

Oracle® Collaboration Suite

Quick Installation Guide

10g Release 1 (10.1.1) for AIX 5L Based Systems (64-bit)

B19094-01

October 2005

ORACLE®

Copyright © 2005, Oracle. All rights reserved.

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software--Restricted Rights (June 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

Oracle, JD Edwards, PeopleSoft, and Retek are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

Introduction

This guide describes how to install Oracle Collaboration Suite.

Contents of this Guide

- [Documentation Accessibility](#)
- [Installation Types Covered in This Guide](#)
- [Starting the Installer](#)
- [Performing Basic Installation](#)
- [Performing Infrastructure and Applications Installation](#)
- [Performing Multiple-Computer Installation](#)
- [Postinstallation Tasks](#)
- [Checking Requirements](#)
- [Accessing the Welcome Page](#)
- [Additional Resources](#)

Documentation Accessibility

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

<http://www.oracle.com/accessibility/>

Accessibility of Code Examples in Documentation

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

Accessibility of Links to External Web Sites in Documentation

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

TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, seven days a week. For TTY support, call 800.446.2398.

Installation Types Covered in This Guide

This guide is intended for users who want to install Oracle Collaboration Suite in these configurations:

- **Oracle Collaboration Suite Infrastructure and Applications Installation on a Single Computer**

This topology installs Oracle Collaboration Suite on one computer. Both Oracle Collaboration Suite Infrastructure and Oracle Collaboration Suite Applications are installed on the same computer.

- **Multiple-Computer Installation**

This topology installs Oracle Collaboration Suite Infrastructure on one computer and Oracle Collaboration Suite Applications on a separate computer.

If you want more complex topologies, read the *Oracle Collaboration Suite Installation Guide for AIX Based Systems* for complete installation instructions.

Before installing Oracle Collaboration Suite, you should read the *Oracle Collaboration Suite Release Notes for AIX Based Systems* for the latest information.

Starting the Installer

Running the rootpre.sh Script

If you are installing Oracle software on an AIX system for the first time, then perform the following steps:

1. Log in as the root user.
2. Insert the Oracle Collaboration Suite DVD-ROM in to the DVD-ROM drive.
3. Enter the following command:

```
# mount_point/rootpre/rootpre.sh
```

Starting the Installer

In the following instructions, the disc mount point is referred to as `/DVD`. If your mount point is different, substitute the correct mount point name for all references to `/DVD`.

To start the installer:

1. Ensure that you have checked all the minimum requirements listed in [Checking Requirements](#).
2. Log in to the computer as the user who will install Oracle Collaboration Suite.
3. Insert the disk:
Insert the Oracle Collaboration Suite DVD.
4. If your computer does not have automount capability, see [Mounting the DVD-ROM](#) for steps on mounting the DVD-ROM manually.
5. Start up the installer:

Note: Do not run the installer from the mount point directory. Note the "cd" command below; it changes your current directory to your home directory so that you do not start up the installer from the mount point.

DVD-ROM:

```
prompt> cd  
prompt> /DVD/collaboration_suite/runInstaller
```

This launches Oracle Universal Installer, through which you can install Oracle Collaboration Suite.

Mounting the DVD-ROM

Follow these steps if your computer does not automatically mount the DVD-ROM:

1. Insert the DVD.
2. Log in as the root user:

```
prompt> su - root  
Password:
```

3. Create the DVD-ROM mount point directory:

```
prompt> mkdir dvdrom_mount_point_directory
```

4. Mount the DVD-ROM drive on the mount point directory:

```
prompt> /usr/sbin/mount -rv cdrfs /dev/cdrom /dvd
```

In the preceding example, `/dvd` is the disc mount point directory and `/dev/cdrom` is the device name for the disc device.

5. If Oracle Universal Installer displays the Disk Location dialog box, enter the disc mount point directory path, for example:

```
/dvd
```

6. Log out from the `root` user.

```
prompt> exit
```

Performing Basic Installation

To install Oracle Collaboration Suite on one computer using the Basic installation method:

1. Start the installer. See [Starting the Installer](#) for details.
2. Select Installation Method screen

Basic Installation: Select this installation method to quickly install Oracle Collaboration Suite. This installation method requires minimal user input. It installs the software using the following information that you specify on this screen:

- **Installation Directory:** Specify the full path to the directory where you want to install the software (the Oracle home directory).
- **Password:** Specify a common password for the administrative accounts (schema).
- **Confirm Password:** Reenter the password you specified previously to confirm that it is correct.
- Click **Select Components** to display the Select Components to Configure screen. This screen allows you to deselect the components that you do not want to configure during the install.
- Click **Set Languages** to display the Language Selection screen. This screen allows you to select the language in which Oracle Collaboration Suite will be installed.

Note: The default language selected in the Selected Languages list is English. However if the language of the operating system of the computer on which you are installing Oracle Collaboration Suite is not English, then that language will also be automatically added to Selected Languages list. As a result, two languages, English and the locale language of your operating system, will be installed as a part of the basic Oracle Collaboration Suite installation.

Advanced Installation: Select this installation method if you want to:

- Perform a custom software installation, or choose a different database configuration.
- Select an installation type.
- Enable an existing database.
- Select different product languages.
- Specify different passwords for administrative schemas.

Select **Basic Installation** and click **Next**.

3. If this is the first Oracle product to be installed on this computer, the installer displays these additional screens:

a. Specify Inventory Directory and Credentials screen

Enter the full path of the inventory directory: Enter a full path to the inventory directory. Enter a directory that is different from the Oracle home directory for the product files.

Example: `/home/oracle/oraInventory`

Specify operating system group name: Select the operating system group that will have write permission for the inventory directory.

Example: `oinstall`

Click **Next**.

b. Run oraInstRoot.sh dialog box

Run the `oraInstRoot.sh` script in a different shell as the root user. The script is located in the inventory directory.

After running the script, click **Continue**.

4. Summary screen

Verify your selections and click **Install**.

The installer now installs the files.

5. Run root.sh dialog box

Note: Do not run the `root.sh` script until this dialog box appears.

When you see this dialog box, run the `root.sh` script in a different shell as the `root` user. The script is located in the Oracle home directory of this instance.

Note: During the `root.sh` prompt, you might get some warning messages. Ignore the messages and continue with the installation.

Click **OK**.

6. Configuration Assistants screen

This screen displays the progress of configuration assistants. Configuration assistants configure Oracle Collaboration Suite components.

7. End of Installation screen

Click **Exit** to quit the installer.

Note: The information displayed at the end of the installation is also available in the `$ORACLE_HOME/install/setupinfo.txt` file. This file contains summarized information about Oracle Collaboration Suite and links to the URLs.

Performing Infrastructure and Applications Installation

This topology installs Oracle Collaboration Suite on one computer, which provides the following components:

- Oracle Collaboration Suite Database
- Identity Management
- Oracle Collaboration Suite Applications

To install Oracle Collaboration Suite on one computer:

1. Start the installer. See [Starting the Installer](#) for details.
2. Select Installation Method screen

Select Advanced Installation and click **Next**.

3. If this is the first Oracle product to be installed on this computer, the installer displays these additional screens:

a. Specify Inventory Directory and Credentials screen

Enter the full path of the inventory directory: Enter a full path to the inventory directory. Enter a directory that is different from the Oracle home directory for the product files.

Example: `/home/oracle/oraInventory`

Specify operating system group name: Select the operating system group that will have write permission for the inventory directory.

Example: `oinstall`

Click **Next**.

b. Run oraInstRoot.sh dialog box

Run the `oraInstRoot.sh` script in a different shell as the root user. The script is located in the inventory directory.

After running the script, click **Continue**.

4. Specify File Locations screen (Advanced installation only)

Name: Enter a name to identify this Oracle home.

Example: `infra_home_10_1_1`

Destination Path: Enter the full path to the destination directory. This is the Oracle home. If the destination directory does not exist, the installer creates it.

Example: `home/oracle/orainfra`

Click **Next**.

5. Select a Product to Install screen (Advanced installation only)

Select **Oracle Collaboration Suite Infrastructure and Applications 10.1.1.0.2** and click **Next**.

6. Language Selection screen (Advanced installation only)

This screen enables you to select the language in which Oracle Collaboration Suite components will run.

Select the required language or languages from the Available Languages list and add them to the Selected Languages list.

Click **Next**.

7. Collaboration Suite Infrastructure and Applications Methodology screen (Advanced installation only)

Read the instructions on the screen carefully.

Click **Next**.

8. Select Components to Configure screen (Advanced installation only)

Select the Oracle Collaboration Suite Applications components that you want to install.

Click **Next**.

Note: If at any time during installation (before you click the **Install** button) you need to make changes to the list of applications that you want configured, then you will have to exit out of the installation and restart it.

9. Specify Namespace in Internet Directory screen (Advanced installation only)

Select suggested namespace and click **Next**.

10. Specify Database Configuration Options screen (Advanced installation only)

Global Database Name: Enter a name for Oracle Collaboration Suite Database, and append your domain name to the database name.

Example: `orcl.yourcompany.com`

SID: Enter the system identifier for the Oracle Collaboration Suite Database. Typically this is the global database name, but

without the domain name. The SID must be unique across all databases.

Example: `orcl`

Specify Database File Location: Specify the full path to the parent directory for the data files directory. The directory you specify must exist, and you must have write permissions to it.

The installer installs the data files in a subdirectory of the path you specify. The installer uses the database name for the name of the subdirectory. For example, if you specify `orcl.yourcompany.com` for the global database name and `/data/dbfiles` for the database file location, the installer places database files in the following directory:
`/data/dbfiles/orcl`

Click **Next**.

11. Specify Database Schema Passwords screen (Advanced installation only)

Set the passwords for the administrative database users, which are privileged accounts used for database administration. You can use the same password for all users, or specify different passwords for each user.

Click **Next**.

12. Specify Application Passwords screen (Advanced installation only)

Set passwords for administrative accounts that are created for the applications that you selected during installation.

Click **Next**.

13. Specify Oracle Mail Domain Information screen (Advanced installation only)

Local Domain: Specify the local (network) domain for IMAP/SMTP, or other mail protocols.

Click **Next**.

14. Specify Port Configuration Options screen (Advanced installation only)

Select **Automatic** and click **Next**.

Note: The Automatic option only uses ports in the range 7777-7877 for Oracle HTTP Server and 4443-4543 for Oracle HTTP Server with SSL. If you need to set the port numbers as 80 for Oracle HTTP Server and 443 for Oracle HTTP Server with SSL, then you must select the **Manually Specify Ports** option.

15. Summary screen

Verify your selections and click **Install**.

The installer now installs the files.

16. Run root.sh dialog box

Note: Do not run the `root.sh` script until this dialog box appears.

When you see this dialog box, run the `root.sh` script in a different shell as the `root` user. The script is located in the Oracle home directory of this instance.

Note: During the `root.sh` prompt, you might get some warning messages. Ignore the messages and continue with the installation.

Click **OK**.

This dialog box appears twice for the single-computer installation, once during infrastructure installation and next during the application tier installation.

17. Configuration Assistants screen

This screen displays the progress of configuration assistants. Configuration assistants configure Oracle Collaboration Suite components.

18. End of Installation screen

Click **Exit** to quit the installer.

Note: The information displayed at the end of the installation is also available in the `$ORACLE_HOME/install/setupinfo.txt` file. This file contains summarized information about Oracle Collaboration Suite and links to the URLs.

Performing Multiple-Computer Installation

This topology installs Oracle Collaboration Suite Infrastructure on one computer and Oracle Collaboration Suite Applications on a separate computer.

Setting up the multiple-computer topology involves:

1. [Installing Oracle Collaboration Suite Infrastructure](#)
2. [Installing Oracle Collaboration Suite Applications](#)

Because Oracle Collaboration Suite Applications use services from the Oracle Collaboration Suite Infrastructure, you must install the infrastructure first.

Installing Oracle Collaboration Suite Infrastructure

To install Oracle Collaboration Suite Infrastructure with a new database and a new Oracle Internet Directory:

1. Start the installer. See [Starting the Installer](#) for details.
2. Select Installation Method screen

Select Advanced Installation and click **Next**.

3. If this is the first Oracle product to be installed on this computer, the installer displays these additional screens:

- a. Specify Inventory Directory and Credentials screen

Enter the full path of the inventory directory: Enter a full path to the inventory directory. Enter a directory that is different from the Oracle home directory for the product files.

Example: `/home/oracle/oraInventory`

Specify operating system group name: Select the operating system group that will have write permission for the inventory directory.

Example: `oinstall`

Click **Next**.

b. Run oraInstRoot.sh dialog box

Run the oraInstRoot.sh script in a different shell as the root user. The script is located in the inventory directory.

After running the script, click **Continue**.

4. Specify File Locations screen (Advanced installation only)

Name: Enter a name to identify this Oracle home.

Example: infra_home_10_1_1

Destination Path: Enter the full path to the destination directory. This is the Oracle home. If the destination directory does not exist, Oracle Universal Installer creates it.

Example: home/oracle/orainfra

Click **Next**.

5. Select a Product to Install screen (Advanced installation only)

Select **Oracle Collaboration Suite Infrastructure 10.1.1.0.2** and click **Next**.

6. Select Installation Type screen (Advanced installation only)

Select **Identity Management and Oracle Collaboration Suite Database** and click **Next**.

7. Language Selection screen (Advanced installation only)

This screen enables you to select the language in which Oracle Collaboration Suite components will run.

Select the required language or languages from the Available Languages list and add them to the Selected Languages list.

Click **Next**.

8. Select Configuration Options screen (Advanced installation only)

Select **Oracle Internet Directory**.

Select **OracleAS Single Sign-On**.

Select **Delegated Administration Service**.

Select **Oracle Directory Integration and Provisioning**.

Do not select **OracleAS Certificate Authority**.

Do not select **High Availability and Replication**.

Click **Next**.

9. Specify Namespace in Internet Directory screen (Advanced installation only)

Select suggested namespace and click **Next**.

10. Specify Port Configuration Options screen (Advanced installation only)

To use default ports for the components, select **Automatic**.

If you do not want to use the default ports, then select **Manually specify ports** and select the component for which you want to select the port.

Note: The Automatic option only uses ports in the range 7777-7877 for Oracle HTTP Server and 4443-4543 for Oracle HTTP Server with SSL. If you need to set the port numbers as 80 for Oracle HTTP Server and 443 for Oracle HTTP Server with SSL, then you must select the **Manually Specify Ports** option.

Click **Next**.

11. Guest Account Password screen (Advanced installation only)

Enter and confirm the password for the guest account and click **Next**.

12. Specify Database Configuration Options screen (Advanced installation only)

Global Database Name: Enter a name for the Oracle Collaboration Suite Database database, and append your domain name to the database name.

Example: `orcl.yourcompany.com`

SID: Enter the system identifier for the Oracle Collaboration Suite Database. Typically this is the global database name, but without the domain name. The SID must be unique across all databases.

Example: `orcl`

Specify Database File Location: Specify the full path to the parent directory for the data files directory. The directory you specify must exist, and you must have write permissions to it.

The installer installs the data files in a subdirectory of the path you specify. The installer uses the database name for the name of the subdirectory. For example, if you specify `orcl.yourcompany.com` for the global database name and `/data/dbfiles` for the database file location, the installer places database files in the following directory:
`/data/dbfiles/orcl`

Click **Next**.

13. Specify Database Schema Passwords screen (Advanced installation only)

Set the passwords for the administrative database users, which are privileged accounts used for database administration. You can use the same password for all users, or specify different passwords for each user.

Click **Next**.

14. Specify Instance Name and ias_admin Password screen (Advanced installation only)

Instance Name: Enter a name for this instance. Instance names can contain the dollar (\$) and underscore (_) characters in addition to any alphanumeric characters. If you have more than one Oracle Collaboration Suite instance on a computer, the instance names must be unique.

Example: *infra*

ias_admin Password and Confirm Password: Enter and confirm the password for the `ias_admin` user. This is the administrative user for this instance.

Passwords must consist of at least five characters, and one of the characters must be a number.

For example: welcome99

Click **Next**.

15. Summary screen

Verify your selections and click **Install**.

The installer now installs the files.

16. Run root.sh dialog box

Note: Do not run the `root.sh` script until this dialog box appears.

When you see this dialog box, run the `root.sh` script in a different shell as the `root` user. The script is located in the Oracle home directory of this instance.

Note: During the `root.sh` prompt, you might get some warning messages. Ignore the messages and continue with the installation.

Click **OK**.

17. Configuration Assistants screen

This screen displays the progress of configuration assistants. Configuration assistants configure Oracle Collaboration Suite components.

18. End of Installation screen

Click **Exit** to quit the installer.

Note: The information displayed at the end of the installation is also available in the `$ORACLE_HOME/install/setupinfo.txt` file. This file contains summarized information about Oracle Collaboration Suite and links to the URLs.

Installing Oracle Collaboration Suite Applications

Before you start installing Oracle Collaboration Suite Applications, you must perform the preinstallation task discussed in the following subsection.

Preinstallation Task

Before you install the Applications tier, check if sendmail is running by using the following command:

```
prompt> ps -elf | grep sendmail
```

If sendmail is running, shut it down as the `root` user as follows:

```
prompt> /usr/bin/stopsrc -s sendmail
```

Oracle Collaboration Suite Applications Installation Procedure

The following procedure installs Oracle Collaboration Suite Applications and configures it to use the Oracle Collaboration Suite Infrastructure installed according to the steps explained in [Installing Oracle Collaboration Suite Infrastructure](#).

1. Start the installer. See [Starting the Installer](#) for details.
2. Select Installation Method screen

Select Advanced Installation and click **Next**.

3. If this is the first Oracle product to be installed on this computer, the installer displays these additional screens:
 - a. Specify Inventory Directory and Credentials screen
(Advanced installation only)

Enter the full path of the inventory directory: Enter a full path to the inventory directory. Enter a directory that is different from the Oracle home directory for the product files.

Example: */home/oracle/oraInventory*

Specify operating system group name: Select the operating system group that will have write permission for the inventory directory.

Example: `oinstall`

Click **Next**.

- b. Run oraInstRoot.sh dialog box (Advanced installation only)

Run the `oraInstRoot.sh` script in a different shell as the `root` user. The script is located in the inventory directory.

After running the script, click **Continue**.

4. Specify File Locations screen (Advanced installation only)

Name: Enter a name to identify this Oracle home.

Example: `apptier_home_10_1_1`

Destination Path: Enter the full path to the destination directory. This is the Oracle home. If the destination directory does not exist, the installer creates it.

Example: `home/oracle/oraapptier`

Click **Next**.

5. Specify Hardware Cluster Installation Mode screen
(Advanced installation only)

This screen appears only if the computer is part of a hardware cluster.

If you are installing Oracle Collaboration Suite Applications, select Local Installation because hardware clusters are not supported for Oracle Collaboration Suite Applications.

Click **Next**.

6. Select a Product to Install screen (Advanced installation only)

Select **Oracle Collaboration Suite Applications 10.1.1.0.2**.

To install additional languages, click **Product Languages**.

Click **Next**.

7. Language Selection screen (Advanced installation only)

This screen enables you to select the language in which Oracle Collaboration Suite components will run.

Select the required language or languages from the Available Languages list and add them to the Selected Languages list.

Click **Next**.

8. Select Components to Configure screen (Advanced installation only)

Select the Oracle Collaboration Suite Applications components that you would like to configure during the installation.

Click **Next**.

Note: If at any time during the installation (before you click the **Install** button) you need to make changes to the list of applications that you want configured, then you will have to exit out of the installation and restart it.

9. Register with Oracle Internet Directory (Advanced installation only)

Host: Enter the name of the computer where Oracle Internet Directory is running.

Port: Enter the port number at which Oracle Internet Directory is listening. If you do not know the port number, see the `portlist.ini` file for the port of Oracle Internet Directory. This file is located in the `ORACLE_HOME/install` directory.

Use SSL to connect to Oracle Internet Directory: Select this option if you want Oracle Collaboration Suite components to use only SSL to connect to Oracle Internet Directory.

Click **Next**.

10. Specify UserName and Password for Oracle Internet Directory screen (Advanced installation only)

Username: Enter the user name to use to log in to Oracle Internet Directory. Use `cn=orcladmin` as the user name if you are the Oracle Internet Directory Superuser.

Password: Enter the user password.

Click **Next**.

11. OracleAS Metadata Repository screen (Advanced installation only)

Database Connection String: Select the OracleAS Metadata Repository that you want to use for this application tier instance. The installer will register this instance with the selected OracleAS Metadata Repository.

Click **Next**.

12. Select Database for Components screen (Advanced installation only)

This screen shows the database to be used for each of the components that you earlier selected in the Select Components to Configure screen.

Click **Next**.

13. Specify Port Configuration Options screen (Advanced installation only)

To use default ports for the components, select **Automatic**.

If you do not want to use the default ports, then select **Manually specify ports** and select the component for which you want to specify the port.

Note: The Automatic option only uses ports in the range 7777-7877 for Oracle HTTP Server and 4443-4543 for Oracle HTTP Server with SSL. If you need to set the port numbers as 80 for Oracle HTTP Server and 443 for Oracle HTTP Server with SSL, then you must select the **Manually Specify Ports** option.

Click **Next**.

14. Specify Administrative Password and Instance Name screen (Advanced installation only)

Instance Name: Specify the name of the OracleAS instance for the Oracle Collaboration Suite administrative accounts.

Administrative Password: Specify the initial password for the Oracle Collaboration Suite administrative accounts.

Confirm Password: Confirm the password.

Click **Next**.

15. Oracle Calendar Server Host Alias screen (Advanced installation only)

Host or Alias: Specify either the host address or the alias of the Calendar server instance.

Note: Oracle recommends that you use alias in place of host name if later you may want to move the Calendar server instance or change the host name. Specify the host name if an alias is not configured.

Click **Next**.

16. Specify Oracle Mail Domain Information screen (Advanced installation only)

Local Domain: Specify the local (network) domain for IMAP/SMTP, or other mail protocols.

Click **Next**.

17. Summary screen

Verify your selections and click **Install**.

The installer now installs the files.

18. Run root.sh dialog box

Note: Do not run the `root.sh` script until this dialog box appears.

When you see this dialog box, run the `root.sh` script in a different shell as the `root` user. The script is located in the Oracle home directory of this instance.

Click **OK**.

19. Configuration Assistants screen

This screen displays the progress of configuration assistants. Configuration assistants configure Oracle Collaboration Suite components.

20. End of Installation screen

Click **Exit** to quit the installer.

Note: The information displayed at the end of the installation is also available in the `$ORACLE_HOME/install/setupinfo.txt` file. This file contains summarized information about Oracle Collaboration Suite and links to the URLs.

Postinstallation Tasks

After you have installed Oracle Collaboration Suite Applications, perform the following steps:

1. If you have installed Oracle Mail, log in as `root`.
2. Set `ORACLE_HOME`.
3. Start the TNS listener as follows:

```
tnslsnr listener_es -user user_id -group group_id
```

Checking Requirements

Check that your computer meets the minimum requirements:

- [Checking Hardware Requirements](#)
- [Checking Software Requirements](#)
- [Checking Shell Limits and System Configuration Parameters](#)
- [Creating an Operating System Group for the Inventory Directory](#)
- [Creating an Operating System User](#)
- [Checking Environment Variables](#)

- [Checking If Port 1521 Is in Use](#)

Checking Hardware Requirements

Your computer must meet the hardware requirements mentioned in the following sections.

Processor and Network Requirements

- All AIX Common Hardware Reference Platform (64-bit) processors.

If the processor is 64-bit the following command returns the value 64:

```
prompt> /usr/bin/getconf HARDWARE_BITMODE
```

- 450 MHz or greater processor speed is recommended.
- The computer must be connected to a network. You cannot install Oracle Collaboration Suite on a standalone computer.
- The IP address of the computer must be static. Oracle Collaboration Suite does not support systems using dynamic host configuration protocol (DHCP).

Other System Requirements

[Table 1](#) shows other system requirements.

Table 1 Minimum System Requirements

Item	Minimum Requirement	Command
Memory	Oracle Collaboration Suite Infrastructure: 1 Gigabyte (GB)	prompt> /usr/sbin/lsattr -E -l sys0 -a realmem
	Oracle Collaboration Suite Applications: 1 GB	
	Oracle Collaboration Suite Database: 1 GB	
	Note: For Oracle Collaboration Suite Infrastructure and Applications installation on a single computer, 2 GB or more is recommended.	
Disk space	Oracle Collaboration Suite Infrastructure: 10 GB	prompt> df -k dir
	Oracle Collaboration Suite Applications: 5.5 GB	Replace <i>dir</i> with the Oracle home directory or with the parent directory if the Oracle home directory does not exist yet.
	Oracle Collaboration Suite Database: 5.5 GB	

Table 1 (Cont.) Minimum System Requirements

Item	Minimum Requirement	Command
Space in /tmp directory	250 Megabytes (MB)	<pre>prompt> df -k /tmp</pre> <p>If the /tmp directory does not have enough free space, you can specify a different directory by setting the TMP environment variable.</p>
Swap space	1.5 GB	<pre>prompt> /usr/sbin/lsp -a</pre>
Monitor	256-color display	<pre>prompt> /usr/X11R6/bin/xdpyinfo</pre> <p>Look for the "Depth" line. You need a depth of at least 8 (bits per pixel).</p>

Checking Software Requirements

This section contains the following topics:

- [Software Requirements for AIX 5.2](#)
- [Software Requirements for AIX 5.3](#)

Software Requirements for AIX 5.2 Oracle Collaboration Suite is certified with the following Operating System-specific software. For the most current list of supported Operating System-specific software, for example JDK version, Operating System version, check Oracle*MetaLink* at

<http://metalink.oracle.com>

Complete the following steps before installing Oracle Collaboration Suite on AIX-based systems:

1. Oracle Collaboration Suite requires at least AIX 5L version 5.2, Maintenance Level 4 or later for successful installation. To determine which version of AIX is installed, enter the following command:

```
prompt> oslevel -r  
5200-04
```

If the operating system version is lower than AIX 5.2.0.0 Maintenance Level 4 (5200-04), upgrade your operating system to this level. AIX 5L version 5.2 maintenance packages are available from the following Web site:

<https://techsupport.services.ibm.com/server/aix.fdc>

2. Check that the following software packages, or later versions, are installed:

```
bos.adt.base  
bos.adt.lib  
bos.adt.libm  
bos.perf.libperfstat  
bos.perf.perfstat  
bos.perf.proctools  
X11.motif.lib
```

To determine whether the required filesets are installed and committed, enter the following command:

```
prompt> lslpp -l bos.adt.base bos.adt.lib  
bos.adt.libm bos.perf.perfstat bos.perf.libperfstat  
bos.perf.proctools x.11.motif.lib
```

If a fileset is not installed and committed, then install it. Refer your operating system or software documentation for information about installing filesets.

3. Check that the following operating system packages (Authorized Problem Analysis Reports (APARs)), or later versions, are installed:

IY65001: mklvcopy on a striped lv is failing to update lvcb
IY64978: deadlock with concurrent renaming and unlinking
IY64737: knot lock not released properly
IY64691: chvg -b can cause corruption and crash
IY63366: dlsym returns NULL even for valid symbol
IY63133: Performance degradation with many CPUS and volume group
IY69518: chvg -L / extendvg anomaly
IY75901: extendvg can cause corruption after IY69518
IY59082: systems hang with JFS2 and heavy load

To determine whether an APAR is installed, enter a command similar to the following:

```
prompt> /usr/sbin/instfix -i -k "IY65001 IY64978 ..."
```

If an APAR is not installed, download it from the following Web site and install it:

<https://techsupport.services.ibm.com/server/aix.fdc>

Software Requirements for AIX 5.3 Oracle Collaboration Suite is certified with the following Operating System-specific software. For the most current list of supported Operating System-specific software, for example JDK version, Operating System version, check *OracleMetaLink* at

<http://metalink.oracle.com>

Complete the following steps before installing Oracle Collaboration Suite on AIX-based systems:

1. Oracle Collaboration Suite requires at least AIX 5L version 5.3, Maintenance Level 2 or later for successful installation. To determine which version of AIX is installed, enter the following command:

```
prompt> oslevel -r  
5300-02
```

If the operating system version is lower than AIX 5.2.0.0 Maintenance Level 1 (5300-02), upgrade your operating system to this level. AIX 5L version 5.2 maintenance packages are available from the following Web site:

<https://techsupport.services.ibm.com/server/aix.fdc>

2. Check that the following software packages, or later versions, are installed:

```
bos.adt.base  
bos.adt.lib  
bos.adt.libm  
bos.perf.libperfstat  
bos.perf.perfstat  
bos.perf.proctools  
X11.motif.lib
```

To determine whether the required filesets are installed and committed, enter the following command:

```
prompt> lsllpp -l bos.adt.base bos.adt.lib  
bos.adt.libm bos.perf.perfstat bos.perf.libperfstat  
bos.perf.proctools x.11.motif.lib
```

If a fileset is not installed and committed, then install it. Refer your operating system or software documentation for information about installing filesets.

3. Download Java Cryptography Extension (JCE) Extension 1.2.2 from

<http://java.sun.com/products/jce/index-122.html>
1

Note: The link to the `jce-1_2_2.zip` file is at the bottom of the Web page. You must register with the Sun Developer Network (SDN) before you can download the JCE file.

Save `jce-1_2_2.zip` to a directory writeable by the `oracle` user.

```
prompt> /usr/sbin/swlist -l product | more
```

4. Check that the following operating system packages (Authorized Problem Analysis Reports (APARs)), or later versions, are installed:

IY70159: KRTL relocation problem

IY66513: Parsing of LDR_CNTRL value fails

IY68989: write to mmaped space hangs

To determine whether an APAR is installed, enter a command similar to the following:

```
prompt> /usr/sbin/instfix -i -k "IY70159 IY66513  
IY68989"
```

If an APAR is not installed, download it from the following Web site and install it:

[https://techsupport.services.ibm.com/server/ai
x.fdc](https://techsupport.services.ibm.com/server/aix.fdc)

Checking Shell Limits and System Configuration Parameters

Verify that the shell limits shown in the following table are set to the values shown. The procedures following the table describe how to verify and set the values.

Shell Limit (As Shown in smit)	Recommended Formula or Value
Soft FILE size	-1 (Unlimited)
Soft CPU time	-1 (Unlimited)
	Note: This is the default value.
Soft DATA segment	-1 (Unlimited)
Soft STACK size	-1 (Unlimited)

To view the current value specified for these shell limits, and to change them if necessary, follow these steps:

1. Enter the following command:

```
prompt> smit chuser
```

2. In the **User NAME** field, enter the user name of the Oracle software owner, for example `oracle`.
3. Scroll down the list and verify that the value shown for the soft limits listed in the previous table is `-1`.
If necessary, edit the existing value.
4. When you have finished making changes, press the **F10** key to exit.

Verify that the maximum number of processes allowed per user is set to 2048 or greater. The following procedure describes how to verify and set the value:

Note: For production systems, this value should be at least 128 plus the sum of the `PROCESSES` and `PARALLEL_MAX_SERVERS` initialization parameters for each database running on the system.

1. Enter the following command:

```
prompt> smit chgsys
```

2. Verify that the value for **Maximum number of PROCESSES allowed per user** is greater than or equal to 2048.

If necessary, edit the existing value.

3. When you have finished making changes, press the **F10** key to exit.

Make sure that the **ARG_MAX** setting is set to the maximum value for AIX 5L as follows:

1. To check the **ARG_MAX** value setting:

```
prompt> getconf ARG_MAX
```

2. If the value is less than 524288, run the following command as the **root** user:

```
prompt> chdev -l sys0 -a ncargs=128
```

Creating an Operating System Group for the Inventory Directory

You need to create operating system groups.

Create an Operating System Group for the Inventory Directory

If this is the first Oracle product to be installed on the computer, create an operating system group for the inventory directory. The installer creates files in the inventory directory to keep track of the Oracle products that are installed on the computer.

This guide uses the name `oinstall` for this group.

By having a separate group for the inventory directory, you allow different users to install Oracle products on the computer. Users need write permission for the inventory directory. They can achieve this by belonging to the `oinstall` group.

The default name of the inventory directory is `oraInventory`.

If you are unsure if there is already an inventory directory on the computer, look in the `/home/oracle/oraInst.loc` file. This file lists the location of the inventory directory and the group who owns it. If the file does not exist, the computer does not have Oracle products installed on it.

To create a local operating system group, perform the following steps as the `root` user:

1. Enter the following command:

```
prompt> smit security
```

2. Choose the appropriate menu items to create the `oinstall` group.
3. Press the **F10** key to exit.

For more information about operating system users and groups, see your operating system documentation or contact your system administrator.

Create an Operating System Group for Database Administration

Using the same steps in the previous section, create an operating system group called `dba`. When you create an operating system user in the next step, you will set this `dba` group to be the secondary group of the user.

Creating an Operating System User

Create an operating system user to install and upgrade Oracle products. This guide refers to this user as the `oracle` user.

How to Create an User

To create the `oracle` operating system user as part of the `oinstall` group, perform the following steps as the `root` user:

1. Enter the following command:

```
prompt> smit security
```

2. Choose the appropriate menu items to create the `oinstall` group.
3. Press the **F10** key to exit.
4. Set the password of the `oracle` user:

```
prompt> passwd oracle
```

To check which groups an operating system user belongs to, use the `groups` command with the name of the user. For example:

```
prompt> groups oracle
```

Using the same steps in the previous section, create an operating system group called `dba`. When you create an operating system user in the next step, you will set this `dba` group to be the secondary group of the user.

Checking Environment Variables

The operating system user who will be installing Oracle Collaboration Suite needs to set (or unset) the following environment variables.

Table 2 *Environment Variables*

Environment Variable	Set or Unset
DISPLAY	Set it to the monitor where you want the installer window to appear.
ORACLE_HOME	Must not be set.
ORACLE_SID	Must not be set.
TNS_ADMIN	Must not be set.
PATH, CLASSPATH, SHLIB_PATH, and LD_ LIBRARY_PATH	Must not contain references to directories in any Oracle home directories.
TMP and TMPDIR	Optional. If unset, defaults to /tmp.
ORA_NLS	Must not be set.

How to Set Environment Variables This section describes how to set environment variables:

Using the C shell:

```
prompt> setenv variable_name value
```

Example (C shell):

```
prompt> setenv DISPLAY test.mycompany.com:0.0
```

Using the Bourne or Korn shell:

```
prompt> variable_name=value; export variable_name
```

Example (Bourne or Korn shell):

```
prompt> DISPLAY=test.mydomain.com:0.0; export DISPLAY
```

Environment Variable Tips This section describes some things to look out for when setting environment variables:

- If you set environment variables in the `.profile` file, they might not be read. To ensure environment variables are set to the correct values, check their values in the shell where you will be running the installer.
- To check the value of environment variables, use the `env` command. This displays all the currently defined environment variables and their values.

```
prompt> env
```

- If you use the `su` command to switch users (for example, switching from the root user to the `oracle` user), check the

environment variables when you are the new user because the environment variables might not be passed to the new user. This can happen even if you use `su` with the `-` parameter (`su - user`).

```
prompt> /* root user */  
prompt> su - oracle  
prompt> env
```

Checking If Port 1521 Is in Use

This section is applicable only if you are installing Oracle Collaboration Suite Infrastructure.

The Oracle Collaboration Suite Infrastructure installs an Oracle database, which uses port 1521 by default.

To check if port 1521 is in use:

```
prompt> netstat -an | grep 1521
```

If port 1521 is in use by a third-party application, you need to configure the application to use a different port.

If port 1521 is in use by an existing Oracle database listener, you need to stop the listener before installing the Oracle Collaboration Suite Infrastructure.

See the *Oracle Collaboration Suite Release Notes for AIX Based Systems* for details.

Accessing the Welcome Page

After installation, access the Oracle Collaboration Suite Welcome page to verify that the installation was successful. The URL for the Welcome page is

`http://hostname.domainname:http_port`

Determine the `http_port` by looking in the `ORACLE_HOME/install/portlist.ini` file. The port is listed on the "Oracle HTTP Server listen port" line.

Note: If you have multiple instances of Oracle Collaboration Suite installed on a computer, each instance has its own set of port numbers. Check the `portlist.ini` file in the correct Oracle home directory to be sure you are using the correct port numbers.

The Welcome page provides links to these useful pages:

- What is new in Oracle Collaboration Suite 10g Release 1 (10.1.1)
- Oracle Enterprise Manager Application Server Control ("Application Server Control"), which is a browser-based administrative tool
- Release Notes
- Demos

Additional Resources

For more information, see these Oracle resources:

- Oracle Collaboration Suite Documentation Library CD-ROM
- Oracle Collaboration Suite platform-specific documentation on Oracle Collaboration Suite documentation CD-ROM

Printed documentation is available for sale in the Oracle Store at

<http://oraclestore.oracle.com>

You can also contact your Oracle representative to purchase printed documentation.

To download free release notes, installation documentation, white papers, or other collateral, visit Oracle Technology Network (OTN). You must register online before using OTN; registration is free and can be done at

<http://www.oracle.com/technology/membership/>

If you already have a user name and password for OTN, then you can go directly to the documentation section of OTN at

<http://www.oracle.com/technology/documentation>

Oracle Support Services

If you purchased Oracle Product Support, you can call Oracle Support Services for assistance. Oracle Support Services include phone assistance, version updates, and access to our service offerings. You have access to phone support 24 hours a day, 7 days a week. In the U.S.A., you can call Product Support at **1-800-223-1711**.

Make sure you have your CSI (CPU Support Identifier) number ready when you call. Keep the CSI number for your records, because it is your key to Oracle Support Services. The Oracle Store sends the CSI number to you in an e-mail alert when it processes your order. If you do not have your CSI number and you are in

the U.S.A., you can look up your CSI number by accessing our online Order Tracker, which provides detailed order information. Go to the Oracle Store and click on Order Tracker located above the top navigation bar.

For Oracle Support Services locations outside the U.S.A., call your local support center for information about how to access support. To find the local support center in your country, visit the Support Web Center at

<http://www.oracle.com/support>

At the Support Web Center you will find information about Oracle Support Services, such as:

- Contact information
- Instructions on how to access electronic services
- Helpful Web sites
- Support resources
- Oracle Support Portfolio
- Oracle Support Services news

With Oracle Product Support, you have round-the-clock access to Oracle*MetaLink*, the Oracle Support Services premier Web support

offering. Oracle*MetaLink* offers you access to installation assistance, product documentation, and a technical solution knowledge base.

It has technical forums, where you can post questions about your Oracle products and receive answers from Oracle Technical Support Analysts and other Oracle users. The questions and answers remain posted for the benefit of all users.

Oracle*MetaLink* options include:

- Technical Assistance Request (TAR) access
- Patch downloads
- Bug database query access
- Product life-cycle information

You can access Oracle*MetaLink* at

<http://metalink.oracle.com>

Version Updates

If you do not have a currently supported license, you can purchase the most recent version of an Oracle product from the Oracle Store at

<http://oraclestore.oracle.com>

If you do have a currently supported license, you can place non-urgent requests for Version Update shipments through the iTAR feature on Oracle*MetaLink*. You will need to log the iTAR type as a U.S. Client Relations/Non-Technical Request.

You can also request Version Update shipments in the U.S.A. by calling Client Relations. When requesting a Version Update, provide the following information to the Client Relations Analyst:

- CSI number
- Contact information
- Platform
- Product name
- Shipping address
- Version number of the product

Outside the U.S.A., call your local Oracle Support Center.

Premium Services

For information about our Premium Services, including onsite support, OracleGOLD, remote services, and upgrade packages, visit the Support Web Center at

<http://www.oracle.com/support>

or call your Support Sales Representative in the U.S.A. at **1-800-833-3536**.

Quick Reference

Resource	Contact Information or Web Site
OracleMetaLink	http://metalink.oracle.com
Purchase additional products, full-use licenses, version updates, and documentation in the U.S.A.	http://oraclestore.oracle.com
Access technical resources for developers	http://www.oracle.com/technology/index.html
Access all documentation	http://www.oracle.com/technology/documentation/collab.html

Resource	Contact Information or Web Site
Access information about technical support	http://www.oracle.com/support
Locate local Oracle Support Centers outside the U.S.A.	http://www.oracle.com/support
Locate local Oracle offices outside the U.S.A	http://www.oracle.com/global/index.html
Call Client Relations in the U.S.A.	1-800-223-1711
Speak with your sales representative in the U.S.A.	1-800-ORACLE-1
Obtain TTY access to technical support in the U.S.A.	1-800-446-2398

