

Oracle® Fusion Middleware

Installation and Upgrade Guide for Oracle WebCenter
Collaboration

10g Release 4 (10.3.3.0.0)

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Describes how to install and upgrade Oracle WebCenter
Collaboration.

Oracle Fusion Middleware Installation and Upgrade Guide for Oracle WebCenter Collaboration, 10g Release 4 (10.3.3.0.0)

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Preface

This book describes how to install and upgrade Oracle WebCenter Collaboration 10g Release 4 (10.3.3.0.0).

Note: You can upgrade only from versions 10.3 or 10.3.0.1. If you are running an older version, you must first upgrade to 10.3 before following the instructions in this guide. For instructions on upgrading to 10.3, see documentation available in the Oracle WebCenter Collaboration 10g Release 3 (10.3) documentation set.

Audience

This guide is intended for the user responsible for installing or upgrading Oracle WebCenter Collaboration. 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.

Documentation Accessibility

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Related Documents

For more information, see the following documents in the Oracle WebCenter Collaboration 10g Release 4 (10.3.3.0.0) documentation set:

- *Oracle WebCenter Collaboration Release Notes*
- *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Collaboration*
- *Oracle Fusion Middleware Deployment Planning Guide for Oracle WebCenter Interaction*

- *Oracle Fusion Middleware Web Service Developer's Guide for Oracle WebCenter Interaction*

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.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Prerequisites

This chapter describes the basic steps you must complete to prepare your network and host computers for deployment, such as provisioning host computers, granting user and group rights, and creating a Oracle WebCenter Collaboration database.

1. If you are upgrading, ensure you are running Oracle WebCenter Collaboration 10.3 or 10.3.0.1.

You can upgrade only from versions 10.3 or 10.3.0.1. If you are running an older version, you must first upgrade to 10.3 before following the instructions in this guide. For instructions on upgrading to 10.3, see documentation available in the Oracle WebCenter Collaboration 10g Release 3 (10.3) documentation set.

2. Download the most up-to-date documentation from the Oracle Technology Network in the Oracle WebCenter Collaboration 10g Release 4 (10.3.3.0.0) documentation set.
3. Read the release notes for additional information on compatibility issues, known problems, and workarounds that might affect how you proceed with your deployment.
4. Provision host computers for your deployment and install prerequisite software. For details, see [Section 1.1, "Software Requirements."](#)
5. **(Linux/UNIX only)** Grant user and group access rights to Oracle Inventory directories. For details, see [Section 1.2, "Granting User and Group Access Rights to Oracle Inventory Directories."](#)
6. If you are installing Oracle WebCenter Collaboration for the first time, create the Oracle WebCenter Collaboration database. For details, see [Section 1.3, "Creating the Oracle WebCenter Collaboration Database"](#).
7. Enable firewall access on port 28282. For more information, see the *Oracle Fusion Middleware Deployment Planning Guide for Oracle WebCenter Interaction*.

1.1 Software Requirements

For the latest information on supported operating systems, application servers, databases, and browsers, see the Oracle Fusion Middleware Supported System Configurations page at

http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html, open the System Requirements and Supported Platforms for Oracle WebCenter Interaction 10gR4 spreadsheet, and refer to the WebCenter Collaboration 10.3.3 worksheet.

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.

1.2 Granting User and Group Access Rights to Oracle Inventory Directories

(Linux/UNIX only) 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 Collaboration 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 must perform this procedure if you are installing Oracle WebCenter Collaboration on Windows.

If you are installing Oracle WebCenter Collaboration on Linux or UNIX operating systems, you do not must perform this procedure if, *as the same user that is installing Oracle WebCenter Collaboration*, you have already installed at least one of the following products *on the same machine* on which you are installing Oracle WebCenter Collaboration:

- Oracle WebCenter Interaction 10.3.3
 - Oracle WebCenter Analytics 10.3
 - Oracle WebCenter Ensemble 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 Collaboration.

This script is located in the same location as the Oracle WebCenter Collaboration installer file.

3. Change the current directory (cd) 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 Collaboration 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.

1.3 Creating the Oracle WebCenter Collaboration Database

This section describes how to create and configure the database used by Oracle WebCenter Collaboration. It is expected that the person setting up the Oracle WebCenter Collaboration database has a strong understanding of database system administration.

Note: The Oracle WebCenter Collaboration and portal databases must be the same vendor and version and they must reside on the same physical machine.

To set up the Oracle WebCenter Collaboration database, follow the steps in the subsection appropriate to your environment:

- To set up the Oracle WebCenter Collaboration database on Microsoft SQL Server, see [Section 1.3.1, "Creating and Configuring the Oracle WebCenter Collaboration Database on Microsoft SQL Server"](#).
- To set up the Oracle WebCenter Collaboration database on Oracle, see [Section 1.3.3, "Configuring a DB2 Database for Oracle WebCenter Collaboration"](#).
- To set up the Oracle WebCenter Collaboration database on DB2, see [Section 1.3.3, "Configuring a DB2 Database for Oracle WebCenter Collaboration"](#).

1.3.1 Creating and Configuring the Oracle WebCenter Collaboration Database on Microsoft SQL Server

This section describes how to create and configure the Oracle WebCenter Collaboration database on Microsoft SQL Server.

To set up the Oracle WebCenter Collaboration database on Microsoft SQL Server:

1. Configure the SQL Server instance to use **SQL Server and Windows Authentication mode**.
2. Create the Oracle WebCenter Collaboration database:
 - a. Set the Oracle WebCenter Collaboration database name to the name, and note it.
 - b. Verify that the initial size of the Oracle WebCenter Collaboration database is sufficient for your Oracle WebCenter Collaboration 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.
3. Create the Oracle WebCenter Collaboration database user login:
 - a. Create the Oracle WebCenter Collaboration database user login, and note it.
 - b. Configure the Oracle WebCenter Collaboration database user login to use **SQL Server Authentication**.
 - c. Set the Oracle WebCenter Collaboration database user login password, and note it.

- d. Set the Oracle WebCenter Collaboration database user login's default database to the Oracle WebCenter Collaboration database.
 - e. Grant the Oracle WebCenter Collaboration database user login the `db_owner` role for the Oracle WebCenter Collaboration database.
4. Create a schema for the Oracle WebCenter Collaboration database with the schema name, and note it. This name must be the same as the Oracle WebCenter Collaboration database user name.
 5. In the Oracle WebCenter Collaboration database user's login properties, navigate to the User Mapping page.
 6. Set the default schema of the Oracle WebCenter Collaboration database user login to the new schema of the same name.

1.3.2 Configuring an Oracle Database for Oracle WebCenter Collaboration

Oracle WebCenter Collaboration does not use its own Oracle database. Instead, the Oracle WebCenter Collaboration schema is added to the existing Oracle database that contains the portal schema.

Before installing Oracle WebCenter Collaboration verify that you have a correctly installed and configured the portal database. Confirm that the `open_cursors` parameter in the Oracle initialization file is set to greater than 1000. This parameter should have been set correctly during the portal database set up.

1.3.3 Configuring a DB2 Database for Oracle WebCenter Collaboration

Oracle WebCenter Collaboration does not use its own DB2 database. Instead, the Oracle WebCenter Collaboration schema is added to the existing DB2 database that contains the portal schema.

Before installing Oracle WebCenter Collaboration:

- Ensure that the data for the Oracle WebCenter Interaction and ALUI Directory applications is stored in distinct schemas on the same DB2 database.
- Create a distinct schema for the Oracle WebCenter Collaboration database on the same DB2 database that contains the schemas for the Oracle WebCenter Interaction and ALUI Directory applications.

Installation

This chapter describes how to install Oracle WebCenter Collaboration, including running the installer, scripting the databases, configuring the Image Service, configuring Oracle Universal Content Management, importing migration packages, and starting Oracle WebCenter Collaboration.

If you are upgrading from an earlier version, refer first to [Chapter 3, "Upgrade."](#)

To install Oracle WebCenter Collaboration:

1. Ensure that you have met the prerequisites for installation. For details, see [Section 1, "Prerequisites."](#)
2. Install the Oracle WebCenter Collaboration components. For details, see [Section 2.1, "Installing the Oracle WebCenter Collaboration Components."](#)
3. **(Optional)** Deploy Oracle WebCenter Collaboration on WebLogic Server. By default, Oracle WebCenter Collaboration is deployed on the Embedded Servlet Engine. You only must perform this step if you want to deploy Oracle WebCenter Collaboration on WebLogic Server instead of the Embedded Servlet Engine. For details, see [Section 2.2, "Deploying Oracle WebCenter Collaboration on WebLogic Server."](#)
4. Script the portal and Oracle WebCenter Collaboration databases. For details, see [Section 2.3, "Scripting the Oracle WebCenter Collaboration and Portal Databases."](#)
5. **(Image Service on IIS only)** Configure the Image Service to work properly with the Notification Service. For details, see [Section 2.4, "Configuring the Image Service for Notification Emails."](#)
6. **(Optional)** Configure Oracle WebCenter Collaboration integration with Oracle Universal Content Management. You only must perform this step if you want to export Oracle WebCenter Collaboration projects or documents to Oracle Universal Content Management. For details, see [Section 2.5, "Configuring Oracle WebCenter Collaboration Integration with Oracle Universal Content Management."](#)
7. Import the Oracle WebCenter Collaboration migration package. For details, see [Section 2.6, "Importing the Oracle WebCenter Collaboration Migration Package."](#)
8. Start Oracle WebCenter Collaboration and verify operation. For details, see [Section 2.7, "Starting and Verifying the Installation."](#)

2.1 Installing the Oracle WebCenter Collaboration Components

This section describes how to install the Oracle WebCenter Collaboration components.

The Oracle WebCenter Collaboration components are:

1. **Collaboration Web UI:** This is the core Oracle WebCenter Collaboration application. It is required.
2. **Image Service Files:** This required component installs the necessary images, styles, user interface controls, Java applets, and online help for Oracle WebCenter Collaboration. Install these files on the same machine on which the portal's Image Service is installed.

When performing a clean install, you can install the Oracle WebCenter Collaboration components in any order; however, you should not start any of the components until all components are installed.

Note: Oracle WebCenter Collaboration uses the Notification Service to send emails from Oracle WebCenter Collaboration to end users and to serve RSS feeds if that feature is enabled. The Notification Service is included with the Oracle WebCenter Interaction installer and is a required component of Oracle WebCenter Interaction. The Notification Service should be installed and configured as part of your Oracle WebCenter Interaction installation.

2.1.1 Launching the Oracle WebCenter Collaboration Installer

This section describes how to launch the Oracle WebCenter Collaboration installer.

To install Oracle WebCenter Collaboration, you must have administrator rights on the machine where you are running the installer.

Note: If you have previously run the installer and a properties file has been created, you may run the installer silently based on the values in the file. Refer to [Appendix B, "Silent Properties File"](#) for information on how to run a silent install.

To install Oracle WebCenter Collaboration, launch the Oracle WebCenter Collaboration installer:

■ UNIX/Linux:

1. Log in to the Oracle WebCenter Collaboration host machine as the local administrator.

Note: For UNIX/Linux installations, you must run the Oracle WebCenter Collaboration installer as the user that you specified in the procedure [Section 1.2, "Granting User and Group Access Rights to Oracle Inventory Directories."](#) You specified the user who will run the product installer as an argument to the ouais.sh script.

2. Copy the WebCenterCollaboration_10.3.3.0.0 installer to a temporary location and run it as follows: `$./WebCenterCollaboration_10.3.3.0.0`

■ Windows:

1. Log in to the Oracle WebCenter Collaboration host machine as the local administrator.
2. Copy the WebCenterCollaboration_10.3.3.0.0.exe installer to a temporary location.

3. Close all unnecessary windows and applications.
4. Double-click WebCenterCollaboration_10.3.3.0.0.exe to launch the installer.

The following tables describe the Oracle WebCenter Collaboration installer wizard pages. The installer wizard pages that appear vary according to your configuration and the selections you choose.

Table 2–1 Oracle WebCenter Collaboration Installer Wizard Pages

Wizard Page	Description
Introduction	Provides general information on using the installer.
Choose Components	<p>Select Custom or Complete.</p> <p>If you select Complete, a full set of Oracle WebCenter Collaboration components are installed. If you select Custom, you can select individual components to install according to your deployment plan.</p>
Choose Install Folder	<p>Accept the default installation folder or select a different folder in which to install Oracle WebCenter Collaboration.</p> <p>Default:</p> <ul style="list-style-type: none"> ■ UNIX/Linux: /opt/oracle/middleware/wci ■ Windows: C:\Oracle\Middleware\wci <p>In the rest of this guide, the default installation folder will be referred to as <i>install_dir</i>.</p>
Portal Settings: Portal Database	Enter the type of database used by the portal. Oracle WebCenter Collaboration must use the same database type as the portal.
Portal Settings: Portal Database	Enter the name of the computer that hosts the Oracle WebCenter Interaction database, the port used by the database, the name of the database, and the database user.
Collaboration: Database Connection	Enter the Oracle WebCenter Collaboration database user and the name of the database.
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	<p>Type the port number on which you want Oracle WebCenter Configuration Manager to service Oracle WebCenter Collaboration requests.</p> <p>By default, the port number is 12345. After running the installer, you will be able to access Oracle WebCenter Configuration Manager by using the following URL: <code>https://local_host:port_number</code>.</p> <p>Also type and confirm the Administrator password that you will use to log into Oracle WebCenter Configuration Manager. The password is case-sensitive.</p>
Path to Image Service Files	<p>Install Image Service files on the computer on which the Image Service is installed. The path should lead to the directory where the Image Service is installed.</p> <ul style="list-style-type: none"> ■ C:\Oracle\Middleware\wci\ptimages (Windows) ■ /opt/oracle/middleware/wci/ptimages (UNIX) <p>Before clicking Next, verify that security for the Image Service directory is appropriately configured to allow for installation of the Image Service files.</p> <ul style="list-style-type: none"> ■ After you have entered the required information, click Next.

Table 2–1 (Cont.) Oracle WebCenter Collaboration Installer Wizard Pages

Wizard Page	Description
Pre-Installation Summary	Review the list of components to be installed. Click Install .
Launch Configuration Manager	Launch Oracle WebCenter Configuration Manager. Log in to Oracle WebCenter Configuration Manager using the user name Administrator and the password you specified. Follow the instructions in Oracle WebCenter Configuration Manager to complete all configurations with missing or incorrect settings. When you have completed all Oracle WebCenter Configuration Manager tasks, return to the installer and click Next .
Application Settings Confirmation	Select Yes if you have completed configuration of the Oracle WebCenter Collaboration settings. Select No, configure later to complete the installer without configuring the Oracle WebCenter Collaboration settings. You must run Oracle WebCenter Configuration Manager and configure your Oracle WebCenter Collaboration settings before starting Oracle WebCenter Collaboration.
Install Complete	If you are prompted to restart your computer, choose to restart the system now or restart it manually. Click Done .

2.2 Deploying Oracle WebCenter Collaboration on WebLogic Server

The Oracle WebCenter Collaboration installer automatically deploys Oracle WebCenter Collaboration on the Embedded Servlet Engine. You can choose to deploy Oracle WebCenter Collaboration on WebLogic Server instead of the Embedded Servlet Engine.

Note: If you choose to deploy Oracle WebCenter Collaboration on WebLogic Server, you should disable the **Oracle WCI Collaboration** service that is installed by the installer on Windows machines. You will not be able to start and stop Oracle WebCenter Collaboration using Oracle WebCenter Configuration Manager.

To deploy Oracle WebCenter Collaboration on WebLogic Server:

1. Identify a domain on which to deploy Oracle WebCenter Collaboration, or create a new domain. Refer to your WebLogic Server documentation for details on creating a new domain.
2. In the portal's config.xml file for the domain on which the portal is deployed, add the following line at the end of the <security-configuration> tag:

```
<enforce-valid-basic-auth-credentials>>false</enforce-valid-basic-auth-credentials>
```

This disables basic authentication for the domain, and is necessary for WebDAV to work properly.

Note: The `<enforce-valid-basic-auth-credentials>` line must be the last entry in the `<security-configuration>` tag for the setting to take effect.

3. Add the following text to the `setDomainEnv.sh` or `setDomainEnv.cmd` file of the domain:

- On UNIX/Linux, add the following entry to `setDomainEnv.sh` (this entry must be added to the top of the file, before the `export JAVA_OPTIONS` command). You must add this as one line of code:

```
JAVA_OPTIONS="${SAVE_JAVA_OPTIONS}
-Dbid.application.config=PT_HOME/settings
-Dplumtree.application.config=PT_HOME/settings
-Dbid.application=PT_HOME/ptcollab/10.3.3
-Dplumtree.application=PT_HOME"
```

- On Windows, add the following entry to `setDomainEnv.cmd` (this entry must be added to the top of the file, before the `export JAVA_OPTIONS` command). You must add this as one line of code:

```
set JAVA_OPTIONS=%SAVE_JAVA_OPTIONS%
-Dbid.application.config=PT_HOME\settings
-Dplumtree.application.config=PT_HOME\settings
-Dbid.application=PT_HOME\ptcollab\10.3.3
-Dplumtree.application=PT_HOME
```

Enter the actual value of `PT_HOME` in the file. `PT_HOME` is the same value as `install_dir`. By default, the value for `install_dir` is `/opt/oracle/middleware/wci` on UNIX/Linux and `C:\Oracle\Middleware\wci` on Windows.

4. Start the WebLogic domain.
5. Deploy `collab.ear`, located in the following location, as an application in the WebLogic domain:

UNIX/Linux: `install_dir/ptcollab/10.3.3/webapp/`

Windows: `install_dir\ptcollab\10.3.3\webapp\`

Refer to your WebLogic Server documentation for details on how to deploy an application.

6. Update the Oracle WebCenter Collaboration application settings in Oracle WebCenter Configuration Manager to reflect the correct port numbers for the Oracle WebCenter Collaboration UI:
 - a. Launch Oracle WebCenter Configuration Manager.
 - b. In the application list on the left, under Collaboration, click **Application Settings**.
 - c. Update the values of **HTTP port** and **HTTPS port** with the port numbers used by the Oracle WebCenter Collaboration domain in WebLogic.
 - d. Click **SAVE**.
7. Update the URL of the Oracle WebCenter Collaboration remote server:
 - a. Log in to the portal.

2.3.1.1 Scripting the Oracle WebCenter Collaboration Database on Microsoft SQL Server

Run the database scripts as the Oracle WebCenter Collaboration database user on the Oracle WebCenter Collaboration database in the following order:

1. To delete previous tables (if they exist) and create the tables required for Oracle WebCenter Collaboration, run the *install_dir\ptcollab\10.3.3\sql\mssql\collaboration-server-create-tables.sql* script.
2. To create the objects required by Oracle WebCenter Collaboration, run the *install_dir\ptcollab\10.3.3\sql\mssql\collaboration-server-data.sql* script.
3. To grant the portal database user Read access to tables in the Oracle WebCenter Collaboration database, run the *install_dir\ptcollab\10.3.3\sql\mssql\collaboration-server-portal-role-grant.sql* script.

2.3.1.2 Scripting the Portal Database on Microsoft SQL Server

Run the database scripts as the sa user on the portal database in the following order:

1. To grant the Oracle WebCenter Collaboration database user Read access to tables in the portal database, run the *install_dir\ptcollab\10.3.3\sql\mssql\portal-collaboration-server-role-grant.sql* script.
2. To create Oracle WebCenter Collaboration objects in the portal database, run the *install_dir\ptcollab\10.3.3\sql\mssql\portal-collaboration-server-data.sql* script.

2.3.2 Scripting the Database on Oracle

This section describes how to run the SQL scripts to create and configure the Oracle WebCenter Collaboration database schema, as well as configure the portal database schema for Oracle WebCenter Collaboration.

These SQL scripts create the Oracle WebCenter Collaboration schema and add specific tables and information. They also grant SELECT access to the Oracle WebCenter Collaboration schema owner.

Note: You should have already configured the database, as described in [Section 1.3.3, "Configuring a DB2 Database for Oracle WebCenter Collaboration."](#)

Note: If you are running the scripts on a local machine you do not must include the command line @<Oracle_SID>, however you do must ensure that the environment variables are set.

Perform the following procedure to run the scripts:

1. Perform the following on the portal database server:
 - a. Create the directory %ORACLE_HOME%/ptcollabscripts.
 - b. Copy the Oracle WebCenter Collaboration database scripts from the installation location into this folder.
2. Update any required database patches.

3. If you are installing in a production environment, set up the database to archive log files. Using the default configuration, you must shut down the Oracle database to get a read-consistent backup.
4. If you want, you can change the names and locations of the `COLLAB_TEMP` and `COLLAB_DATA` tablespaces by modifying the `collaboration-server-create-table-space.sql` script. Put each tablespace on its own hard drive.
5. By default, the Oracle WebCenter Collaboration schema user name is `collab`, and the password is `collab`. You can change the schema user name and password by modifying the `collaboration-server-create-user.sql` script.
6. Use `sql*plus` to execute `collaboration-server-create-table-space.sql`. This script creates the Oracle WebCenter Collaboration schema default tablespaces.

You must log in as the system user to execute this script. Substitute the correct system password in the following command:

```
sqlplus system/<system_pwd>@<ORACLE_SID>  
@collaboration-server-create-table-space.sql
```

7. As the system user, execute `collaboration-server-create-user.sql`. This script creates the user and password you specified during Oracle WebCenter Collaboration installation. The script prompts you to enter the password again; be sure to enter the correct password.

```
sqlplus system/<system_pwd>@<ORACLE_SID>  
@collaboration-server-create-user.sql
```

8. As the Oracle WebCenter Collaboration user, execute `collaboration-server-create-tables.sql` to create Oracle WebCenter Collaboration tables. Substitute the correct Oracle user name and password; this is the user name and password you specified during Oracle WebCenter Collaboration installation:

```
sqlplus <collab_user_name>/<user_pwd>@<ORACLE_SID>  
@collaboration-server-create-tables.sql
```

Note: This script stops immediately on a SQL error. If this happens, resolve the problem and rerun the script.

9. As the Oracle WebCenter Collaboration user, execute `collaboration-server-data.sql` to populate the Oracle WebCenter Collaboration tables. Substitute the correct Oracle user name and password; this is the user name and password you specified during Oracle WebCenter Collaboration installation:

```
sqlplus <collab_user_name>/<user_pwd>@<ORACLE_SID>  
@collaboration-server-data.sql
```

10. As the Oracle WebCenter Collaboration user, execute `collaboration-server-portal-role-grant.sql`. This script grants the portal schema user `SELECT` access to required tables in the Oracle WebCenter Collaboration schema. Substitute the correct Oracle user name and password; this is the user name and password you specified during Oracle WebCenter Collaboration installation. The script prompts for other required passwords.

```
sqlplus <collab_user_name>/<user_pwd>@<ORACLE_SID>  
@collaboration-server-portal-role-grant.sql
```

11. As the portal user, execute `portal-collaboration-server-role-grant.sql`. This script grants the Oracle WebCenter Collaboration schema user `SELECT` access to required tables in the portal schema. Substitute the correct portal database user name and password in the following command. The script prompts for other required passwords.

```
sqlplus <portal_user_name>/<portal_pwd>@<ORACLE_SID>  
@portal-collaboration-server-role-grant.sql
```

12. As the portal user, execute `portal-collaboration-server-data.sql`. This script creates views in the portal schema that allow it to see Oracle WebCenter Collaboration tables. Substitute the correct portal database user name and password in the command:

```
sqlplus <portal_user_name>/<portal_pwd>@<ORACLE_SID>  
@portal-collaboration-server-data.sql
```

13. Restart the portal.

2.3.3 Scripting a DB2 Database on UNIX for Oracle WebCenter Collaboration

This topic describes how to script a DB2 database on UNIX for use with Oracle WebCenter Collaboration.

Note: For this release, we do not support scripting a DB2 database on Windows for Oracle WebCenter Collaboration.

Before scripting a DB2 database for Oracle WebCenter Collaboration:

- Ensure that you have already configured the database, as described in [Section 1.3.3, "Configuring a DB2 Database for Oracle WebCenter Collaboration."](#)
- Have your DB2 database administrator examine and, if necessary, customize the SQL scripts before you use them. Each SQL file contains comments that describe the customizations that might be necessary.

Note: The Collaboration SQL scripts for DB2 include hard-coded schema names for the Oracle WebCenter Collaboration and portal databases. In the `collaboration-server-create-tables.sql`, `collaboration-server-data.sql`, and `collaboration-server-portal-role-grant.sql` scripts, the hard-coded name for the Oracle WebCenter Collaboration schema is `COLLAB`. If you updated the Oracle WebCenter Collaboration schema name to anything other than `COLLAB`, you must navigate to Oracle WebCenter Configuration Manager, Collaboration application, Collaboration Database component, and update the Schema Name setting to match the updated Oracle WebCenter Collaboration schema name.

In the `portal-collaboration-server-role-grant.sql` and `portal-collaboration-server-data.sql` scripts, the hard-coded name for the portal schema is `ALUI`. If you updated the portal schema name to anything other than `ALUI`, you must update these scripts to match the updated portal schema name. Additionally, you must navigate to Configuration Manager, Collaboration application, Collaboration Settings component, and update the Linked database alias setting to match the updated portal schema name. Make sure to add `.dbo.` to the end of the portal schema name. For example, if the portal schema name is `alidbuser`, the value that you type into the Linked database alias setting should be `alidbuser.dbo.`

Use the DB2 command line processor to run the SQL scripts against your DB2 database. Comments in the header of each SQL file contain recommended syntax for the DB2 command line processor.

To script a DB2 database for Oracle WebCenter Collaboration:

1. Copy SQL scripts from the Oracle WebCenter Collaboration installation directory to your DB2 database server.

The scripts are located in: `install_dir/ptcollab/10.3.3/sql/db2`

2. As a user with administrative privileges, run the these scripts in the following order:
 - a. `create_collab_schema.sql`
 - b. `create_collab_tablespace_unix.sql`
 - c. `grant_collab_user.sql`
 - d. `collaboration-server-create-tables.sql`
 - e. `collaboration-server-data.sql`
 - f. `collaboration-server-portal-role-grant.sql`
 - g. `portal-collaboration-server-role-grant.sql`
 - h. `portal-collaboration-server-data.sql`

2.4 Configuring the Image Service for Notification Emails

If your Image Service is deployed on IIS, you must register two new MIME types in IIS so that email notifications will work properly.

To configure IIS for notification emails:

1. On the machine hosting the Image Service, open the Internet Information Services (IIS) Manager, right-click the local computer name, and click **Properties**.
2. Click **MIME Types**.
3. Click **New**. This opens the MIME Type dialogue box.
4. Type .nst in the **Extension** box.
5. Type text/plain in the **MIME type** box.
6. Click **OK** in the MIME Type dialogue box.
7. Repeat steps 3-6, entering inc in the **Extension** box.
8. Click **OK** to save the new settings.
9. Click **OK** in the Properties dialogue box.
10. Restart the World Wide Web Publishing Service so that the changes take effect.

2.5 Configuring Oracle WebCenter Collaboration Integration with Oracle Universal Content Management

You can export Oracle WebCenter Collaboration projects and documents to Oracle Universal Content Management. To do so, you must perform the following tasks:

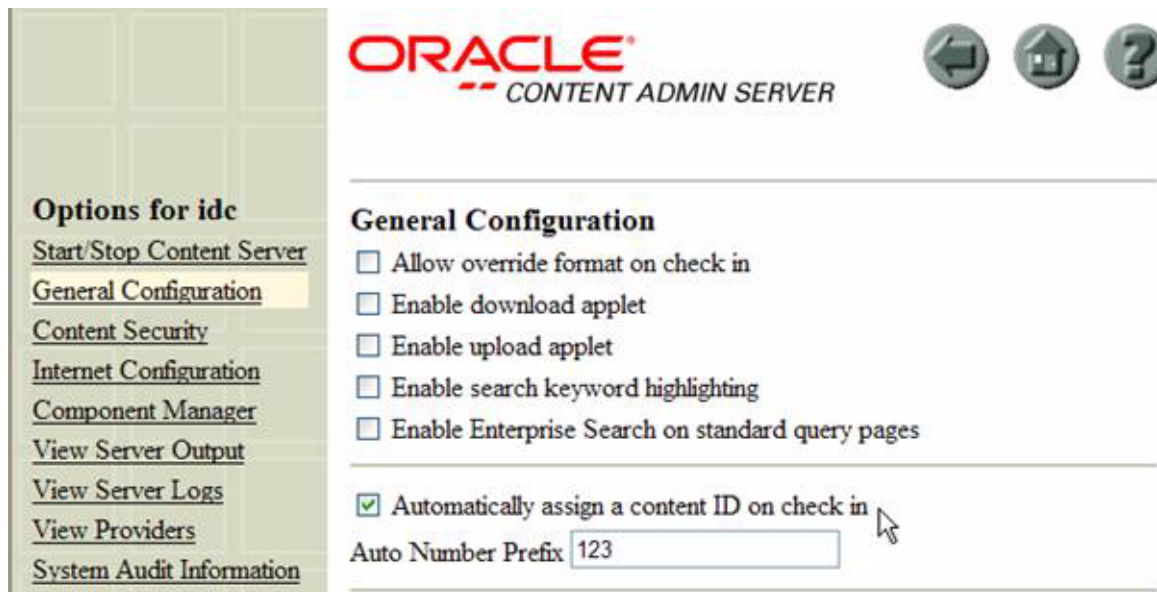
- [Configuring Oracle Universal Content Management to Auto-Assign Content IDs](#)
- [Configuring Oracle Universal Content Management Settings in Oracle WebCenter Configuration Manager](#)

2.5.1 Configuring Oracle Universal Content Management to Auto-Assign Content IDs

To configure Oracle Universal Content Management to auto-assign content IDs:

1. Log in to Oracle Universal Content Management.
2. Click **Administration**, then **Admin Server**.
3. Click the server name. [Figure 2-1](#) shows the options for the server named "idc."
4. On the left of the options dialog box, click **General Configuration**.
5. On the General Configuration page, select **Automatically assign a content ID on check in**. You do not must edit the **Auto Number Prefix**.

Figure 2-1 Oracle Content Admin Server dialog box - General Configuration Page



6. Click **Save**.
7. On the left, click **Start/Stop Content Server**.
8. On the Start/Stop Content Server page, click **Restart**.

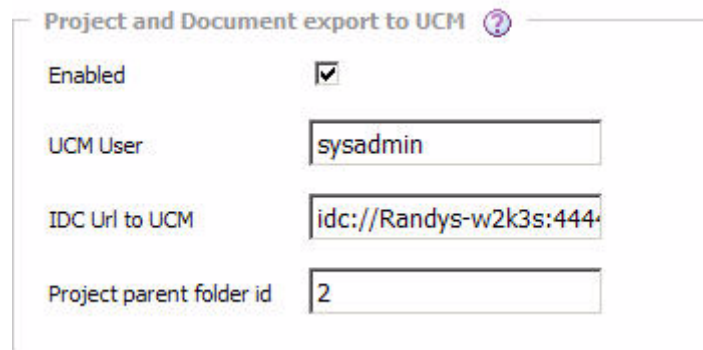
2.5.2 Configuring Oracle Universal Content Management Settings in Oracle WebCenter Configuration Manager

You must configure the settings in Oracle WebCenter Configuration Manager that tell Oracle WebCenter Collaboration how to communicate with Oracle Universal Content Management.

To configure Oracle Universal Content Management settings in Oracle WebCenter Configuration Manager:

1. Log in to Oracle WebCenter Configuration Manager.
2. Expand **Collaboration**, and click **Collaboration Settings**.
3. In the **Project and Document export to UCM** section:

Figure 2–2 Oracle Universal Content Management Settings in Oracle WebCenter Configuration Manager



Project and Document export to UCM ?	
Enabled	<input checked="" type="checkbox"/>
UCM User	<input type="text" value="sysadmin"/>
IDC Url to UCM	<input type="text" value="idc://Randys-w2k3s:444"/>
Project parent folder id	<input type="text" value="2"/>

- Select **Enabled** to enable users to export Oracle WebCenter Collaboration projects and documents to Oracle Universal Content Management. This adds an **Export to UCM** option on the **Manage Project** and **Publish** menus in the Oracle WebCenter Collaboration user interface.
 - In the **UCM User** box, type the name of the user used to content to Oracle Universal Content Management. This user must have sufficient rights to create and delete folders.
 - In the **IDC Url to UCM** box, type the URL used to connect to Oracle Universal Content Management programmatically: `idc://server_name:server_port`. The default port is 4444.
 - In the **Project parent folder id** box, type the name of the folder to use as the root folder. This folder is used in document export as the root of the folder tree. To obtain the root folder ID, browse content in Oracle Universal Content Management, then open the desired folder in a new tab or window. The ID appears in the query string as the value for the `dCollectionId` parameter.
4. Click **Save**.
 5. Restart Oracle WebCenter Collaboration for the settings to take effect.

2.6 Importing the Oracle WebCenter Collaboration Migration Package

This section describes how to import the Oracle WebCenter Collaboration migration package to create the portal objects used by Oracle WebCenter Collaboration.

To import the Oracle WebCenter Collaboration migration package:

1. Verify that the Search Server is running.
 2. Log on to the portal as a user who has administrative rights.
 3. From the Administration Select Utility drop-down list, use the Migration - Import utility to import the `collaboration.pte` file, which is located in the following location on the Oracle WebCenter Collaboration host machine:
 - **UNIX/Linux:** `install_dir/ptcollab/10.3.3/serverpackages/`
 - **Windows:** `install_dir\ptcollab\10.3.3\serverpackages\`
- Select **Overwrite Remote Servers**. If necessary, adjust other import settings.

For details on using the Migration - Import utility, see *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Interaction*.

2.7 Starting and Verifying the Installation

This section describes how to start Oracle WebCenter Collaboration and verify the installation. It includes the following sections:

- [Verifying Oracle WebCenter Interaction Services](#)
- [Starting the Oracle WebCenter Collaboration Service](#)
- [Running the Diagnostics Utility](#)

2.7.1 Verifying Oracle WebCenter Interaction Services

Verify that the following Oracle WebCenter Interaction services are running:

- Search Server
- API Service
- Automation Service
- Document Repository Service
- LDAP Directory Service
- Notification Service
- Search Service

For details on starting Oracle WebCenter Interaction services, see *Oracle Fusion Middleware Installation Guide for Oracle WebCenter Interaction for Windows* or *Oracle Fusion Middleware Installation Guide for Oracle WebCenter Interaction for Unix and Linux*.

2.7.2 Starting the Oracle WebCenter Collaboration Service

This section describes how to start the Oracle WebCenter Collaboration service. Follow the procedure appropriate to your environment.

2.7.2.1 Starting the Oracle WebCenter Collaboration Service on UNIX/Linux

To start the Oracle WebCenter Collaboration service on UNIX/Linux:

1. Verify that the Notification Service is started.
2. `cd` to `/opt/oracle/middleware/wci/ptcollab/10.3.3/bin`
`run ./ptcollaborationd.sh start`

Note: If Oracle WebCenter Collaboration is deployed on WebLogic Server, start the WebLogic domain on which Oracle WebCenter Collaboration is deployed. Do not start the Oracle WebCenter Collaboration daemon.

You can also start and stop the Oracle WebCenter Collaboration services using Oracle WebCenter Configuration Manager. Log in to Oracle WebCenter Configuration Manager using the user name Administrator and the password you specified during installation. Follow the instructions in Oracle WebCenter Configuration Manager to start each service. If Oracle WebCenter Collaboration is deployed on WebLogic Server, you cannot start it from Oracle WebCenter Configuration Manager.

2.7.2.2 Starting the Oracle WebCenter Collaboration Service on Windows

To start the Oracle WebCenter Collaboration service on Windows:

1. Click **Start, Control Panel, Administrative Tools**, then **Services**.
2. Verify that the Notification Service is started.
3. Start **Oracle WC Collaboration**.

Note: You can also start and stop the Oracle WebCenter Collaboration service using Oracle WebCenter Configuration Manager. Log in to Oracle WebCenter Configuration Manager using the user name `Administrator` and the password you specified during installation. Follow the instructions in Oracle WebCenter Configuration Manager to start the service. If Oracle WebCenter Collaboration is deployed on WebLogic Server, you cannot start it from Oracle WebCenter Configuration Manager.

If Oracle WebCenter Collaboration is deployed on WebLogic Server, start the WebLogic domain on which Oracle WebCenter Collaboration is deployed. Do not start the Oracle WCI Collaboration service.

2.7.3 Running the Diagnostics Utility

To verify that Oracle WebCenter Collaboration is functioning correctly, access and analyze the Collaboration Diagnostics page:

`http://<mycollabserver>:<mycollabport>/collab/admin/diagnostic`

For more information on using the Collaboration Diagnostics page, see *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Collaboration*.

Check the `collaboration.log` file for any errors. This file is found in the `/opt/oracle/middleware/wci/ptcollab/10.3.3/settings/logs` directory.

This chapter describes the steps necessary to upgrade from Oracle WebCenter Collaboration 10.3 or 10.3.0.1 to Oracle WebCenter Collaboration 10.3.3.

1. Ensure that you have met the prerequisites for upgrade. For details, see [Section 1, "Prerequisites"](#).
2. Run the Oracle WebCenter Collaboration installer. For details, see [Section 3.1, "Running the Installer During Upgrade"](#).
3. Upgrade the portal and Oracle WebCenter Collaboration databases. Run the Oracle WebCenter Collaboration database upgrade script appropriate for your previous version of Oracle WebCenter Collaboration. For details, see [Section 3.2, "Upgrading the Portal and Oracle WebCenter Collaboration Databases."](#)
4. If Oracle WebCenter Collaboration is running on the embedded application server, delete the work\collab directory from *install_dir\common\container\tomcat\6.0.14*, and restart Oracle WebCenter Collaboration.
5. **(Image Service on IIS only)** Configure the Image Service to work with the Notification Service. For details, see [Section 2.4, "Configuring the Image Service for Notification Emails."](#)
6. **(Optional)** Configure Oracle WebCenter Collaboration integration with Oracle Universal Content Management. You only must perform this step if you want to export Oracle WebCenter Collaboration projects or documents to Oracle Universal Content Management. For details, see [Section 2.5, "Configuring Oracle WebCenter Collaboration Integration with Oracle Universal Content Management."](#)
7. Import the Oracle WebCenter Collaboration migration package. For details, see [Section 2.6, "Importing the Oracle WebCenter Collaboration Migration Package."](#)
8. Start Oracle WebCenter Collaboration and verify the installation. For details, see [Section 2.7, "Starting and Verifying the Installation."](#)
9. Rebuild the Oracle WebCenter Collaboration search collection. For details, see [Section 3.3, "Rebuilding the Oracle WebCenter Collaboration Search Collection."](#)
10. Enable the wiki and/or blog feature on existing Oracle WebCenter Collaboration projects. For details about wikis and blogs and how to enable them, see the *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Interaction*.

3.1 Running the Installer During Upgrade

To run the installer during upgrade:

1. Back up the portal and Oracle WebCenter Collaboration databases. This enables you to recover your data if there is a problem during upgrade. For more information, see your database documentation.
2. Stop Oracle WebCenter Collaboration.
3. Stop the Search Server, Automation Service, and Document Repository Service.
4. Back up the Document Repository directory on the file system. By default, this directory is located in:
 - (UNIX/Linux) /opt/oracle/middleware/wci/ptdr/documents/PTCollab
 - (Windows) C:\Oracle\Middleware\wci\ptdr\documents\PTCollab
5. Clear the Embedded Servlet Engine's work directory. This enables you to recover your data if there is a problem during upgrade. By default, this directory is located in:
 - (UNIX/Linux)
/opt/oracle/middleware/wci/common/container/tomcat/<version>/work
 - (Windows)
C:\Oracle\Middleware\wci\common\container\tomcat\<version>\work
6. Copy the installer file to the directory where you installed the previous version of Oracle WebCenter Collaboration. This allows the installer to use the silent properties file created by previous installations. For more information on using the silent properties file, see [Appendix B, "Silent Properties File."](#)

If you want to install to a new location or do not want to use the silent properties file, you can launch the installer from any location on the Oracle WebCenter Collaboration host machine.
7. Install the Oracle WebCenter Collaboration components as described in [Section 2.1, "Installing the Oracle WebCenter Collaboration Components."](#)
8. (Windows only) When the installer prompts you, reboot the machine. If you do not reboot, certain PATH environment variable changes might not take effect, and you will get errors when you try to deploy and start the applications.

3.2 Upgrading the Portal and Oracle WebCenter Collaboration Databases

This section describes how to upgrade the portal and Oracle WebCenter Collaboration databases.

Note: If you are upgrading Oracle from 10.1.x to 10.2.x or SQL Server from 2000 to 2005, you should perform the Oracle or SQL Server upgrade before upgrading the databases.

As the Oracle WebCenter Collaboration database user, run the upgrade script appropriate to your database vendor on the Oracle WebCenter Collaboration database:

Microsoft SQL Server:

- `install_dir\ptcollab\10.3.3\sql\mssql\collaboration-server-10.3.0.x-to-10.3.3.0.0-upgrade.sql`

Oracle:

- *install_dir*/ptcollab/10.3.3/sql/oracle/unix/collaboration-server-10.3.0.x-to-10.3.3.0.0-upgrade.sql
- *install_dir*\ptcollab\10.3.3\sql\oracle\windows\collaboration-server-10.3.0.x-to-10.3.3.0.0-upgrade.sql

Follow the database upgrade instructions appropriate to your previous version of Oracle WebCenter Collaboration as described in the following table:

Upgrade Path	Database Upgrade Instructions
4.2 MP1 to 10.3 4.2 to 10.3	As the Oracle WebCenter Collaboration database user, run the following script on the Oracle WebCenter Collaboration database: <ul style="list-style-type: none"> ■ collaboration-server-4.2.0-to-10.3.0-upgrade.sql
4.1 SP2 to 10.3	As the Oracle WebCenter Collaboration database user, run the following scripts in sequential order on the Oracle WebCenter Collaboration database: <ul style="list-style-type: none"> ■ collaboration-server-4.1.2-to-4.2.0-upgrade.sql ■ collaboration-server-4.2.0-to-10.3.0-upgrade.sql As the portal database user, run the following script on the portal database: <ul style="list-style-type: none"> ■ portal-collaboration-server-upgrade.sql
4.1 SP1 to 10.3 4.1 to 10.3	As the Oracle WebCenter Collaboration database user, run the following scripts in sequential order on the Oracle WebCenter Collaboration database: <ul style="list-style-type: none"> ■ collaboration-server-4.1.1-to-4.1.2-upgrade.sql ■ collaboration-server-4.1.2-to-4.2.0-upgrade.sql ■ collaboration-server-4.2.0-to-10.3.0-upgrade.sql As the portal database user, run the following script on the portal database: <ul style="list-style-type: none"> ■ portal-collaboration-server-upgrade.sql
4.0.2 to 10.3	As the Oracle WebCenter Collaboration database user, run the following scripts in sequential order on the Oracle WebCenter Collaboration database: <ul style="list-style-type: none"> ■ collaboration-server-4.0.2-to-4.1.1-upgrade.sql ■ collaboration-server-4.1.1-to-4.1.2-upgrade.sql ■ collaboration-server-4.1.2-to-4.2.0-upgrade.sql ■ collaboration-server-4.2.0-to-10.3.0-upgrade.sql As the portal database user, run the following script on the portal database: <ul style="list-style-type: none"> ■ portal-collaboration-server-upgrade.sql

3.3 Rebuilding the Oracle WebCenter Collaboration Search Collection

This section describes how to rebuild the Oracle WebCenter Collaboration search collection.

To rebuild the Oracle WebCenter Collaboration search collection:

1. Log on to the portal as a portal administrator.
2. Click **Administration**.

3. Choose the **Collaboration Administration** utility.
4. Click **Search Service**.
5. Click **Rebuild Search Collection**.
6. Click **OK**.

A

Installing the Exchange Remote API to Enable Groupware Integration

This appendix describes how to install the Exchange Remote API, which you use to integrate with Microsoft Exchange.

Note: The Exchange Remote API must be installed on a Windows machine. You can install the Exchange Remote API on either the Oracle WebCenter Collaboration host or on a different machine. You can run the Exchange Remote API installer before or after installing Oracle WebCenter Collaboration.

To install the Exchange Remote API:

1. Install .NET 2.0 on the machine that will host the Exchange Remote API.
This must be downloaded from the Microsoft Web site (<http://www.microsoft.com>).
2. Install Microsoft Web Services Enhancement 2.0 on the machine that will host the Exchange Remote API.
This must be downloaded from the Microsoft Web site (<http://www.microsoft.com/>).
3. Install the Exchange Remote API. For details, see [Section A.1, "Running the Exchange Remote API Installer"](#).
4. Enable Groupware integration using Oracle WebCenter Configuration Manager. This step cannot be completed until after you run the Oracle WebCenter Collaboration installer. For more information on enabling Groupware integration, see *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Collaboration*.

A.1 Running the Exchange Remote API Installer

This section describes how to run the Exchange Remote API installer.

To run the Exchange Remote API installer:

1. Double-click the installation file `WebCenterCollaborationExchangeRemoteAPI_10.3.3.0.0.exe`. This file is located in the Collaboration CD or download, in the same directory as the `WebCenterCollaboration_10.3.3.0.0.exe` installation file.
2. Complete the following installer screens:

Table A-1 Exchange Remote API Installer Screens

Installer Screen	Description
Introduction	Provides general information on using the installer.
Installation Folder	Accept the default installation folder or select a different folder in which to install the Exchange Remote API.
Select IIS Web Site	Choose to deploy to the Default Web Site or another Web site.
Specify IIS Web Site Information	If you choose to deploy the Exchange Remote API to a Web site other than the default Web site, enter the IIS Web site name, HTTP, and HTTPS ports. 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.
Pre-Installation	Confirm the installation folder.
Summary	Click Install .
Install Complete	Choose to restart the system now or restart it manually. The system must be restarted to complete the installation. Click Done .

Silent Properties File

When you install Oracle WebCenter Collaboration, the installer creates the file `ptcollab_silent.properties` in the directory where Oracle WebCenter Collaboration is installed. Once you have created a silent properties file on one computer, you can reuse it when you install Oracle WebCenter Collaboration on other computers so that you do not have to re-enter deployment information every time you use the installer. During a “silent” install, the information required by the installation dialogs is read from the properties file.

A silent install may be run from the command line as follows:

```
<full_Path_To_Installer>/WebCenterCollaboration_<version> -f  
<full_Path_To_Properties_File>/ptcollab_silent.properties
```

For example:

```
<full_Path_To_Installer>/WebCenterCollaboration_10.3.3.0.0 - f  
<full_Path_To_Properties_File>/ptcollab_silent.properties
```

A silent install can be useful for distribution of the product across a uniform set of machines.



Uninstalling Oracle WebCenter Collaboration

This appendix discusses how to uninstall Oracle WebCenter Collaboration.

Note: Performing an uninstallation removes the core application from the Oracle WebCenter Collaboration host machine. Removing Oracle WebCenter Collaboration image service files from the Image Service host machine is not supported.

C.1 Uninstalling Oracle WebCenter Collaboration on UNIX/Linux

To uninstall Oracle WebCenter Collaboration on UNIX and Linux platforms, navigate to `/opt/oracle/middleware/wci/uninstall/ptcollab/10.3.3/` and run the command `./uninstallWebCenter Collaboration`.

C.2 Uninstalling Oracle WebCenter Collaboration on Windows

To uninstall Oracle WebCenter Collaboration on Windows, use **Add/Remove Programs** to remove **Oracle WebCenter Collaboration**.

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