From \$ORACLE_BASE/admin/\$ORACLE_SID/plumtreescripts, start sqlplus using the /nolog parameter.
- b) Run the crdb1_oracle_unix.sql script to create and start the new database instance.

This script should generate no errors. Output from the script is saved in the file crdb1.lst in the plumtree scripts directory.

The database should now be running.

- c) Verify that the correct data files have been created.

In \$ORACLE_BASE/oradata/\$ORACLE_SID you should see the following:

- systPLUM.dbf
- undo1A.dbf
- temp1A.dbf (single disk installation only.)

3. Create the portal tablespace and user.

- a) Run the `crdb2_oracle_unix.sql` script to create tablespaces, create the portal database user, and perform low level database tuning.

This script can take a significant amount of time to complete. The following errors might be generated:

```
ORA-00942 table or view does not exist
ORA-1432/ORA-1434 public synonym to be dropped does not exist
```

These errors are acceptable. Any other errors are not acceptable. Output from the script is saved in the file `crdb1.lst` in the `plumtree scripts` directory.

- b) Verify that the correct data files have been created.

In `$ORACLE_BASE/oradata/$ORACLE_SID` you should see the following:

- `PLUMtbl1.dbf`
- `PLUMtmp1.dbf`
- `PLUMidx1.dbf` (single disk installation only.)

Creating the Portal Database for Oracle 10g or 11g On Unix

This topic describes how to create and configure the portal database, tablespace, and user on Oracle 10g or 11g.

Note: These steps create a new, dedicated portal database. If you are creating the portal tablespace within an existing database, see [Creating the Portal Tablespace for Oracle On Unix](#) on page 28

The following must be done prior to scripting the database:

- Log into the portal database host machine as the owner of the Oracle system files.
- Verify that `ORACLE_BASE`, `ORACLE_HOME`, and `ORACLE_SID` are set appropriately.

For details, see [Oracle Environment Variables](#) on page 13

- If this is a re-creation of a database or a retry of a prior failed attempt, delete the old database file.

1. Create and configure the portal database.

- a) Create the `sys` password.

For example: `$ $ORACLE_HOME/bin/orapwd
file=$ORACLE_HOME/database/orapwPLUM10 password=password`

- b) Create the PLUM10 directory under `$ORACLE_BASE/oradata`
- c) Create a link to `initPLUM10.ora` in `$ORACLE_HOME/database`

2. Create the portal database instance.

- a) From `$ORACLE_BASE/admin/$ORACLE_SID/plumtreescripts`, start sqlplus using the `/nolog` parameter.
- b) Run the `crdb1_oracle_unix.sql` script to create and start the new database instance.

This script should generate no errors. Output from the script is saved in the file `crdb1.lst` in the `plumtree scripts` directory.

The database should now be running.

- c) Verify that the correct data files have been created.

In `$ORACLE_BASE/oradata/$ORACLE_SID` you should see the following:

- `systPLUM10.dbf`
- `undo1A.dbf`
- `temp1A.dbf` (single disk installation only.)

3. Create the portal tablespace and user.

- a) Run the `crdb2_oracle_unix.sql` script to create tablespaces, create the portal database user, and perform low level database tuning.

This script can take a significant amount of time to complete. The following errors may be generated:

```
ORA-00942 table or view does not exist  
ORA-1432/ORA-1434 public synonym to be dropped does not exist
```

These errors are acceptable. Any other errors are not acceptable. Output from the script is saved in the file `crdb1.lst` in the `plumtree scripts` directory.

- b) Verify that the correct data files have been created.

In `$ORACLE_BASE/oradata/$ORACLE_SID` you should see the following:

- `PLUM10tb11.dbf`
- `PLUM10tmp1.dbf`
- `PLUM10idx1.dbf` (single disk installation only.)

Creating the Portal Tablespace for Oracle On Unix

This topic describes how to create and configure the portal tablespace and user.

Note: These steps create the portal tablespace within an existing database. If you are creating a new, dedicated portal database, see [Creating and Configuring an Oracle Database on Unix](#) on page 24

The following must be done prior to scripting the database:

- Log into the portal database host machine as the owner of the Oracle system files.
- Verify that ORACLE_BASE, ORACLE_HOME, and ORACLE_SID are set appropriately.

For details, see [Oracle Environment Variables](#) on page 13

1. Connect to your database as a user with sysdba rights.
2. Create the portal tablespace and DB user.
 - a) From `$ORACLE_BASE/admin/$ORACLE_SID/plumtreescripts`, start sqlplus using the `/nolog` parameter.
 - b) Run the `create_ali_tablespace_unix.sql` script to create the portal tablespace.
 - c) Run the `create_ali_user_oracle.sql` script to create the portal schema user

Creating the Portal Schema for Oracle on Unix

Prior to creating the portal schema you must configure the database, tablespace, and database user.

For details on Oracle 9i, see [Creating the Portal Database for Oracle 9i On Unix](#) on page 25

For details on Oracle 10g, see [Creating the Portal Database for Oracle 10g or 11g On Unix](#) on page 26

This section describes how to create the portal schema.

1. Create the Oracle WebCenter Interaction tables, indexes, and stored procedures.
Create the Oracle WebCenter Interaction tables, indexes, and stored procedures by running the `init_ali_db_oracle.sql` script. You must run this script as the portal database user that you created.

Output from the script is saved in the following files in the scripts directory:

- `create_tables_oracle.lst`
 - `stored_procs_oracle.lst`
 - `load_seed_info.lst`
 - `postinst.lst`
2. (Optional) Create an Oracle SPFILE.
For the benefits of using an SPFILE, refer to Oracle documentation.
To create the SPFILE, run the `create_spfile_oracle_unix.sql` script.
 3. Create the ALUI Directory tables.
Run the following scripts in order:
 1. `create_tables.sql`
 2. `create_functions.sql`
 3. `map_alidb_103.sql`

Creating and Configuring an Oracle Database on Windows

This section describes how to create and configure the Oracle WebCenter Interaction portal database on Oracle and Windows.

1. Verify that the Oracle environment variables are properly set.
For details, see *Oracle Environment Variables* on page 13
2. Copy the SQL scripts from the Oracle WebCenter Interaction installation directory to your Oracle server.
 - For Oracle 9i, the Oracle WebCenter Interaction installer creates the SQL scripts in the following directories:
 - `install_dir\ptportal\10.3.0\sql\oracle_nt9.2`
 - `install_dir\aluidirectory\1.0\sql\oracle`
 - For Oracle 10g or 11g, the Oracle WebCenter Interaction installer creates the SQL scripts in the following directories:
 - `install_dir\ptportal\10.3.0\sql\oracle_nt10`

- `install_dir\aluidirectory\1.0\sql\oracle`

3. Configure the portal database, tablespace, and user.

- If you are creating a new Oracle 9i database for the Oracle WebCenter Interaction schema, see [Creating the Portal Database for Oracle 9i On Windows](#) on page 30
- If you are creating a new Oracle 10g or 11g database for the Oracle WebCenter Interaction schema, see [Creating the Portal Database for Oracle 10g or 11g On Windows](#) on page 32
- If you are creating the Oracle WebCenter Interaction tablespace and schema within an existing Oracle database, see [Creating the Portal Tablespace for Oracle On Windows](#) on page 33

4. Create the portal schema and initialize the portal database.

For details, see [Creating the Portal Schema for Oracle on Windows](#) on page 34

5. Start the Oracle Listener for the portal database.

Creating the Portal Database for Oracle 9i On Windows

This topic describes how to create and configure the portal database, tablespace, and user on Oracle 9i.

Note: These steps create a new, dedicated portal database. If you are creating the portal tablespace within an existing database, see [Creating the Portal Tablespace for Oracle On Windows](#) on page 33

The following must be done prior to scripting the database:

- Log into the portal database host machine.
- Verify that `ORACLE_BASE`, `ORACLE_HOME`, and `ORACLE_SID` are set appropriately.

For details, see [Oracle Environment Variables](#) on page 13

- If this is a re-creation of a database or a retry of a prior failed attempt, delete the old database file.
1. Register the portal SID in the registry by running `RegisterSIDPLUM.reg`.
`RegisterSIDPLUM.reg` is in the directory on the Oracle Database server to which you copied the scripts.
 2. Create and configure the portal database.

- a) Create the PLUM directory under %ORACLE_BASE%\oradata
 - b) Copy `initPLUM.ora` to %ORACLE_HOME%\database
3. Run `CreateService.bat` with the argument `PLUM password` .
4. Create the portal database instance.
- a) From %ORACLE_BASE%\admin\%ORACLE_SID%\plumtreescripts, start `sqlplus` using the `/nolog` parameter.
 - b) Run the `crdb1_oracle_nt.sql` script to create and start the new database instance.
 This script should generate no errors. Output from the script is saved in the file `crdb1.lst` in the `plumtree` scripts directory.
 The database should now be running.
 - c) Verify that the correct data files have been created.
 In %ORACLE_BASE%\database you should see the following:
 - `systPLUM.dbf`
 - `undo1A.dbf`
 - `temp1A.dbf` (single disk installation only.)
5. Create the portal tablespace and user.
- a) Run the `crdb2_oracle_nt.sql` script to create tablespaces, create the portal database user, and perform low level database tuning.
 This script can take a significant amount of time to complete. The process may generate the following errors:

```
ORA-00942 table or view does not exist
ORA-1432/ORA-1434 public synonym to be dropped does not exist
```

 These errors are acceptable. Any other errors are not acceptable. Output from the script is saved in the file `crdb1.lst` in the `plumtree` scripts directory.
 - b) Verify that the correct data files have been created.
 In %ORACLE_BASE%\database you should see the following:
 - `PLUMtbl1.dbf`
 - `PLUMtmp1.dbf`
 - `PLUMidx1.dbf` (single disk installation only.)

Creating the Portal Database for Oracle 10g or 11g On Windows

This topic describes how to create and configure the portal database, tablespace, and user on Oracle 10g or 11g.

Note: These steps create a new, dedicated portal database. If you are creating the portal tablespace within an existing database, see [Creating the Portal Tablespace for Oracle On Windows](#) on page 33

The following must be done prior to scripting the database:

- Log into the portal database host machine.
- Verify that `ORACLE_BASE`, `ORACLE_HOME`, and `ORACLE_SID` are set appropriately.

For details, see [Oracle Environment Variables](#) on page 13

- If this is a re-creation of a database or a retry of a prior failed attempt, delete the old database file.

1. Register the portal SID in the registry by running `RegisterSIDPLUM10.reg`.

`RegisterSIDPLUM10.reg` is in the directory on the Oracle Database server to which you copied the scripts.

2. Create and configure the portal database.

a) Create the `PLUM` directory under `%ORACLE_BASE%\oradata`

b) Copy `initPLUM10.ora` to `%ORACLE_HOME%\database`

3. Run `CreateService.bat` with the argument `PLUM10 password`.

4. Create the portal database instance.

a) From `%ORACLE_BASE%\admin%\ORACLE_SID%\plumtreescripts`, start `sqlplus` using the `/nolog` parameter.

b) Run the `crdbl_oracle_nt.sql` script to create and start the new database instance.

This script should generate no errors. Output from the script is saved in the file `crdbl.lst` in the `plumtree scripts` directory.

The database should now be running.

- c) Verify that the correct data files have been created.

In `%ORACLE_BASE%\database` you should see the following:

- `systPLUM.dbf`

- undolA.dbf
- temp1A.dbf (single disk installation only.)

5. Create the portal tablespace and user.

- a) Run the `crdb2_oracle_nt.sql` script to create tablespaces, create the portal database user, and perform low level database tuning.

This script can take a significant amount of time to complete. The process may generate the following errors:

```
ORA-00942 table or view does not exist
ORA-1432/ORA-1434 public synonym to be dropped does not exist
```

These errors are acceptable. Any other errors are not acceptable. Output from the script is saved in the file `crdbl.lst` in the `plumtree scripts` directory.

- b) Verify that the correct data files have been created.

In `%ORACLE_BASE%\database` you should see the following:

- PLUMtbl1.dbf
- PLUMtmp1.dbf
- PLUMidx1.dbf (single disk installation only.)

Creating the Portal Tablespace for Oracle On Windows

Note: These steps create the portal tablespace within an existing database. If you are creating a new, dedicated portal database, see [Creating the Portal Schema for Oracle on Windows](#) on page 34

- Log into the portal database host machine as the owner of the Oracle system files.
 - Verify that `ORACLE_BASE`, `ORACLE_HOME` and `ORACLE_SID` are set appropriately. For details, see
1. Connect to your database as a user with sysdba rights.
 2. Create the portal tablespace and DB user.
 - a) From `%ORACLE_BASE%\admin\%ORACLE_SID%\plumtreescripts`, start sqlplus using the `/nolog` parameter.
 - b) Run the `create_ali_tablespace_nt.sql` script to create the portal tablespace.

- c) Run the `create_ali_user_oracle.sql` script to create the portal schema user

Creating the Portal Schema for Oracle on Windows

Prior to creating the portal schema you must configure the database, tablespace, and database user.

For details on Oracle 9i, see *Creating the Portal Database for Oracle 9i On Windows* on page 30

For details on Oracle 10g, see *Creating the Portal Database for Oracle 10g or 11g On Windows* on page 32

This section describes how to create the portal schema.

1. Create the Oracle WebCenter Interaction tables, indexes, and stored procedures.

Create the Oracle WebCenter Interaction tables, indexes, and stored procedures by running the `init_ali_db_oracle.sql` script. This script must be run as the portal database user you created.

Output from the script is saved in the following files in the scripts directory:

- `create_tables_oracle.lst`
- `stored_procs_oracle.lst`
- `load_seed_info.lst`
- `postinst.lst`

2. (Optional) Create an Oracle SPFILE.

For the benefits of using an SPFILE, refer to Oracle documentation.

To create the SPFILE, run the `create_spfile_oracle_nt.sql` script.

3. Create the ALUI Directory tables.

Run the following scripts in order:

1. `create_tables.sql`
2. `create_functions.sql`
3. `map_alidb_103.sql`

Creating and Configuring a Microsoft SQL Server Database

This topic provides an overview of how to create and configure the Oracle WebCenter Interaction portal database on SQL Server.

1. Create and configure the portal database.

For details, see *Creating and Configuring the Portal Database* on page 35.

2. Script the portal database.

For details, see *Scripting the Portal Database on SQL Server* on page 36

Creating and Configuring the Portal Database

This topic describes how to create and configure the portal database on Microsoft SQL Server 2005.

1. Configure the SQL Server instance to use **SQL Server and Windows Authentication mode**.
2. Create the portal database.

- a) Set the portal database name to the name you specified when you ran the Oracle WebCenter Interaction installer.
- b) Verify that the initial size of the portal database is sufficient for your Oracle WebCenter Interaction deployment.

For a relatively small installation, configure a database that is at least 100 MB. For a large enterprise with as many as 20,000 users, configure a database that is as large as 1 GB.

- c) Configure the portal database to use **SQL Server 2000 (80) compatibility level**
3. Create the portal database user.
 - a) Create the portal database user with the user name and password you specified when you ran the Oracle WebCenter Interaction installer.
 - b) Configure the portal database user to use **SQL Server Authentication**.
 - c) Set the portal database user's default database to the portal database.
 - d) Grant the portal database user the **db_owner** role for the portal database.

Scripting the Portal Database on SQL Server

This topic describes how to create and populate SQL Server tables necessary for the Oracle WebCenter Interaction portal.

We recommend that you run the scripts as the `sa` user so that the tables are owned by `dbo`.

Note: See Knowledge Base article DA_319052 for a discussion of the benefits of `dbo` object ownership.

1. Delete previous tables (if they exist) and create the tables required for the new portal components by running the following script:
`install_dir\ptportal\10.3.0\sql\mssql\create_tables_mssql.sql`.
2. Create the portal objects required by the portal by running the following script:
`install_dir\ptportal\6.5\sql\mssql\load_seed_info_mssql.sql`
3. Create the stored procedures required by the portal by running the following script
`install_dir\ptportal\10.3.0\sql\mssql\stored_procs_mssql.sql`
4. Set configuration information required by the portal by running the following script
`install_dir\ptportal\10.3.0\sql\mssql\postinst_mssql.sql`.
5. Run the SQL scripts for ALUI Directory.

The scripts are located in `install_dir\aluidirectory\1.0\sql\mssql`. Run the scripts in the following order:

1. `create_tables.sql`
2. `create_functions.sql`
3. `map_alidb_103.sql`

Note: The `create_functions.sql` and `map_alidb_65.sql` scripts assume that all portal tables are under `DBO`. If your portal tables are under a different schema, you must manually edit `create_functions.sql` and `map_alidb_65.sql`, making the following replacements:

- `DBO.PTAUTHSOURCES` must be changed to `your_schema.PTAUTHSOURCES`
- `DBO.LDAP_ORG_UNITS` must be changed to `your_schema.LDAP_ORG_UNITS`

For more information on handling portal objects that are not in the `DBO` schema, refer to `install_dir\aluidirectory\1.0\sql\mssql\README.txt`.

Creating and Configuring the Notification Service Database

This topic describes the database configuration options for the Notification service.

By default, the Notification service uses an internal database. If your deployment requires a more robust database, you can configure Notification to use an external database.

To configure an external database:

1. Script your database.

- For details on scripting an Oracle database, see [Creating an External Notification Database on Oracle](#) on page 37.
- For details on scripting a Microsoft SQL Server database, see [Creating an External Notification Database on SQL Server](#) on page 38.

2. Update Notification database configuration information in Configuration Manager.

The Notification database configuration is located in Configuration Manager under **Notification Service | External Database**. Details of the necessary settings are provided as inline documentation in the Configuration Manager.

Creating an External Notification Database on Oracle

This topic describes how to create and configure a database for the Notification service on all supported versions of Oracle.

- Log into the portal database host machine as the owner of the Oracle system files. Unless otherwise noted, scripts must be run as the system user.
- Verify that `ORACLE_BASE`, `ORACLE_HOME`, and `ORACLE_SID` are set appropriately.

For details, see [Oracle Environment Variables](#) on page 13

The script files referred to in the following steps are found in `install_dir\alui\cns\1.0\sql\oracle` on Windows installs and `install_dir/alui/cns/1.0/sql/oracle` on Unix and Linux installs. In this directory there are two subdirectories:

- If you are scripting an Oracle database on Windows, use the script files in the `windows` directory.

- If you are scripting an Oracle database on Unix or Linux, use the script files in the `unix` directory.
- 1. Edit references to the `PLUM10` SID in `cns-server-create-table-space.sql`, if necessary.
The `cns-server-create-table-space.sql` script assumes your SID to be `PLUM10`. If your SID is different, replace all occurrences of `PLUM10` in the script file with your SID.
- 2. Run `cns-server-create-table-space.sql`.
- 3. Set user and password values in `cns-server-create-user.sql`.
In the `cns-server-create-user.sql` script replace the tokens `@CNSDB_LOGIN@` and `@CNSDB_PASSWORD_UNENCRYPTED@` with the user name and password, respectively, for the user you are creating.
- 4. Run `cns-server-create-user.sql`.
- 5. As the user you just created, run `cns-createTables.sql`.
- 6. As the user you just created, run `cns-data.sql`.

Creating an External Notification Database on SQL Server

This topic describes how to create and configure a SQL Server database for the Notification service.

The script files referred to in the following steps are found in `install_dir\alui\cns\1.0\sql\mssql` on Windows installs and `install_dir/alui/cns/1.0/sql/mssql` on Unix and Linux installs.

1. Create a new database for the Notification service.
2. Give a user the `db_owner` role on the new database.
Create a new database user for the Notification service, or use an existing user.
3. Run `cns-createTables.sql`.
4. Run `cns-data.sql`.

Starting and Verifying the Installation

This topic describes how to start Oracle WebCenter Interaction and verify operation on Windows platforms.

1. Start the Oracle WebCenter Interaction services.

For details, see [Starting the Oracle WebCenter Interaction and Search Services on Windows](#) on page 39

2. Run the diagnostics script and resolve any issues.

For details, see [Running the Diagnostics Script](#) on page 40

3. Start the portal.

For details, see [Starting the Portal](#) on page 40

Starting the Oracle WebCenter Interaction and Search Services on Windows

This topic describes the Windows services associated with Oracle WebCenter Interaction components, and in what order the Oracle WebCenter Interaction services should be started.

You must start the services in the following order. Depending on which components you installed, some services might not be applicable to your portal installation.

1. Go to the Windows Services control panel.

2. Start **BEA ALI Search *host_name*** .

host_name is the name of the machine where Oracle WebCenter Interaction Search is installed.

Note: It is important that third-party virus scanners do not attempt to scan the search service archives.

3. Start **BEA ALI Search Cluster Manager**.
4. Start **BEA ALI API Service**.
5. Start **BEA ALI LDAP Directory**.
6. Start **BEA ALI Automation Service**.

7. Start **BEA AL Notification Service**.
8. Start **BEA ALI Document Repository Service**.
9. Start **BEA ALI Content Upload Service**.
10. Start **BEA ALI Remote Portlet Service**.

Running the Diagnostics Script

This topic describes how to use the diagnostics script to determine the health of your Oracle WebCenter Interaction installation prior to running the portal for the first time.

Prior to running the diagnostics script, you must completely configure Oracle WebCenter Interaction using the Configuration Manager. You must also create and configure the portal database.

Run the diagnostics script before starting your portal for the first time. It tests basic portal startup functionality. If there are issues with your Oracle WebCenter Interaction installation, the diagnostics script generates a list of warnings and recommendations about how to correct the issues.

Run the following, follow the recommendations, and correct any issues before starting your portal for the first time.

- On a Unix platform, run the diagnostics script,
`install_dir/ptportal/10.3.0/bin/diagnostic.sh`
- On a Windows platform, run the diagnostics script,
`install_dir\ptportal\10.3.0\bin\diagnostic.bat`

Starting the Portal

This topic describes how to start the Oracle WebCenter Interaction portal for the first time.

To start the portal:

1. Start the portal by browsing to the `server.pt` application at the external portal URL you provided the Oracle WebCenter Interaction installer.
For example, `http://myportal.domain.com:80/portal/server.pt`
2. Log in to the portal as Administrator with no password.

Note: You should change the default Administrator password as soon as possible. Make sure that you document the change and inform the appropriate portal administrators.

Importing Migration Packages

This topic provides an overview of how to import the Oracle WebCenter Interaction component migration packages.

Import the following packages. Depending on which components you installed, some packages might not be applicable to your portal installation.

1. Import the Search Cluster Manager portal objects.

For details, see *Importing the Search Cluster Manager Migration Package* on page 41.

2. Import the Content Upload portal objects.

For details, see *Importing the Content Upload Migration Package* on page 42.

3. Import the Activity Service portal objects.

For details, see *Importing the Activity Service Migration Package* on page 42.

4. Import the RSS Reader portal objects.

For details, see *Importing the RSS Reader Migration Package* on page 43.

5. Import the Notification portal objects.

For details, see *Importing the Notification Migration Package* on page 43.

Importing the Search Cluster Manager Migration Package

This topic describes how to import the Search Cluster Manager migration package.

- Use the **Migration - Import Utility** (click Administration->Select Utility->Migration - Import) to import the `SearchClusterAdminUI.pte` file.
 - On Unix, `SearchClusterAdminUI.pte` is in `install_dir/ptsearchserver/10.3.0/serverpackages/`
 - On Windows, `SearchClusterAdminUI.pte` is in `install_dir\ptsearchserver\10.3.0\serverpackages\`

If necessary, adjust any import settings.

For details on using the **Migration - Import** utility, see the online help or *Administrator Guide for Oracle WebCenter Interaction*.

Note: You might need to log out and back in to the portal in order to see the **Search Cluster Manager**. It appears in the **Select Utility** menu.

Importing the Content Upload Migration Package

This topic describes how to import the Content Upload migration package.

- Use the **Migration - Import Utility** (click Administration->Select Utility->Migration - Import) to import the `contentupload.pte` file.
 - On Unix, `contentupload.pte` is in
`install_dir/ptupload/10.3.0/serverpackages/`
 - On Windows, `contentupload.pte` is in
`install_dir\ptupload\10.3.0\serverpackages\`

If necessary, adjust any import settings.

For details on using the **Migration - Import** utility, see the online help or *Administrator Guide for Oracle WebCenter Interaction*.

Importing the Activity Service Migration Package

This topic describes to import the Activity Service migration package.

- Use the **Migration - Import Utility** (click Administration->Select Utility->Migration - Import) to import the `activityservice.pte` file.
 - On Unix, `activityservice.pte` is in
`install_dir/remoteps/1.0/serverpackages/`
 - On Windows, `activityservice.pte` is in
`install_dir\remoteps\1.0\serverpackages\`

If necessary, adjust any import settings.

For details on using the **Migration - Import** utility, see the online help or *Administrator Guide for Oracle WebCenter Interaction*.

Importing the RSS Reader Migration Package

This topic describes how to import the RSS Reader migration package.

- Use the **Migration - Import Utility** (click Administration->Select Utility->Migration - Import) to import the `RSSReader.pte` file.
 - On Unix, `RSSReader.pte` is in `install_dir/remoteps/1.0/serverpackages/`
 - On Windows, `RSSReader.pte` is in `install_dir\remoteps\1.0\serverpackages\`

If necessary, adjust any import settings.

For details on using the **Migration - Import** utility, see the online help or *Administrator Guide for Oracle WebCenter Interaction*.

Importing the Notification Migration Package

This topic describes to import the Notification migration package.

1. Use the **Migration - Import Utility** (click Administration->Select Utility->Migration - Import) to import the `notification.pte` file.
 - On Unix, `notification.pte` is in `install_dir/cns/1.0/serverpackages/`
 - On Windows, `notification.pte` is in `install_dir\cns\1.0\serverpackages\`

If necessary, adjust any import settings.

For details on using the **Migration - Import** utility, see the online help or *Administrator Guide for Oracle WebCenter Interaction*.

2. Ve



Uninstalling Oracle WebCenter Interaction 10.3

This topic describes how to uninstall Oracle WebCenter Interaction.

1. Start the uninstaller.
 - On Unix, execute `install_dir/uninstall/ptportal/10.3.0/uninstall WebCenter_Interaction`
 - On Windows, use **Add/Remove Programs** to remove Oracle WebCenter Interaction.
2. On the Uninstall Oracle WebCenter Interaction page, click **Next**.
3. On the Uninstall Options page, choose whether you want to perform a complete uninstall of Oracle WebCenter Interaction or to uninstall specific features. Then click **Next**.
4. On the Uninstall Complete page, review any items that could not be removed.

