# Oracle® Collaboration Suite

Readme

Release 2 Patch Set 1 (9.0.4.2.1) for Windows

**Part No. B14386-01**

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This book contains information about Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) for Windows.

ORACLE®

Oracle Collaboration Suite Readme, Release 2 Patch Set 1 (9.0.4.2.1) for Windows

Part No. B14386-01



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**Oracle Collaboration Suite Readme Release 2 Patch Set 1 (9.0.4.2.1) for Windows**

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# Preface

The Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) contains new product features and information about product bug fixes. Fixes have been made to the infrastructure, information storage, and middle tier components of Oracle Collaboration Suite.

This document accompanies the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1), and includes instructions for installing the patch set as well as pre- and postinstallation instructions for each component of Oracle Collaboration Suite for the following two scenarios, as applicable:

- Existing Oracle Collaboration Suite Release 2 (9.0.4.1.1) installations that are configured and running
- New Oracle Collaboration Suite Release 2 (9.0.4.1.1) installations that will install the patch set prior to the product going live

This preface contains the following topics.



> **Note:** The information in this document is accurate to the best of our knowledge at the time of publication. You can access the latest information on the Oracle Technology Network at `http://otn.oracle.com`.

## Audience

This book is intended for anyone interested in Oracle Collaboration Suite.

## Organization

The organization of this book is as follows:

# Related Documentation

The following documents have been revised for this patch set and can be found at

`http://otn.oracle.com`

### Suite-Level Documents

*Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*
*Oracle Collaboration Suite Release Notes*
*Oracle Collaboration Suite Using Oracle Files*
*Oracle Collaboration Suite Using Web Conferencing*
*Oracle Collaboration Suite Using Oracle Webmail*
*Oracle Collaboration Suite Using Oracle Calendar*

### Oracle Files Documents

*Oracle Files Administrator's Guide*
*Oracle Files Planning Guide*

### Oracle Web Conferencing Documents

*Oracle Web Conferencing Administrator's Guide*
*Oracle Web Conferencing Sizing Guide*

# Contents of the Patch Set CD Pack

The Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) is shipped on three CDs, as follows:

- Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) CD 1 of 2
- Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) CD 2 of 2
- Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.0) Client CD

CD 1 and 2 contain the Oracle Collaboration Suite patch set.

The Client CD contains the following:

- Oracle Email Migration Tool version 9.0.4.2.0
- Oracle Voicemail & Fax server patch (Windows 2000-specific)
- Oracle Web Conferencing document and voice conversion servers patch (Windows-specific)
- The following clients:

#### Oracle Calendar

Oracle Connector for Outlook
Oracle Calendar desktop client for Windows
Oracle Calendar desktop client for Macintosh

Oracle Calendar desktop client for Linux
Oracle Calendar desktop client for Solaris
Oracle Calendar Sync for Palm for Windows
Oracle Calendar Sync for Palm for Macintosh
Oracle Calendar Sync for Pocket PC

### Oracle Files

Oracle FileSync

## Conventions

This section describes the conventions used in the text and code examples of this documentation set. It describes:

- Conventions in Text
- Conventions in Code Examples
- Conventions for Windows Operating Systems

### Conventions in Text

We use various conventions in text to help you more quickly identify special terms. The following table describes those conventions and provides examples of their use.

| Convention | Meaning | Example |
|---|---|---|
| **Bold** | Bold typeface indicates terms that are defined in the text or terms that appear in a glossary, or both. | When you specify this clause, you create an **index-organized table**. |
| *Italic* | Italic typeface indicates book titles or emphasis. | *Oracle10g Database Concepts* Ensure that the recovery catalog and target database do not reside on the same disk. |
| `UPPERCASE monospace (fixed-width) font` | Uppercase monospace typeface indicates elements supplied by the system. Such elements include parameters, privileges, datatypes, RMAN keywords, SQL keywords, SQL*Plus or utility commands, packages and methods, as well as system-supplied column names, database objects and structures, usernames, and roles. | You can specify this clause only for a `NUMBER` column.<br>You can back up the database by using the `BACKUP` command.<br>Query the `TABLE_NAME` column in the `USER_TABLES` data dictionary view.<br>Use the `DBMS_STATS.GENERATE_STATS` procedure. |

| Convention | Meaning | Example |
|---|---|---|
| `lowercase monospace (fixed-width) font` | Lowercase monospace typeface indicates executables, filenames, directory names, and sample user-supplied elements. Such elements include computer and database names, net service names, and connect identifiers, as well as user-supplied database objects and structures, column names, packages and classes, usernames and roles, program units, and parameter values.<br><br>**Note:** Some programmatic elements use a mixture of UPPERCASE and lowercase. Enter these elements as shown. | The password is specified in the `orapwd` file.<br><br>Back up the datafiles and control files in the `/disk1/oracle/dbs` directory.<br><br>The `department_id, department_name`, and `location_id` columns are in the `hr.departments` table.<br><br>Set the QUERY_REWRITE_ENABLED initialization parameter to true.<br><br>Connect as `oe` user.<br><br>The `JRepUtil` class implements these methods. |
| *`lowercase italic monospace (fixed-width) font`* | Lowercase italic monospace font represents placeholders or variables. | You can specify the *`parallel_clause`*<br><br>*`Run Uold_release.SQL`* where *`old_release`* refers to the release you installed prior to upgrading. |
| Text within angle brackets `< >` | Angle brackets represent variables in the Oracle Calendar sections of this document. | Enter the `<hostname>`, `<port>`. |

### Conventions in Code Examples

Code examples illustrate SQL, PL/SQL, SQL*Plus, or other command-line statements. They are displayed in a monospace (fixed-width) font and separated from normal text as shown in this example:

```
SELECT username FROM dba_users WHERE username = 'MIGRATE';
```

The following table describes typographic conventions used in code examples and provides examples of their use.

| Convention | Meaning | Example |
|---|---|---|
| [ ] | Brackets enclose one or more optional items. Do not enter the brackets. | `DECIMAL (`*`digits`*` [ ,`*`precision`*` ])` |
| { } | Braces enclose two or more items, one of which is required. Do not enter the braces. | `{ENABLE \| DISABLE}` |
| \| | A vertical bar represents a choice of two or more options within brackets or braces. Enter one of the options. Do not enter the vertical bar. | `{ENABLE \| DISABLE}`<br><br>`[COMPRESS \| NOCOMPRESS]` |
| ... | Horizontal ellipsis points indicate either:<br>■ That we have omitted parts of the code that are not directly related to the example<br>■ That you can repeat a portion of the code | `CREATE TABLE ... AS subquery;`<br><br>`SELECT col1, col2, ... , coln FROM employees;` |

| Convention | Meaning | Example |
|---|---|---|
| .<br>.<br>. | Vertical ellipsis points indicate that we have omitted several lines of code not directly related to the example. | SQL> SELECT NAME FROM V$DATAFILE;<br>NAME<br>----------<br>/fsl/dbs/tbs_01.db<br>/fs1/dbs/tbs_02.dbf<br>.<br>.<br>.<br>/fsl/dbs/tbs_09.dbf<br>9 rows selected. |
| Other notation | You must enter symbols other than brackets, braces, vertical bars, and ellipsis points as shown. | acctbal NUMBER(11,2);<br>acct CONSTANT NUMBER(4) := 3; |
| *Italics* | Italicized text indicates placeholders or variables for which you must supply particular values. | *CONNECT SYSTEM/system_password*<br>*DB_NAME = database_name* |
| UPPERCASE | Uppercase typeface indicates elements supplied by the system. We show these terms in uppercase in order to distinguish them from terms you define. Unless terms appear in brackets, enter them in the order and with the spelling shown. However, because these terms are not case sensitive, you can enter them in lowercase. | *SELECT last_name, employee_id FROM employees;*<br>SELECT * FROM USER_TABLES;<br>DROP TABLE hr.employees; |
| lowercase | Lowercase typeface indicates programmatic elements that you supply. For example, lowercase indicates names of tables, columns, or files.<br>**Note:** Some programmatic elements use a mixture of UPPERCASE and lowercase. Enter these elements as shown. | SELECT last_name, employee_id FROM employees;<br>sqlplus hr/hr<br>CREATE USER mjones IDENTIFIED BY ty3MU9; |
| Text within angle brackets < > | Angle brackets represent variables in the Oracle Calendar sections of this document.<br>Enter the <hostname>, <port>. | %$ORACLE_HOME/bin/ldapmodify -h <host> -p <port> -D cn=orcladmin -w <password> -f index.ldif |

### Conventions for Windows Operating Systems

The following table describes conventions for Windows operating systems and provides examples of their use.

| Convention | Meaning | Example |
|---|---|---|
| Choose Start > | How to start a program. | To start the Database Configuration Assistant, choose Start > Programs > Oracle - HOME_NAME > Configuration and Migration Tools > Database Configuration Assistant. |

| Convention | Meaning | Example |
|---|---|---|
| File and directory names | File and directory names are not case sensitive. The following special characters are not allowed: left angle bracket (<), right angle bracket (>), colon (:), double quotation marks ("), slash (/), pipe (\|), and dash (-). The special character backslash (\) is treated as an element separator, even when it appears in quotes. If the file name begins with \\, then Windows assumes it uses the Universal Naming Convention. | `c:\winnt"\"system32 is the same as C:\WINNT\SYSTEM32` |
| C:\> | Represents the Windows command prompt of the current hard disk drive. The escape character in a command prompt is the caret (^). Your prompt reflects the subdirectory in which you are working. Referred to as the command prompt in this manual. | `C:\oracle\oradata>` |
| Special characters | The backslash (\) special character is sometimes required as an escape character for the double quotation mark (") special character at the Windows command prompt. Parentheses and the single quotation mark (') do not require an escape character. Refer to your Windows operating system documentation for more information on escape and special characters. | `C:\>exp scott/tiger TABLES=emp QUERY=\"WHERE job='SALESMAN' and sal<1600\"`<br>`C:\>imp SYSTEM/`*`password`*` FROMUSER=scott TABLES=(emp, dept)` |
| *HOME_NAME* | Represents the Oracle home name. The home name can be up to 16 alphanumeric characters. The only special character allowed in the home name is the underscore. | C:\> net start Oracle*HOME_NAME*TNSListener |

| Convention | Meaning | Example |
|---|---|---|
| *ORACLE_HOME* and *ORACLE_BASE* | In releases prior to Oracle8i release 8.1.3, when you installed Oracle components, all subdirectories were located under a top level *ORACLE_HOME* directory. For Windows NT, the default location was `C:\orant`.<br><br>This release complies with Optimal Flexible Architecture (OFA) guidelines. All subdirectories are not under a top level *ORACLE_HOME* directory. There is a top level directory called *ORACLE_BASE* that by default is `C:\oracle`. If you install the latest Oracle release on a computer with no other Oracle software installed, then the default setting for the first Oracle home directory is `C:\oracle\ora`*nn*, where *nn* is the latest release number. The Oracle home directory is located directly under *ORACLE_BASE*.<br><br>All directory path examples in this guide follow OFA conventions.<br><br>Refer to *Oracle10i Database Platform Guide* for Windows for additional information about OFA compliances and for information about installing Oracle products in non-OFA compliant directories. | Go to the *ORACLE_BASE**ORACLE_HOME*\rdbms\admin directory. |

# Documentation Accessibility

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

**Accessibility of Code Examples in Documentation** JAWS, a Windows screen reader, 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, JAWS may not always read a line of text that consists solely of a bracket or brace

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# 1

# Patch Set Preinstallation Requirements

This section contains preinstallation requirements for the various components of Oracle Collaboration Suite.

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**Note:**

- Oracle recommends backing up the environment prior to installing the patch set.
- Oracle Collaboration Suite Release 2 (9.0.4.1.1) must be installed prior to installing the patch set. Users of Oracle Collaboration Suite Release 9.0.3 for Windows must upgrade to Oracle Collaboration Suite Release 2 (9.0.4.1.1) first, then install the patch set.
- Oracle recommends upgrading the Oracle Collaboration Suite information storage database to Oracle Database Release 9.2.0.5, or later, to address the following bugs: 2643723, 2774862, 2919655, 2944866, 3017434, and 3019979.
- Oracle Database patch set Release 9.2.0.5 requires that Oracle Universal Installer Release 10.1.0.2 be installed, and is included in the Oracle Database patch set 9.2.0.5 shiphome. Due to bug 3540563, the installation of this release of Oracle Universal Installer from the database patch set 9.2.0.5 shiphome may be suspended.

Search Oracle*MetaLink* at `http://metalink.oracle.com` for

- Bug 3501955 to obtain the Oracle Database 9.2.0.5 patch set for your platform
- Bug 3540563 to install Oracle Universal Installer 10.1.0.2 and proceed with the Oracle Database patch set 9.2.0.5 installation
- OC4J patch 3535985 on Oracle *i*AS 9.0.2.3 in order to address bugs 3535985 and 3728421

Oracle recommends checking Oracle*MetaLink* periodically for new patch sets and updates to Oracle Collaboration Suite.

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**See Also:**

*Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)* for complete preinstallation instructions

This section includes the following topics:



## 1.1 Oracle Enterprise Manager Preinstallation Information

Oracle Universal Installer detects whether Oracle Enterprise Manager is running when you attempt to install the patch set on the infrastructure and the middle tier, and warns you to shut it down before proceeding.

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**Note:** For silent installations of the patch set, ensure that Oracle Enterprise Manager is shut down prior to installation. When installation is complete, restart Oracle Enterprise Manager.

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## 1.2 Oracle Collaboration Suite Web Client Preinstallation Information

If you chose to configure the Oracle Collaboration Suite Web client when you installed Oracle Collaboration Suite, the patch set will upgrade the Web client.

## 1.3 Oracle Collaboration Suite Web Client Preinstallation Tasks

A port number must be explicitly defined for the URL associated with each of applications listed in the Web Client page. After installing the patch set, HTTP and HTTPS ports (port 80 and port 443, respectively) are not appended by default to the URL. Therefore, if a port number is not explicitly defined for the URL associated with each application in the Web Client page, no port number automatically appends to the server hostname for the application.

To define port numbers for the URL:

1. Open the `webclient.properties` file located in:

   ```
   %ORACLE_HOME%\webclient\classes\oracle\collabsuite
   \webclient\resources
   ```

2. Enter a port number for the URL for each of the portlet providers and application links.

If you have defined the port numbers correctly, the URL appear as in the following example for Web Conferencing:

```
http://imeetingserver.com:80
```

## 1.4 Oracle Collaboration Suite Information Store Preinstallation Tasks

Before installing the patch set, you must verify that SYS privileges have been granted to the logminer based email recovery packages. If privileges have not been granted, logminer based email recovery will not function. The following procedure explains how to check for SYS privileges and grant the missing privileges. The procedure must be performed from the mailstore ORACLE_HOME environment.

1. To identify whether necessary privileges have been granted to the logminer recovery database objects, execute the following query from the SQLPLUS as SYS user.

```
SQL> SELECT object_name , owner
          FROM dba_objects
          WHERE  object_name = 'LMMR_SETUP'
          AND object_type = 'PACKAGE';
```

2. If the actions in Step 1 return no rows then do the following:

```
cd %ORACLE_HOME%\oes\install\sql
```

From the SQLPLUS as SYS user:

```
SQL>@install_backend_sys.sql
```

If the above procedure is not done, the patchset installation will display an error in the upgrade9042.log file as shown below.

```
507/5    PL/SQL: SQL Statement ignored
509/14  PL/SQL: ORA-00942: table or view does not exist
creating package body MAIL_RECOVERY
Warning: Package Body created with compilation errors.
Errors for PACKAGE BODY MAIL_RECOVERY:

LINE/COL ERROR
108/21   PLS-00201: identifier 'SYS.V_$LOGMNR_CONTENTS' must be declared
108/21   PL/SQL: Item ignored
109/21   PLS-00201: identifier 'SYS.V_$LOGMNR_CONTENTS' must be declared
109/21   PL/SQL: Item ignored
```

## 1.5 Oracle Calendar Server Preinstallation Tasks

This section covers the following Oracle Calendar server preinstallation topics:

- Section 1.5.1, "Installing the Patch Set while the Oracle Calendar Server Is Running"
- Section 1.5.2, "Working with Oracle Calendar Server Configuration Files that Are Modified or Overwritten"
- Section 1.5.3, "Upgrading Oracle Calendar from Version 9.0.3 to 9.0.4.2.1"
- Section 1.5.4, "Changes in Hardware Requirements for Upgrades"

> **Note:** Prior to installing the patch set, you must have Calendar patch 3222285 for 9.0.4.1.1 installed. If you have not already done so, go to http://metalink.oracle.com , navigate to the Patches web page, and download the patch listed under Patch Number 3322285 onto the ORACLE_HOME on which you installed Oracle Calendar Release 2 (9.0.4.1.1)

### 1.5.1 Installing the Patch Set while the Oracle Calendar Server Is Running

It is not necessary to stop the Oracle Calendar server before installing the patch set. The installation program automatically stops and restarts the Oracle Calendar server.

### 1.5.2 Working with Oracle Calendar Server Configuration Files that Are Modified or Overwritten

If you previously made changes to the `%Oracle_Home%\ocal\misc\unison.ini` file, the installation program recognizes this and modifies the file with any necessary parameter changes.

The following files are not overwritten when installing the patch set:

```
user.ini
resource.ini
eventcal.ini
```

The following files are always overwritten when installing the patch set:

```
timezone.ini
timezone_os.ini
```

During installation in some languages, dialog boxes may open informing you that `categorytype.ini.`*`date_time`* and `timezone_os.ini.`*`date_time`* cannot be backed up. If for any reason you want to keep the existing copies of these files, back them up manually, then press **C** to continue with the installation.

### 1.5.3 Upgrading Oracle Calendar from Version 9.0.3 to 9.0.4.2.1

Upgrade Oracle Calendar from version 9.0.3 to 9.0.4.2.1 as described in the following steps.

1. Install Oracle Calendar Release 2 (9.0.4.1.1) into a different `ORACLE_HOME` from your existing installation, as described in the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*.
2. If using Windows, go to `http://metalink.oracle.com`, navigate to the Patches web page, and download the patch listed under Patch Number 3322285 onto the `ORACLE_HOME` on which you installed Oracle Calendar Release 2 (9.0.4.1.1).
3. Install Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) over Release 2 (9.0.4.1.1).
4. Verify that the 9.0.3 and the 9.0.4.2.1 Calendar servers are down.
5. Run `OcalPreUpg.cmd` from the Calendar 9.0.4.2.1 `%ORACLE_HOME%\ocal\upgrade` directory.
6. Run `ocsua.bat` from the 9.0.4.2.1 `%ORACLE_HOME%\upgrade` directory.

If you do not follow these steps, unexpected behavior may result. For instance, if you upgrade your data to Release 2 (9.0.4.1.1) and *then* install the patch set, users will no longer be able to log in as event calendars or resources because the corresponding passwords will be lost. The passwords can, however, be reset using the Oracle Calendar Administrator.

### 1.5.4 Changes in Hardware Requirements for Upgrades

Before you upgrade, Oracle recommends that you re-evaluate your sizing calculations based on the requirements provided for the new software. For CPU usage, the hardware requirements have changed as a result of added functionality, as follows:

- If you are upgrading from Oracle Calendar 5.*x* or 9.0.3 to release 9.0.4.2.1, an increase in CPU usage is expected. If in your current Oracle Calendar 5.*x* or 9.0.3 installation you track regular peaks in CPU usage at 60% or greater, several times a day, additional CPU capacity might be required for this upgrade.
- An upgrade to 9.0.4.2.1 from Calendar 5.x or 9.0.3 requires approximately four times the current disk space.

**See Also:** *Oracle Calendar Administrator's Guide Release 2 (9.0.4)*

## 1.6 Oracle Calendar Application System Preinstallation Requirements

This section covers the following Oracle Calendar application system preinstallation topics:

- Section 1.6.1, "Configuring Time Zone Behavior for the Oracle Calendar Portlet"
- Section 1.6.2, "Working with Oracle Calendar Application System Configuration Files that Are Modified or Overwritten"

### 1.6.1 Configuring Time Zone Behavior for the Oracle Calendar Portlet

An issue resolved by this patch set is that of time zone behavior on the Oracle Calendar portlet (bug 3088332). For this particular fix to work, you must add the following `xml` text (if it is not already present) to the `%ORACLE_HOME%\config\jazn-data.xml` file before the `</jazn-policy>` tag at the end of this file. This must be done on the Oracle9*i*AS Portal middle tier that runs the Oracle Calendar portlet before you install the patch set. Back up the file before making any changes. Replace the *%ORACLE_HOME%* with the physical Oracle Home of the middle tier.

**Note:** This is only necessary if you are running the Oracle Calendar portlet.

```
<grant>
  <grantee>
    <codesource>
      <url>file:%ORACLE_HOME%\webclient\lib\webclient_common.jar</url>
    </codesource>
  </grantee>
  <permissions>
    <permission>
 <class>oracle.ias.repository.schemaimpl.CheckRepositoryPermission</class>
      <name>connectAs</name>
    </permission>
  </permissions>
</grant>
```

If you are running Oracle9*i*AS Portal on a different middle tier, you must copy two newly installed files over to that middle tier after installation, as described in Chapter 3, "Patch Set Postinstallation Instructions" on page 3-1.

### 1.6.2 Working with Oracle Calendar Application System Configuration Files that Are Modified or Overwritten

The `%ORACLE_HOME%\ocas\conf\ocst.conf` file is updated during installation. The previous `ocst.conf` file is backed up as `%ORACLE_HOME%\ocas\conf\ocst.conf.bck`

## 1.7 Oracle Email Preinstallation Requirements

Oracle Internet Directory on the infrastructure server must be running prior to installing the patch set.

---

**Note:** For silent installations of the patch set on the middle tier, ensure that Oracle Email servers are stopped prior to starting the patch set installation on the middle tier.

---

**See Also:** *Oracle Email Administrator's Guide* for instructions on how to stop Oracle Email processes

### 1.7.1 Installing the Patchset on the Information Store

It is necessary to stop the email servers before installing the patchset on the information store that the middle tier is serving. If the information store is being served by multiple middle tiers running email servers, all email servers on these middle tiers need to be shutdown prior to installing the patch set on the information store.

### 1.7.2 Installing the Patchset on the Middle Tier

It is normally not necessary to stop the Oracle Email servers on the middle tier before installing the patch set on that middle tier. Normally, the installation program automatically stops all Oracle Email servers at the beginning of the installation and restarts them when installation is complete. This will not be the case if the existing configuration uses non-qualified hostnames, for example, a hostname missing the domain suffix as part of an email service target name. To check whether non-qualified hostnames exist, run the following command from a command prompt window:

```
oesctl show targets
```

If the output contains non-qualified hostnames, shutdown the server prior to performing the upgrade.

### 1.7.3 Installing the Patchset on a Windows NT 4.0 Middle Tier

On Windows NT 4.0 only, you must shut down email server processes before installing the patchset on the middle tier. Restart email server processes after installing the patchset on the middle tier. This procedure does not apply to Windows 2000 or Windows 2003 Enterprise.

## 1.8 Oracle Files Preinstallation Requirements

Ensure that the following requirements are met prior to installing the patch set:

- The database server must be running.

- If you have customized the Oracle Files Web interface, you must back up the customized files before applying the patch set, then restore the files to their original locations after the patch set has been installed.

  **See Also:** *Oracle Files Administrator's Guide* for information about customizing the Oracle Files Web interface

- All Oracle Files processes, including the Oracle Files domain, regular nodes, and HTTP nodes, must be stopped prior to installing the patch set. To see whether Oracle Files processes are running, execute the following commands:
  - `ifsctl status -n` from `%ORACLE_HOME%\ifs\files\bin` to see whether the Oracle Files domain and regular nodes are running
  - `dcmctl getState -co OC4J_iFS_files -v` from `%ORACLE_HOME%\dcm\bin` to see whether the Oracle Files HTTP node is running

To stop the Oracle Files domain and regular nodes, follow these steps:

1. If it is not running already, start Oracle Enterprise Manager by executing the following command:

   ```
   %ORACLE_HOME%\bin\emctl start
   ```

2. Using a Web browser, access the Oracle Enterprise Manager Web site at `http://`*`host_name`*`:`*`port`*, where *`host_name`* is the name of the Oracle Files middle-tier computer. The port is typically 1810.
3. Enter the authentication information in the pop-up window. The user name is typically `ias_admin`.
4. Click the name of the application server instance where Oracle Files is running. The Oracle9*i*AS Home Page appears.
5. Click the Oracle Files domain link. The domain appears in the following format:

   ```
   iFS_db_host_name:port:db_service_name:files_schema
   ```

6. Click **Stop Domain**.
7. Click **OK**.
8. Stop Oracle Enterprise Manager before installing the patch set. Use the following command to stop Oracle Enterprise Manager:

   ```
   %ORACLE_HOME%\bin\emctl stop
   ```

To stop Oracle Files HTTP nodes, follow these steps on each Oracle Files middle tier:

1. From the Oracle9*i*AS Home Page on the Oracle Enterprise Manager Web site, select `OC4J_iFS_files`.
2. Click **Stop**. On the Warning page, click **Yes** to stop the OC4J instance.

   Alternatively, you can use the following commands from the command line:

   ```
   %ORACLE_HOME%\ifs\files\bin\ifsctl stop
   %ORACLE_HOME%\dcm\bin\dcmctl stop -co OC4J_iFS_files -v -t 360
   ```

## 1.9 Oracle Web Conferencing Preinstallation Requirements

This section includes the following topics:

- Section 1.9.1, "Shut Down Oracle Real-Time Collaboration Services"

- Section 1.9.2, "Required Disk Space on Information Storage Database Server"
- Section 1.9.3, "How Installation Interacts with Oracle Internet Directory"

Ensure that the following requirements are met prior to installing the patch set:

- You have at least 1 GB of space on your information storage database host

  **See Also:** Section 1.9.2, "Required Disk Space on Information Storage Database Server" for more details on disk space requirements

- You have access to the password for the Oracle Internet Directory administrator account, and the Oracle Directory Integration and Provisioning server must be running on the Oracle Internet Directory system

  **See Also:** Section 1.9.3, "How Installation Interacts with Oracle Internet Directory" for more details

- You have installed the patch set to all Real-Time Collaboration middle tiers. You cannot use middle tiers with multiple versions of the Oracle Web Conferencing system if those middle tiers use the same database, because the schema has been updated for this patch set. Specifically, a middle tier running Oracle Collaboration Suite Release 2 (9.0.4.1.1) cannot share an information storage database with a middle tier running the patch set.

In addition, you must perform the following tasks before installing the patch set:

- Back up your information storage database. At a minimum, remember to back up the Oracle Real-Time Collaboration `RTC` and `RTC_APP` schemas. You may need this backup if you have to restore the system in case of fatal patch failure.
- Retrieve all certificates that were imported into the `%ORACLE_HOME%\imeeting\conf\certdb.txt` file so that you can reimport them after the patch set is applied.

  **See Also:** *Oracle9iAS Web Cache Administration and Deployment Guide (9.0.2)* for more details

- Make a backup copy of the `%ORACLE_HOME%\imeeting\conf\certdb.txt` file.
- Shut down *all* Oracle Real-Time Collaboration services and instances on each `ORACLE_HOME` to which you are applying the patch set.

  **See Also:** Section 1.9.1, "Shut Down Oracle Real-Time Collaboration Services" for more details

### 1.9.1 Shut Down Oracle Real-Time Collaboration Services

Before installing the patch set, you must shut down all Oracle Real-Time Collaboration services and instances in your Oracle Collaboration Suite setup (that is, on each `ORACLE_HOME` with Oracle Real-Time Collaboration installed).

1. Stop all Oracle Real-Time Collaboration servers, both core components and document and voice conversion servers (if used), as follows:

```
%ORACLE_HOME%\imeeting\bin\imtctl stop
```

> **Note:** If you cannot shut down the processes and you know that there are no Oracle Real-Time Collaboration instances running, you may have to manually terminate the processes using your operating system tools.

2. Stop the Oracle Real-Time Collaboration OC4J instance, as follows:

```
%ORACLE_HOM%\dcm\bin\dcmctl stop -co OC4J_imeeting -t 360 -v
```

> **See Also:** *Oracle9iAS Web Cache Administration and Deployment Guide* for more details

## 1.9.2 Required Disk Space on Information Storage Database Server

During installation, the following tablespaces with the following initial sizes are created for Oracle Web Conferencing in the information storage database. You must have at least 1 GB of free space in the directory that you specify as the tablespace location while running the Oracle Universal Installer.

***Table 1–1 Default Tablespace Sizes for Oracle Web Conferencing***

| Tablespace Name | Default Size (MB) |
|---|---|
| rtc_lookup_data | 16 |
| rtc_lookup_index | 8 |
| rtc_transaction_data | 256 |
| rtc_transaction_index | 64 |
| rtc_archive_data | 64 |
| rtc_archive_index | 16 |
| rtc_document_data | 64 |
| rtc_document_index | 8 |
| rtc_recording_data | 64 |
| rtc_recording_index | 8 |
| rtc_transient_data | 128 |
| rtc_transient_index | 32 |
| rtc_transient_lob_data | 64 |
| rtc_transient_lob_index | 8 |
| rtc_report_data | 64 |
| rtc_report_index | 8 |
| rtc_temp | 128 |
| **TOTAL SIZE REQUIRED** | **1000 MB (1 GB)** |

The above tablespaces are created with the AUTOEXTEND setting ON and a maximum file size of 2 GB. Make sure you have enough space available for future expansion. Depending upon your use of the system, you may want to increase the size of the tablespaces.

### 1.9.3 How Installation Interacts with Oracle Internet Directory

As the Oracle Real-Time Collaboration installation process runs, it uses the Oracle Internet Directory administrator account to do the following tasks in the Oracle Internet Directory installation. The relevant files listed below are located in the following directory, `%ORACLE_HOME%\imeeting\install\oid`, on Oracle Real-Time Collaboration core components installation.

- Create a container named `RTC` (`rtccontainer.ldi`)
- Create an entity named `RTCApplication` in the `RTC` container (`rtcentity.ldi`)
- Set up an Oracle Directory Integration and Provisioning process between the Oracle Internet Directory and Oracle Real-Time Collaboration services (`install_rtc_oid.cmd`)

As noted previously, you must make sure the Oracle Directory Integration and Provisioning server is running on the Oracle Internet Directory system before running the installation, otherwise the installation process may suspend.

The Oracle Web Conferencing system stores the following data about Web conferencing users in its information store, to improve performance:

First Name
Middle Name
Last Name
User Name
E-mail address

The Oracle Real-Time Collaboration services use the Oracle Directory Integration and Provisioning service offered by Oracle Internet Directory to synchronize the data in the information store in case any of the data changes (for example, a user changes his e-mail address).

## 1.10 Oracle9*i*AS Wireless Preinstallation Requirements

Access information is not automatically retrieved when the patch set is applied. Prior to applying the patch set, ensure that your information is correct and make a copy of the `portal.properties` file, found in the `%ORACLE_HOME%\wireless\server\classes\messages` directory.

Using Enterprise Manager, shut down `OC4J_Wireless`, all Messaging Server instances, and the PIM Notification Dispatcher process.

# 2

# Installing the Patch Set

This chapter provides information on installing the patch set.

This section includes the following topics:



## 2.1 Installing the Patch Set on an Existing Oracle Collaboration Suite Installation

This section applies to customers who want to install the patch set on an existing installation of Oracle Collaboration Suite.

1. Back up the Oracle Collaboration Suite infrastructure, all information storage databases, and all middle tiers.

**Caution:**

- If you run `setup.bat` from any location other than the root directory of the CD-ROM, your Oracle Collaboration Suite installation could be permanently damaged. Run `setup.bat` from the root directory of Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) CD 1, as in the following example:

  *drive_letter*`:\setup.bat`

- You cannot deinstall the patch set. However, if you have backed up the system, you can restore the system to a state prior to installation of the patch set.

2. Apply the patch set to the infrastructure by executing `setup.bat` from the root directory of Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) CD 1.

   **Note:** If you are using a non-Oracle Collaboration Suite application server installation, *do not* install the patch set on the infrastructure. Installing the Oracle Collaboration Suite middle tier with Oracle Email and Oracle Wireless on the same machine where the infrastructure is installed requires installing an Oracle Email patch and Oracle Wireless patch onto the infrastructure. Contact Oracle Support and obtain the Email patch for bug 3883900 and the Wireless patch for bug 3884509. If you are not using a non-Oracle Collaboration Suite application server installation, apply the patch set to the infrastructure as documented in this procedure.

   See *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows* for a description of a non-Oracle Collaboration Suite application server installation.

3. If you have *not* configured the information storage database for Oracle Email, you can skip this step. Otherwise, run `setup.bat` from the root directory of Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) CD 1 on all information storage databases that are configured from Oracle Email.

**Note:** This note applies to customers who have upgraded from Oracle Collaboration Suite 9.0.3 to 9.0.4.1.1. If an information store database of Oracle Collaboration Suite version 9.0.3 was in use with text-based indexing and search enabled, and if no manual steps were performed to recreate the text index after upgrading to Oracle Collaboration Suite 9.0.4.1.1, upgrading information store to 9.0.4.2.1 will appear to fail when running the installer. The following errors appear in the log file:

```
Creating oracle text INDEX preferences...
BEGIN
*
ERROR at line 1:
ORA-20000: Oracle Text error:
DRG-10700: preference does not exist: oratextstore
ORA-06512: at "CTXSYS.DRUE", line 157
ORA-06512: at "CTXSYS.CTX_DDL", line 105
ORA-06512: at line 2
```

This error can be ignored if there are no other errors appearing in the install log. The text index still functions and will not affect any other email functionality. Use the following workaround to recreate the text index:

```
drop INDEX es_ot_ix_search;

begin
  ctx_ddl.create_preference('oratextstore', 'BASIC_STORAGE');
  ctx_ddl.set_attribute('oratextstore', 'I_TABLE_CLAUSE',
                'tablespace esoratext storage(buffer_pool keep)');
  ctx_ddl.set_attribute('oratextstore', 'K_TABLE_CLAUSE',
                        'tablespace esoratext');
  ctx_ddl.set_attribute('oratextstore', 'R_TABLE_CLAUSE',
                        'tablespace esoratext
                     lob (data) store as (storage(buffer_pool keep)
cache)');
  ctx_ddl.set_attribute('oratextstore', 'N_TABLE_CLAUSE',
                        'tablespace esoratext');
  ctx_ddl.set_attribute('oratextstore', 'I_INDEX_CLAUSE',
                        'tablespace esoratext');
  ctx_ddl.set_attribute('oratextstore', 'P_TABLE_CLAUSE',
                        'tablespace esoratext');
end;
/

CREATE INDEX es_ot_ix_search ON es_imt_msgbody(text)
        indextype IS ctxsys.context
        parameters ('DATASTORE es_search_dspref
                    FILTER        CTXSYS.NULL_FILTER
                    SECTION GROUP  es_search_sec_group
                    STORAGE        oratextstore';
```

4. Apply the patch set to the middle tiers by running `setup.bat` from the root directory of Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) CD 1.

**See Also:** Chapter 5, "Getting Started with Installation" in the *Oracle Collaboration Suite Installation and Configuration Guide for Windows* for details regarding starting the Oracle Universal Installer

**Notes:**

- Oracle Email server shutdown and startup tasks are logged in the `%ORACLE_HOME%\oes\log\install_server_check.log` file.
- During installation of the patch set on the middle tier, Oracle Email servers are shut down by the installation program. This process can take up to five minutes, during which time there will be no message on the screen.

5. If you are installing either or both the Oracle Voicemail & Fax patch and the Oracle Web Conferencing document and voice conversion servers patch, proceed to Section 2.3 and Section 2.4, respectively. Otherwise, proceed to Chapter 3, "Patch Set Postinstallation Instructions".

## 2.2 Installing the Patch Set on a New Oracle Collaboration Suite Installation

This section applies only to customers who are installing the patch set on a new Oracle Collaboration Suite installation.

1. Install the Oracle Collaboration Suite 9.0.4.1.1 infrastructure, as instructed in Chapter 6 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows*.
2. Install the Oracle Collaboration Suite 9.0.4.1.1 information storage database, as instructed in Chapter 6 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows*.

   After you install the information storage database, Oracle recommends that you upgrade it to Oracle Database 9.2.0.5, or later.
3. Install the Oracle Collaboration Suite 9.0.4.1.1 middle tier, as instructed in Chapter 6 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows*.

   During middle tier installation, deselect **Oracle Files** from the Component Configuration screen, or cancel the Oracle Files configuration assistant during the configuration phase.
4. Configure Oracle Email, as instructed in Chapter 11 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows*.
5. Install and configure Oracle Voicemail & Fax, as instructed in Chapter 7 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows*.
6. Back up the Oracle Collaboration Suite infrastructure, information storage database, and middle tier.
7. If you have configured the information storage database for Oracle Email, apply the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) to all three tiers: infrastructure, information storage database, and middle tier, as instructed in

Section 2.1, "Installing the Patch Set on an Existing Oracle Collaboration Suite Installation".

---

**Note:** If you are using a non-Oracle Collaboration Suite application server installation, install the patch set on the information store and middle tier. Installing the Oracle Collaboration Suite middle tier with Oracle Email and Oracle Wireless on the same machine where the infrastructure is installed requires installing an Oracle Email patch and Oracle Wireless patch onto the infrastructure. Contact Oracle Support and obtain the Email patch for bug 3883900 and the Wireless patch for bug 3884509. If you are not using a non-Oracle Collaboration Suite application server installation, apply the patch set to all three tiers, as documented in this procedure.

See *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows* for a description of a non-Oracle Collaboration Suite application server installation.

---

If you have *not* configured the information storage database for Oracle Email, apply the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) to the infrastructure and middle tier only, as instructed in Section 2.1, "Installing the Patch Set on an Existing Oracle Collaboration Suite Installation".

8. Proceed to Chapter 3, "Patch Set Postinstallation Instructions", and follow all instructions *except* those for Oracle Files.
9. Configure Oracle Files, including the optional Oracle Workflow integration, as instructed in Chapter 12 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows*.
10. Configure Oracle9*i*AS Wireless as instructed in the *Oracle9iAS Wireless Administrator's Guide*.
11. Configure the rest of the middle tier components according to their respective chapters in the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows*.

## 2.3 Installing the Oracle Voicemail & Fax Patch

Included on the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.0) Client CD is a patch that must be applied to the Oracle Voicemail & Fax telephony server.

Apply the patch, located in the `\Windows_Server_Patches\Voicemail_Server\VoicemailPatchSet9042` directory, as follows, to each computer on which an Oracle Voicemail & Fax telephony server resides:

1. Select **Start**, then select **Run** and enter `services.msc` in the **Open** field and click **OK**.
2. In the Services window, stop all the services with names that begin with `UM`, as will as the `rmid` and `rmiregistry` services.
3. Navigate to the `Windows_Server_Patches\Voicemail_Server\VoicemailPatchSet90421\Disk1\install\win32` folder and double click the `install_patch.bat` file.

   The command window prompts you for the `ORACLE_HOME` path.
4. Enter the complete `ORACLE_HOME` path and press **Enter**.

5. The Oracle Universal Installer Welcome screen displays.
6. Click **Next** to display a list of information stores and the `UM` password.
7. Select any information store and enter the password, and proceed with the installation.
8. When the installation is complete, restart `rmid`, `rmiregistry`, and all of the services beginning with `UM` from the Services window.

---

**Note:** If you configure a new CT Server on an upgraded middle tier, you must run `umsave.bat`, located in the `%ORACLE_HOME%\um\scripts` directory, *after* running `uminfra_install.bat` (as part of installing Oracle Collaboration Suite). This will upgrade `um.jar` to Release 2 Patch Set 1 (9.0.4.2.1).

---

## 2.4 Installing the Patch Set on the Oracle Web Conferencing Document and Voice Conversion Servers

The Oracle Web Conferencing system uses a document conversion server to convert various types of documents to HTML for presentation, and a voice conversion server to stream voice data during a conference. If you use these features, you must install the patch set on the servers, as follows:

On each system:

1. Insert the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) Client CD and navigate to the `\Windows\Server\Patches\RTC_DocumentVoice` directory.
2. Run the setup command:

   ```
   \Windows\Server\Patches\RTC_DocumentVoice\setup.exe
   ```

3. Follow the screen prompts to install the patch set. You will have to enter the password for the `RTC_APP` schema in the existing `RTC` repository.

Repeat these three steps for each system hosting either a document conversion server, voice conversion server, or both.

---

**Note:** If there are active connections to the document or voice conversion servers, you will be prevented from shutting them down. The installation will not continue if the servers are up. You can wait and then retry patch set installation, or terminate the processes by force using your operating system tools.

---

## 2.5 Installing the Patch Set on an Oracle Calendar Standalone Installation

This section applies to customers who are installing the patch set on a new or existing Oracle Calendar standalone 9.0.4.1.1 installation.

1. Read Section 1.5, "Oracle Calendar Server Preinstallation Tasks" and Section 1.6, "Oracle Calendar Application System Preinstallation Requirements".
2. Install the patch set using the steps described in Appendix F of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*. (The procedure for installing Oracle Calendar standalone 9.0.4.2.1 is virtually the same as the procedure for installing Oracle Calendar standalone 9.0.4.1.1). During installation, make sure to specify the `ORACLE_HOME` where you have Oracle

Calendar standalone 9.0.4.1.1 installed. This will update Oracle Calendar standalone 9.0.4.1.1 to Oracle Calendar standalone 9.0.4.2.1.

3. Proceed to Section 3.1, "Oracle Calendar Server Postinstallation Tasks" and Section 3.2, "Oracle Calendar Application System Postinstallation Tasks".

## 2.6 Silent and Non-Interactive Patch Set Installation

This installation includes response files for infrastructure, information storage, and middle tier.

Response files are located in the `\response` directory located in the root directory of the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) CD 1. You must edit the response files to satisfy your silent or non-interactive installation requirements. To use a response file, first copy it from the CD-ROM to your system.

> **See Also:** The following sections in Chapter 9, "Silent and Non-Interactive Installation" of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1) for Windows* for instructions
>
> - "Selecting a Response File"
> - "Editing a Response File"
> - "Specifying a Response File"

## 2.7 Installing the Patch Set on Single Computer Installations

This section provides steps for installing the patch set on Oracle Collaboration Suite (9.0.4.1.1) installed on a single computer.

> **Note:** Back up Oracle Collaboration Suite before starting the patch set installation.

For single computer installations, you must install the patch set on each of the three tiers in separate sessions of the Oracle Universal Installer in the following sequence: infrastructure, information storage database, and middle tier. For example, after installing the patch set on the infrastructure, you must exit and restart the Oracle Universal Installer to install the patch set on the information storage database. After installing the patch set on the information storage database, you must exit and restart the Oracle Universal Installer once more to install the patch set on the middle tier.

To install the patch set on Oracle Collaboration Suite installed on a single computer, repeat the following procedure for each of the three tiers:

1. Execute `setup.bat` from the root directory of Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) CD 1. This starts the Oracle Universal Installer.
2. Begin the installation. When you reach the second screen of the Oracle Universal Installer (Specify File Locations), in the drop down menu, select the ORACLE_HOME name and path appropriate for the tier onto which you are installing the patch set.

> **See Also:** Chapter 5, "Getting Started with Installation" in the *Oracle Collaboration Suite Installation and Configuration Guide for Windows* for more information about using the Oracle Universal Installer.

3. Click **Next** to continue installing the patch set.
4. Click **Exit** at the end of the installation session.

**See Also:** Section 2.1, "Installing the Patch Set on an Existing Oracle Collaboration Suite Installation" for more information about installing the patch set on an existing Oracle Collaboration Suite installation.

# 3

# Patch Set Postinstallation Instructions

This chapter contains postinstallation instructions for the various components of Oracle Collaboration Suite.

This chapter includes the following topics:



## 3.1 Oracle Calendar Server Postinstallation Tasks

This section includes the following topics:



### 3.1.1 Manually Updating category.ini and categorytype.ini for Oracle Calendar

#### If you modified category.ini before applying the patch

It is possible that before you installed the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1), you were using a customized version of the `category.ini` file with your Oracle Calendar server. For example, you may have modified `category.ini` to include specific resource names for your organization. In this case, the patch set installation program detects that the `category.ini` was customized, and does not overwrite it. However, if you want to take advantage of the patch set's increased support for languages, make the following manual changes:

1. Back up your current `category.ini` file by renaming it (for example, to `category.ini.bak`).
2. Make a copy of the newly installed `category.ini.sbs` file and name it `category.ini`. This new `category.ini` file contains support for the new languages.

3. Duplicate any custom changes made to the original `category.ini` file in the new `category.ini` file.
4. The file categorytpe.ini does not get overwritten during the installation of the patch. To manually update this file, copy categorytype.ini.sbs to categorytype.ini.

#### If you did not modify category.ini before applying the patch

The files category.ini and categorytype.ini are not overwritten during the installation of the patch. Follow these steps to manually update these files.

1. Copy `category.ini.sbs` to `category.ini`.
2. Copy `categorytype.ini.sbs` to `categorytype.ini`.

### 3.1.2 Setting Up HTTPS with mod_osso on the Middle Tier

Oracle Calendar Administrator uses HTTPS with `mod_osso` on the middle tier. Other single sign-on applications may require this, as well. If HTTPS with `mod_osso` is configured on your existing installation, applying the patch set leaves this intact.

If, however, HTTPS with `mod_osso` is not configured on your existing installation, applying the patch set does not rectify this. To configure HTTPS with `mod_osso` manually, follow the steps described in "Manually Setting Up HTTPS with mod_osso on the Middle Tier" in Chapter 6 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*.

> **See Also:** The technical note "How do I set up Oracle9*i*AS Portal (9.0.2) to use HTTPS (SSL)," available on the Oracle9*i*AS Portal Web site at
>
> `http://portalcenter.oracle.com`

### 3.1.3 Updating Non-SSL URLs in an SSL Environment

After installing the patch, the URLs in `unison.ini` are set to non-SSL URLs. If you are in an SSL environment, you must manually modify the URLs in the following sections and parameters of `unison.ini`:

***Table 3–1 URL in unison.ini***

| Section in unison.ini | Parameter |
|---|---|
| CONFERENCING | url |
| URL | webcal<br>caladmin |
| RESOURCE APPROVAL | url |

## 3.2 Oracle Calendar Application System Postinstallation Tasks

This section covers the following Oracle Calendar application system postinstallation topics:

- Section 3.2.1, "Enabling Support for New Languages in Oracle Calendar"
- Section 3.2.2, "Reducing Page Size and Enabling Support for New Attachment Types in Oracle Calendar"
- Section 3.2.3, "Configuring the Oracle Calendar Portlet"

- Section 3.2.4, "Increasing the Size of the Favorites List in the Oracle Calendar Web Client"

### 3.2.1 Enabling Support for New Languages in Oracle Calendar

Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) provides new language translations for Hungarian, Russian, Czech, and Romanian.

Enable the new language translations in Oracle Calendar, as follows:

1. Stop the Oracle HTTP Server.
2. Edit the `%ORACLE_HOME%\ocas\conf\ocas.conf` file, as follows:

```
[languages]
czech=cs
romanian=ro
russian=ru
hungarian=hu

[sortalgorithm]
czech=czech
romanian=Romanian
russian=Generic_M
hungarian=Hungarian
```

3. Start the Oracle HTTP Server.
4. Follow the steps described in Section 5.1, "Enabling New Language Translations (Optional)" on page 5-1 to enable the languages in Oracle Collaboration Suite.

### 3.2.2 Reducing Page Size and Enabling Support for New Attachment Types in Oracle Calendar

This release of Oracle Calendar includes a fix for reducing the size of pages displayed in the Oracle Calendar Web client, as well as support for new default attachment types.

Apply the page size fix and enable the attachment support as follows:

1. Stop the Oracle HTTP Server.
2. Edit the `%ORACLE_HOME%\ocas\conf\ocwc.conf` file as follows:

   Add the following line to the `[url_prefix]` section:

```
javascript_prefix = "/ocas/ocwc/%ocwc_language%/javascript/"
```

   Add the following lines to the `[download_extension]` section:

```
.zip = application/zip
.bmp = image/bmp
.png = image/png
```

   Add the following new section at the end of the file:

```
[javascript]
# extension of JavaScript file.
extension = ".ojs"
```

3. Start Oracle HTTP Server.

### 3.2.3 Configuring the Oracle Calendar Portlet

The procedures in this section describe how to configure Oracle9*i*AS Portal on a different middle tier than Oracle HTTP Server, and how to enable SSL requests from the Oracle Calendar portlet.

This section includes the following topics:

- "Configuring Oracle9iAS Portal on a Different Middle Tier"
- "Enabling SSL Requests from the Oracle Calendar Portlet"

#### Configuring Oracle9*i*AS Portal on a Different Middle Tier

If Oracle9*i*AS Portal is running on a different middle tier than Oracle HTTP Server, copy the newly installed `Calendar.jsp` and `calendarlet.zip` files onto the Oracle9*i*AS Portal middle tier to resolve the time zone issue described in Section 1.6.1, "Configuring Time Zone Behavior for the Oracle Calendar Portlet" on page 1-5. The two files to be copied are located in the following directories:

```
%ORACLE_HOME%\j2ee\OC4J_Portal\applications\webclient-calendar
\webclient-calendar-web\portlets\Calendar.jsp

%ORACLE_HOME%\j2ee\OC4J_Portal\applications\webclient-calendar
\webclient-calendar-web\WEB-INF\lib\calendarlet.zip
```

#### Enabling SSL Requests from the Oracle Calendar Portlet

The following steps describe how to enable SSL requests from the Oracle Calendar portlet.

> **Note:** This procedure is only necessary if you did *not* previously enable SSL requests on the portlet in your 9.0.4.1.1 installation.

1. Include the following `.jar` files in the Oracle9*i*AS Containers for J2EE instance `CLASSPATH`.

   ```
   %ORACLE_HOME%\jlib\javax-ssl-1_1.jar
   %ORACLE_HOME%\jlib\jssl-1_1.jar
   ```

   For example, you could include the `.jar` files in

   ```
   %ORACLE_HOME%\j2ee\OC4J_Portal\config\application.xml
   ```

   with the following lines.

   ```
   <library path="%ORACLE_HOME%\jlib\javax-ssl-1_1.jar"/>
   <library path="%ORACLE_HOME%\jlib\jssl-1_1.jar"/>
   ```

2. Ensure that `njssl9.dll` is in the directory specified in the `PATH` environment variable.

3. Modify the following file to use HTTPS rather than HTTP when accessing Oracle Calendar Web services.

   ```
   %ORACLE_HOME%\webclient\classes\oracle\collabsuite\webclient\resources\
   webclient.properties
   ```

   For example, change the following line

   ```
   calendar=http://host_name:port/ocas-bin/ocas.fcgi?sub=web
   ```

to

```
calendar=https://host_name:SSL_port/ocas-bin/ocas.fcgi?sub=web
```

4. Update `Calendar.jsp` to support SSL requests. In a typical installation, `Calendar.jsp` is found in the following directory:

```
%ORACLE_HOME%\j2ee\C4J_Portal\applications\webclient-calendar\
webclient-calendar-web\portlets
```

Enable SSL requests before the portlet's main routine, as follows:

```
System.setProperty("javax.net.ssl.KeyStore",
                   "Oracle_Wallet_Client_Certificate_Path");
System.setProperty("javax.net.ssl.KeyStorePassword", "Oracle_Wallet_
Password");
```

5. Restart Oracle9*i*AS Portal.

The `javax.net.ssl.KeyStore` property points to the Oracle wallet Web service client certificate. Since all requests are local to the same middle tier, Oracle Web Cache wallet is used.

If Oracle9*i*AS Portal and the Oracle Calendar Web services are running on the same middle tier, they can use the Oracle Web Cache wallet.

### 3.2.4 Increasing the Size of the Favorites List in the Oracle Calendar Web Client

The Oracle Calendar Web client Favorites list can now include more than 15 agendas, provided you configure this in the `ocwc.conf` and `unison.ini` files. Depending on the number you need, modify the files using values in Table 3–2:

***Table 3–2 Configuration Values to Increase the Size of the Favorites List***

| ocwc.conf [limits] maxfavourite = | unison.ini [ENG] itemextinfomaxsize = |
|---|---|
| 15 (default) | 1500 (default) |
| 20 | 1800 |
| 30 | 2500 |
| 50 | 3800 |
| 60 | 4500 |

## 3.3 Oracle Calendar Administrator Postinstallation Tasks

On standalone installations of Oracle Calendar Administrator, you need to set the PATH environment variable to include the `%ORACLE_HOME%\ocal\lib` and `%ORACLE_HOME%\lib` directories. You can do this through the Windows Control Panel, by configuring your webserver to include these directories during startup, or you can edit the `SetEnv PATH` statement in the `%ORACLE_HOME%\ocad\config\ocad.conf` file.

## 3.4 Oracle Email Postinstallation Tasks

The Oracle Universal Installer checks the `listener.ora` file for NNTP entries during installation of the patch set. These entries may be missing before applying the patch set. If the Oracle Universal Installer does not find any NNTP entries, it automatically

adds them. In order to have the `listener.ora` changes take effect, the listener on middle tier must be stopped and restarted.

### Stopping the Email Listener

To stop the email listener:

1. Click **Services**.
2. In the list of local services, locate the service ending with `listener_es`.
3. Right-click the listener name and choose **Stop**.

To stop the email listener manually, enter:

```
%ORACLE_HOME%\bin\lsnrctl stop listener_es
```

### Starting the Email Listener

To start the email listener:

1. Click **Services**.
2. In the list of local services, locate the service ending with `listener_es`.
3. If the service is not running, right click the listener name and choose **Start**.

To start the email listener manually, enter:

```
%ORACLE_HOME%\bin\lsnrctl start listener_es
```

> **See Also:** Chapter 1, "Listener Control Utility" in the *Oracle9i Net Services Reference Guide*

### Communicating with LDAP Over Secure SSL Connections

In installations where the mail protocol servers are configured to communicate with LDAP over secure SSL connections, the protocol servers log into LDAP two times—once over the standard LDAP port in order to obtain the port address on which the LDAP server is listening for SSL connections; then a second time over the SSL port. This patch set corrects this behavior. Following the application of this patch set, the protocol servers configured to communicate with LDAP securely will pick up the LDAP SSL port address from a local file and connect directly.

If your installation is configured for mail protocol servers to communicate with LDAP over secure SSL connections, edit the `oesadmin.properties` file located in the `%ORACLE_HOME%\oes\admin` directory on each middle tier, adding the following two lines:

```
oracle.mail.ldap.connectssl=boolean
oracle.mail.ldap.sslport=port_number
```

Replace *`boolean`* with either `true` or `false` (case insensitive). Setting `true` ensures the value read for `sslport` is used to connect to LDAP. A setting of `false` uses the standard non-SSL port.

*`port_number`* specifies the TCP/IP port address on which the Oracle Internet Directory (infrastructure installation) is listening for secure SSL traffic.

In order to have the LDAP SSL changes to take effect, you must restart mail protocol servers. Please refer to the Email administration guide to get information on restarting mail protocol servers.

## 3.5 Oracle Files Postinstallation Tasks

This section describes the following Oracle Files postinstallation tasks:

- "Redeploying Oracle9iAS Containers for J2EE"
- "Starting Oracle Files Processes"
- "Loading the Oracle Files Help and the Oracle FileSync Executable"
- "Oracle Workflow Postinstallation Steps"

> **See Also:** "Using Oracle Files with an Upgraded Oracle Database 10g" on page 5-24 if you intend to upgrade your existing Oracle Files information storage database to Oracle Database 10g or "Using Oracle Files with a New Oracle 10g Database" on page 5-25 if you have a new Oracle Files installation and want to use Oracle Database 10g for your information storage database. Refer to Section 4.1, "Using Oracle Collaboration Suite with Oracle Application Server 10g Identity Management and Oracle Database 10g" if you plan to configure Oracle Files with Oracle Database 10g and Oracle Identity Management 10g.

### Redeploying Oracle9*i*AS Containers for J2EE

To redeploy Oracle9*i*AS Containers for J2EE, follow these steps on each middle tier that runs an Oracle Files HTTP node and on which you have installed the patch set:

1. Stop the Oracle Files HTTP nodes. From the Oracle9*i*AS Home Page on the Oracle Enterprise Manager Web site, select `OC4J_iFS_files`.
2. Click **Stop**. On the Warning page, click **Yes** to stop the OC4J instance.
3. Undeploy the `OC4J_iFS_files` instance by entering the following command as one continuous line:

   ```
   %ORACLE_HOME%\dcm\bin\dcmctl undeployApplication -a files -co OC4J_iFS_
   files -d -v
   ```

4. Deploy the `OC4J_iFS_files` instance by entering the following command as one continuous line:

   ```
   %ORACLE_HOME%\dcm\bin\dcmctl deployApplication -f %ORACLE_HOME%\ifs\files
   \lib\files.ear -a files -co OC4J_iFS_files -d -v
   ```

### Starting Oracle Files Processes

To start Oracle Files processes, including the Oracle Files domain, regular nodes, and HTTP nodes, follow these steps for each Oracle Files middle tier:

1. Using a Web browser, access Oracle Enterprise Manager at `http://`*`host_name`*`:`*`port`*, where *`host_name`* is the name of the Oracle Files middle tier computer. The port is typically 1810.
2. Enter the authentication information in the pop-up window. The user name is typically `ias_admin`.
3. Click the name of the application server instance where Oracle Files is running. The Oracle9*i*AS Home Page appears.
4. Click the Oracle Files domain link. The domain appears in the following format:

   ```
   iFS_db_host_name:port:db_service_name:files_schema
   ```

5. Click **Start Local Components**.

6. Click **OK**.

   If there is an Oracle Files HTTP node on this middle tier, follow these additional steps:

7. Return to the Oracle9*i*AS Home Page and select **OC4J_iFS_files**.
8. Click **Start**.

### Loading the Oracle Files Help and the Oracle FileSync Executable

Load the Oracle Files help and the Oracle FileSync executable, as follows (you only need to do this once per Oracle Files domain):

1. Execute the following commands:

```
cd %ORACLE_HOME%\ifs\files\bin
ifsuploadfiles
```

2. When prompted, provide the following values:
   - Oracle Files schema password
   - Oracle Files `system` user password

     The Oracle Files `system` user resides in the Oracle Files schema. This user is not the database user `system`. You entered the password for the Oracle Files `system` user during Oracle Files configuration.
   - Oracle Files `site_admin` password
   - Oracle Files domain name, in the format:

     `ifs://`*`db_host`*`:`*`listener_port`*`:`*`db_service_name`*`:`*`files_schema_name`*

     **Note:** To find out the Oracle Files domain name, execute the following command from `%ORACLE_HOME%\ifs\files\bin`:

     ```
     ifsctl status -n
     ```

3. To ensure the files were uploaded successfully, check the `ifsuploadfiles.log` file in the `%ORACLE_HOME%\ifs\files\log` directory.

### Oracle Workflow Postinstallation Steps

Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) provides Czech, Hungarian, Romanian, and Russian language support. The following table lists the codes for these languages:

***Table 3–3 Language Codes***

| Language | Code |
|---|---|
| Czech | cs |
| Hungarian | hu |
| Romanian | ro |
| Russian | ru |

To enable additional languages in the Oracle Workflow schema, add the language codes to the `ifswfsetup.properties` file (located at `%ORACLE_HOME%\ifs\files\settings`) and run the Oracle Workflow configuration

assistant. The Oracle Workflow configuration assistant executable, `ifswfsetup.bat`, is located in the following directory:

`%ORACLE_HOME%\ifs\files\bin\`

---

**Note:** Before integrating Oracle Workflow with the Oracle Files schema, you must download and install from `http://metalink.oracle.com` the patch found under bug 3525423.

---

**See Also:** *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)* for complete instructions about running `ifswfsetup`, enabling languages for Oracle Workflow, and applying critical Oracle Workflow patches

## 3.6 Oracle Voicemail and Fax Postinstallation Tasks

This post installation task is required if you plan to install Oracle Voicemail & Fax after applying the 9.0.4.2.1 patch set to Oracle Email. Changes in the Oracle Internet Directory after Oracle Email causes an error to occur when executing Voicemail & Fax Backend Configuration Tool. The following workaround must be applied after the running of Voicemail & Fax Backend Configuration Tool (`ORACLE_HOME%/um/uminfra/uminfra_install.bat`).

1. Update `middletier.Ldif in %ORACLE_HOME%\um\scripts`

   `Global replace cn=c:\`*`ORACLE_HOME`* `with cn=`*`ORACLE_HOME`*

   For example, if *ORACLE_HOME* is `C:\test1`, perform global replace `cn=C:\test1 with cn=test1`

2. Re-run the script that loads this Ldif.

   `%OH%\um\scripts\ldap_ias.bat %OH% 1`

## 3.7 Oracle Web Conferencing Postinstallation Tasks

This section describes the following Oracle Web Conferencing postinstallation tasks:

- Resetting Root Certificates and Restarting Components
- Setting the Domain Name Property

### 3.7.1 Resetting Root Certificates and Restarting Components

After installing the patch set, you must reimport any root certificates and restart all Oracle Web Conferencing components that were shut down during the preinstallation steps in Section 1.9.1, "Shut Down Oracle Real-Time Collaboration Services" on page 1-8, as follows:

1. Reimport root certificates that you backed up as described in Section 1.9, "Oracle Web Conferencing Preinstallation Requirements" on page 1-7 into the `%ORACLE_HOME%\imeeting\conf\certdb.txt` file.
2. If any Oracle Real-Time Collaboration servers are running, stop them as follows:

   `%ORACLE_HOME%\imeeting\bin\imtctl stop`

3. If the Oracle Real-Time Collaboration OC4J instance is running, stop it as follows:

```
%ORACLE_HOME%\dcm\bin\dcmctl stop -co OC4J_imeeting -t 360 -v
```

4. Start the Oracle Real-Time Collaboration OC4J instance, as follows:

```
%ORACLE_HOME%\dcm\bin\dcmctl start -co OC4J_imeeting -t 360 -v
```

5. Start all Oracle Real-Time Collaboration servers, including document and voice conversion servers, as follows:

```
%ORACLE_HOME%\imeeting\bin\imtctl start
```

### 3.7.2 Setting the Domain Name Property

This information in this section only applies to deployments in which the Web Conferencing middle tier and the Portal middle tier reside in different domains. The Portal middle tier, which hosts the Web Conferencing portlet, assumes that the Web Conferencing middle tier resides in the same domain. As a result, users deploying the Web Conferencing middle tier and the Portal middle tier in different domains cannot use the Web Conferencing middle tier to start or join conferences. To correct this issue, set the *imtgDomain* property to the domain name of the Web Conferencing middle tier as follows:

1. Find `imtgp.properties` in the following location (all one line):

```
%ORACLE_HOME%\j2ee\OC4J_
Portal\applications\webclient-imeeting\webclient-imeeting-web\WEB-INF\classes\
```

2. In `imtgp.properties`, set the property `imtgDomain` to the domain name of the Web Conferencing middle tier.
3. Restart the Portal middle tier as follows:

```
%ORACLE_HOME%\opmn\bin\opmnctl restartproc gid=OC4J_Portal
```

## 3.8 Oracle9*i*AS Wireless Postinstallation Tasks

1. Get instance-specific configuration information from the original `portal.properties` file (that you made a copy of in Section 1.10, "Oracle9iAS Wireless Preinstallation Requirements" on page 1-10), and apply it to the new `portal.properties` and `portal_*.properties` files. The instance-specific configuration keys are:

```
marconi.account.voiceaccess.number.value
marconi.account.wirelessaccess.url.value
marconi.account.askaccess.sms.value
marconi.account.askaccess.email.value
```

2. Restart `OC4J_Wireless`, all Messaging Server instances, and the PIM Notification Dispatcher process that you shut down in Section 1.10, "Oracle9iAS Wireless Preinstallation Requirements" on page 1-10.
3. If the Oracle Collaboration Suite Patchset was installed on a Oracle Collaboration Suite 9.0.4.1.1 midtier configured against a non Oracle Collaboration Suite Infrastructure, the following scripts need to be run from the Collaboration Suite Midtier Oracle Home using a SQL*Plus session against the wireless schema in the Infrastructure Metadata Repository:

```
$ORACLE_HOME/wireless/sql/up9022-9023.sql
$ORACLE_HOME/wireless/sql/up9028-9032.sql
$ORACLE_HOME/wireless/sql/trans_clean.sql
$ORACLE_HOME/wireless/sql/trans_setup.sql
```

```
$ORACLE_HOME/wireless/sql/recomp_obj.sql
```

# 4

# Additional/Optional Oracle Collaboration Suite Upgrade Scenarios

This chapter provides information on using Oracle Collaboration Suite with Oracle Application Server 10*g* and Oracle Database 10*g*.



---

**Important:** Using Oracle Application 10g with Oracle Email requires patch 3854947 for the Email middle tier 9.0.4.1.1. See Section 4.1.5, "Installing the Oracle Collaboration Suite Middle Tier" for complete instructions.

Using Oracle Database 10g with Oracle Email requires patch 3493339, for the Email Information Store 9.0.4.2.1. See Section 4.1.6, "Installing the Oracle Email Information Store Patch" for complete instructions.

---

---

**Note:** You will not be able to upgrade your infrastructure installed from the Oracle Collaboration Suite CDs (Oracle Application Server 9.0.2.3) to Application Server 10g until the Application Server 10g recut (9.0.4.0.1) is released. Please check OTN for a revised version of this 90421 Patchset readme to include instructions on how to upgrade to Application Server 10g (9.0.4.0.1).

---

## 4.1 Using Oracle Collaboration Suite with Oracle Application Server 10*g* Identity Management and Oracle Database 10*g*

This section contains procedures for setting up Oracle Collaboration Suite 9.0.4.2.1 with new installation of Oracle Application Server 10*g* (9.0.4) Identity Management and new installation of Oracle Database 10*g* (10.1.0.2.0).

This section includes the following topics:

- Section 4.1.6, "Installing the Oracle Email Information Store Patch"
- Section 4.1.7, "Installing the Oracle Collaboration Suite Patch Set"

### 4.1.1 Installing Oracle Application Server 10*g* Infrastructure

Install Oracle Application Server 10*g* Infrastructure (including Identity Management and Oracle Application Server metadata repository). For detailed instructions on installing Oracle Application Server 10*g* Infrastructure, see section 6.18, "Installing Oracle Application Server Infrastructure 10*g*," in the *Oracle Application Server 10g Installation Guide*.

### 4.1.2 Configuring Oracle Identity Management 10*g*

This section describes how to configure Oracle Identity Management 10*g* components to work with 9.0.4.2.1 middle tiers.

1. Ensure that the following requirements are met:
   - The `ORACLE_HOME` environment variable points to the Oracle Application Server 10*g* (9.0.4) infrastructure home directory used by OracleAS Single Sign-On
   - The Oracle Application Server 10*g* (9.0.4) Oracle Internet Directory server is running
   - The Oracle Application Server 10*g* (9.0.4) infrastructure database and listener are running
2. Locate the `imconfig.bat` script in the `utilities\imconfig` directory on the "OracleAS RepCA and Utilities" CD-ROM. You use this script to update the 10*g* Identity Management components to work with 9.0.4.2.1 middle tiers.
3. Run the `imconfig.bat` script on the machine where the OracleAS 10*g* (9.0.4) Single Sign-On is installed. Use the following command:

   `imconfig.bat -10g -h` *`ldaphost`* `-p` *`ldapPort`* `-D` *`ldapDN`* `-w` *`ldapPwd`* `-oh` *`oracleHome`*

   Provide the following values:

***Table 4–1 Required script values***

| Value | Description | Example |
|---|---|---|
| *`ldaphost`* | Name of the computer running the OracleAS 10*g* (9.0.4) Oracle Internet Directory | `dbmachine.mydomain.com` |
| *`ldapPort`* | Port number on which the OracleAS 10*g* (9.0.4) Oracle Internet Directory is listening | Port number: `389` |
| *`ldapDN`* | DN of the Oracle Internet Directory user | cn=orcladmin |
| *`ldapPwd`* | Password for the Oracle Internet Directory user | |

***Table 4–1 (Cont.) Required script values***

| Value | Description | Example |
|---|---|---|
| *oracleHome* | Oracle home directory for the 10*g* (9.0.4) infrastructure database used by OracleAS Single Sign-On | |

**Optional Parameter**

Specify the `-ssl` parameter if `ldapPort` is an `SSL` port.

Example command:

```
[oracle@collabpc]$ imconfig.bat -10g -h collabpc.us.oracle.com -p 389 -D
"cn=orcladmin" -w welcome1 -oh C:\OraHome
```

Output:

```
CLASSPATH=C:\OraHome\jlib\jssl-11.jar;C:\OraHome\jlib\javax-ssl-11.jar;C:\OraHome\
jdbc\lib\classes12.jar;.\imcomp.jar;.\..\..\repCA\jlib\ldapjclnt9.jar
Check C:\OraHome\sso\log\IMComp.log for results
-> LOADING: C:\OraHome\sso\log\changeiASAdmins.ldif
-> LOADING: C:\OraHome\sso\log\changeAccess.ldif

The Oracle Identity Management version 10g has been
updated successfully. Version 9.0.2 middle tier installations
can now be associated with this Infrastructure.
```

### 4.1.3 Installing the Metadata Repository

This section contains procedures for installing the metadata repository portion of the Oracle 9*i* Application Server (9.0.2.3) Infrastructure. During this procedure you point the metadata repository to Oracle Application Server 10*g* (9.0.4) Identity Management for the Oracle Application Server 10*g* Single Sign-On and Oracle Internet Directory components.

**Note:** If the Oracle Application Server 10*g* and Oracle 9*i* Application Server (9.0.2.3) metadata repositories are on the same computer, the Oracle Enterprise Managers have to be configured to listen on different ports.

In Oracle Collaboration Suite 9.0.4.1.1, the installer assigns port 1810 to the Oracle Enterprise Manager Web Site, regardless of whether or not the port is already in use. You can change the port used by the Oracle Application Server 10*g* (9.0.4) Oracle Enterprise Manager to a different port. You can then run both Oracle Enterprise Managers at the same time. To change the port on the Oracle Application Server 10*g* (9.0.4) Oracle Enterprise Manager, perform these steps:

1. In the OracleAS 10*g* (9.0.4) home, edit the `ORACLE_HOME\sysman\j2ee\config\emd-web-site.xml` file and change the port value from 1810 to an unused port. The following example sets the port to 1814:

   ```
   web-site host="[ALL]" port="1814" display-name="Oracle
   Enterprise Manager iAS Console Website" secure="false"
   ```

   If the Oracle Collaboration Suite 9.0.4.1 instance is using 1810, it is also likely that the instance is using port 1811 for RMI operations. With the 9.0.2 Oracle Enterprise Manager running, check which port in the 1810-1829 range is unused, and use this value. You can run the `netstat` command to determine which ports are in use. The following example checks if port 1814 is in use.

   ```
   netstat -n | grep 1814
   ```

2. In the OracleAS 10*g* (9.0.4) home, enter the same port number in the `ORACLE_HOME\sysman\emd\targets.xml` file. The port number is specified in the `StandaloneConsoleURL` property of the `oracle_ias` target:

   ```
   <Target TYPE="oracle_ias" NAME="infra.myhost.oracle.com"
   VERSION="1.0">
   ... lines not shown ...
   <Property NAME="StandaloneConsoleURL"
   VALUE="http://myhost.oracle.com:1814/emd/console"/>
   ```

Once you have updated these two files, you can run *both* Oracle Enterprise Manager (9.0.2) and Oracle Enterprise Manager 10*g* (9.0.4) at the same time.

To start the Oracle 9*i* Application Server (9.0.2.3) metadata repository installation, first follow the instructions in Chapter 5, "Getting Started with Installation" in the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1).* Then, instead of continuing on to Chapter 6, "Installing Oracle9*i*AS Infrastructure," use the following Steps 1 through 13.

1. The Confirm Pre-Installation Requirements screen appears after you click **Next** on the Language Selection screen.
2. Click **Next** to display the Select Configuration Options screen. Do not accept the default selection but select **specify your choice** and deselect the **Oracle Internet Directory** and **Oracle iAS Single Sign-On** components.

3. Click **Next** to configure the OracleAS 10*g* Single Sign-On with the Oracle9*i*AS (9.0.2.3) metadata repository. Enter the OracleAS 10*g* Single Sign-On host and port of the OracleAS 10*g* installation in step 1.
4. Click **Next** and specify the OracleAS 10*g* Oracle Internet Directory administrator username and password.
5. Click **Next** to display the create instance name and ias_admin password screen. Choose an Instance Name and choose and confirm the ias_admin Password.
6. Click **Next** to display the Guest Account Password screen.

---

**Note:** The Oracle Universal Installer creates the `orclguest` account during running the Oracle directory configuration assistant. Because the Oracle Internet Directory is in the OracleAS 10*g* infrastructure environment, the OUI will not create the orclguest account because it does not run the Oracle Internet Directory configuration assistant. If you want the orclguest account to be configured you have to create an orclguest user using the OIDDAS application of the OracleAS 10*g* Infrastructure. If you do not create this account the Oracle Collaboration Suite 9.0.4.1.1 middle tier installer will give a warning for some configuration assistants that this account does not exist. You can ignore those errors if you do not need this account.

---

7. Click **Next**. If you are a member of the DBA group, the Summary screen displays. Proceed to Step 9. If you are not a member of the DBA group, the Privileged Operating System Groups screen displays.
8. Enter Database Administrator (OSDBA) Group and Database Operator (OSOPER) Group names.
9. Click **Next** to display the Summary screen.
10. Review the information and click **Install**. The location of the log files for the installation displays. After you click **Install**, files are copied and linked. This process can run for more than an hour.
11. The Oracle Universal Installer executes a configuration assistant for each component selected previously in the Select Configuration Options screen.

**Note:** If you install the OracleAS 10*g* Infrastructure and the Oracle 9*i* Application Server (9.0.2.3) metadata repository on the same computer, it is possible that the network listener for the Oracle Application Server 10*g* metadata repository is already listening on IPC protocol with `key=EXTPROC` and TCP protocol on port 1521. In this case, the Oracle Net Configuration Assistant may suspend. You can find the following errors in the `listener.log` file in the `iAS_9.0.2.3_Metadata_Repository_home\network\log` directory:

```
Error listening on:
(DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=EXTPROC)))
TNS-12542: TNS:address already in use
TNS-12560: TNS:protocol adapter error
TNS-00512: Address already in use
Linux Error: 98: Address already in use
```

In this case:

1. Click **Stop** to stop the network configuration assistant.
2. Go to an operating system shell and stop the listener from the OracleAS 10*g* environment using `$ lsnrctl stop`
3. Return to the Oracle Universal Installer window and click **Retry**.

The Oracle Net Configuration Assistant will now run successfully.

The Oracle Application Server 10*g* metadata repository database registers itself with the Oracle 9*i* Application Server (9.0.2.3) listener so the subsequent configuration assistants can reach it on port 1521.

When the Oracle 9*i* Application Server (9.0.2.3) metadata repository installation is finished, you can stop its network listener and copy the SID-specific information from its `listener.ora` file to the Oracle Application Server 10*g* `listener.ora` file, for example:

```
(SID_DESC =
   (GLOBAL_DBNAME = iasdb1.collabtng10.us.oracle.com)
   (ORACLE_HOME = \u01\app\oracle\product\ocsinfra)
   (SID_NAME = iasdb1)
)
```

Then start the listener from the Oracle Application Server 10*g* Oracle home.

12. The End Of Installation screen displays the port numbers for installation and confirms success.
13. Check the installation log files for any installation errors. The installation log files are located in the `oraInventory` directory. The default installation log file directory is `orInventory_directory\logs`. Each installation log takes the form `InstallActionsYYYY-MM-DD_HH-MM-SSAM.log`.

### 4.1.4 Installing Oracle Database 10*g*

This section contains procedures for installing Oracle Database 10*g* and explains how to set the required database parameters.

1. Follow the instructions in *Oracle Database 10g Installation Guide* to install Oracle 10*g* Database.
2. Ensure that the following database parameters are set for the Oracle Database 10*g*.

The values listed in Table 4–2 are minimum values for these parameters. You may want to increase these values as appropriate for your deployment.

***Table 4–2 Oracle Database 10g Database Parameters***

| Parameter Name | Minimum Value |
|---|---|
| `aq_tm_processes` | 1 |
| `java_pool_size` | 30 MB |
| `job_queue_processes` | 10 |
| `open_cursors` | 300 |
| `processes` | 100 |
| `session_max_open_files` | 50 |
| `shared_pool_size` | 50 MB (52428800 bytes) |

3. On the computer on which the Oracle 10*g* Database is installed, restart the database and the database listener.
4. Register the Oracle Database 10*g* with Oracle Internet Directory, as follows:

   **Running the Oracle Net Configuration Assistant**

   a. Start the Oracle Net configuration assistant by selecting **Start**, **Programs**, **Oracle - *HOME_NAME***, **Configuration and Migration Tools**, followed by **Net Configuration Assistant** to display the Welcome screen.

   b. In the Welcome window, select **Directory Usage Configuration** and click **Next**.

   c. Select the directory server you want to use. The directory server must already be configured for Oracle usage.

   d. Click **Next**.

   e. Select Oracle Internet Directory as the directory server type you want to use and click **Next**.

   f. Enter the Oracle Internet Directory host name, port, and SSL port and click **Next**.

   **Note:** The dbca may prompt a message to set higher values for the Database parameters, if any of the parameters in Table 4–2 is below the minimum value required. User must select **Yes** to enable those values to be updated.

   g. Select **cn=OracleContext** as the default Oracle Context in the directory server.

   **Note:** Do not select **cn=OracleContext,*subscriber_specific_DN***.

   h. Click **Next**.

   i. Proceed to the end of the Oracle Net Configuration Assistant configuration.

   This creates an `ldap.ora` file that specifies the Oracle Internet Directory server and port number in the `%ORACLE_HOME%\network\admin` directory.

   j. Exit the Oracle Net Configuration Assistant.

**Running the Database Configuration Assistant**

a. Start the database configuration assistant by selecting **Start**, **Programs**, **Oracle -** *HOME_NAME*, **Configuration and Migration Tools**, followed by **Database Configuration Assistant**.

b. Click **Next**.

c. Select **Configure database options in a database** and click **Next**.

d. Select the SID of the Oracle Email database to configure and click **Next**.

e. Select **Yes** and register the database.

   Enter `cn=orcladmin` in the **User DN** field.

   Enter the password for the name entered in the **User DN** field.

f. Click **Finish**.

g. In the Restart Database screen click **Yes**.

h. In the Summary screen click **OK**.

   The progress of database configuration displays in the Database Configuration Assistant screen.

i. Enter new passwords for the SYS and SYSTEM users of the Collaboration Suite Database database.

j. Click **Password Management**.

   Select all checkboxes on the screen after verifying that your computer meets the minimum pre-installation requirements.

k. Locate the `CTXSYS` account and unlock it by clicking the box in the **Lock Account** column.

l. Enter and confirm a new CTXSYS password.

m. Click **OK** to display the Confirm Pre-Install Requirements screen.

n. Click Next to display the Create Instance Name and ias_admin Password screen.

o. Exit the Database Configuration Assistant when the configuration completes.

**See Also:** Oracle Database Advanced Security Administrator's Guide 10g Release 1 (10.1), chapters 2 and 12 for more information about using the database configuration assistant and registering the database

### 4.1.5 Installing the Oracle Collaboration Suite Middle Tier

This section contains procedures for installing the Oracle Collaboration Suite 9.0.4.1.1 middle tier.

1. Before installing the middle tier, apply the following patches on the Oracle 9*i* Application Server (9.0.2.3) infrastructure metadata repository installation:
   - Patch 3238095
   - Patch 2563444
   - Patch 2802414

2. Install the Oracle Collaboration Suite 9.0.4.1.1 middle tier, as instructed in Chapter 6 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*.

---

**Caution:** Before running `umconfig.bat` to configure Email during Oracle Collaboration Suite 9.0.4.1.1 middle tier installation, you must apply the Oracle Email patch for bug 3854947 for Oracle Application Server 10g (9.0.4) compatibility patch on the middle tier. You can find this patch on `http://metalink.oracle.com`.

---

---

**Note:** Note the following points:

- During the middle tier installation, deselect **Oracle Files** from the Component Configuration screen, or cancel the Oracle Files configuration assistant during the configuration phase.
- In the OracleAS 10*g* Single Sign-On and Oracle Internet Directory registration dialog windows, provide the OracleAS 10*g* Identity Management information.
- After you specify the *i*AS instance name and administrator password, the Oracle9*i*AS Metadata Repository selection window will appear because you have two metadata repository registered in the Oracle Internet Directory. Select the Oracle 9*i* Application Server (9.0.2.3) metadata repository.
- Real-Time Collaboration Configuration Assistants will fail during this installation. This will be fixed when you apply the Oracle Collaboration Suite 9.0.4.2.1 to this middle tier.

---

3. Once the Oracle Collaboration Suite middle tier is installed, configure Oracle Email on the Oracle Database 10*g* Release 1 (10.1.0.2) information store by executing `umconfig.bat` in the middle tier system as follows:

```
%ORACLE_HOME%\oes\bin\umconfig.bat
```

**See Also:** *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*

---

**Note:** When running `umconfig.bat`, select **MailStore Configuration**. You only need to run `umconfig.bat` against the information store.

---

**Note:** The following Oracle Database 10*g* errors can be ignored:

Errors from dropping non-existent database objects:

- ORA-00942: table or view does not exist
- ORA-04043: object does not exist

Errors when compiling the following PL/SQL packages and procedures:

- MAIL_RECOVERY
- MAIL_RECOVERY_FQ
- ES_DOC_DATASTORE
- ES_SEARCH_DATASTORE

Errors when creating a text index:

- ORA-20000: Oracle Text Error
- DRG-10761: procedure does not exist

### 4.1.6 Installing the Oracle Email Information Store Patch

This section explains how to install the Oracle Email Information Store Patch Release 9.0.4.2.1 on the Oracle Database 10*g* Release 1 (10.1.0.2) information store.

**Note:** Because you ran the `umconfig.bat` script in the previous step, the custom Oracle Database 10*g* Release 1 (10.1.0.2) will have an Oracle Email 9.0.4.1.1 schema prior to installing the patch.

1. Go to `http://metalink.oracle.com` and navigate to the Patches web page.
2. Download the Oracle Email Information Store Patch Release 9.0.4.2.1 (for Windows), listed under Patch Number 3493339, to the information store system.
3. For details on installing the patch, follow the details provided in the Email Information Store Patch readme that accompanies the Email Information Store Patch.

### 4.1.7 Installing the Oracle Collaboration Suite Patch Set

This section contains procedures for applying the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) to the Oracle 9i Application Server (9.0.2.3) metadata repository and Oracle Collaboration Suite 9.0.4.1.1 middle tier.

**Caution:** Before running `umconfig.bat` to configure Email during Oracle Collaboration Suite 9.0.4.1.1 middle tier installation, you must apply the Oracle Email patch for bug 3854947 for Oracle Application Server 10g (9.0.4) compatibility patch on the middle tier. You can find this patch on `http://metalink.oracle.com`.

1. Configure the middle tiers to start using the new custom Oracle Database 10*g* Release 1 (10.1.0.2) as the information store by executing `umconfig.bat` in the middle tier system as follows:

```
%ORACLE_HOME%\oes\bin\umconfig.bat
```

**Note:** When running `umconfig.bat`, select **Middle Tier Configuration** only.

For more information, see *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*

2. Install the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) on the Oracle 9i Application Server (9.0.2.3) metadata repository ORACLE_HOME. See Chapter 2, "Installing the Patch Set" for details. Refer also to Section 4.1.3, "Installing the Metadata Repository" for the ORACLE_HOME.
3. Install the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) on the Oracle Collaboration Suite middle tiers as instructed in Section 4.1.5, "Installing the Oracle Collaboration Suite Middle Tier".
4. Install and configure Oracle Voicemail & Fax, as instructed in Chapter 8 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*.
5. Proceed to Chapter 3, "Patch Set Postinstallation Instructions" and follow all instructions except those for Oracle Files.
6. Configure Oracle Files, including the optional Oracle Workflow integration, as instructed in Chapter 14 of the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*.
7. Configure Oracle9*i*AS Wireless as instructed in the *Oracle9iAS Wireless Administrator's Guide*.
8. Configure the rest of the middle tier components according to their respective chapters in the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*.

# 5

# New Features

This chapter contains information on various new features of Oracle Collaboration Suite and its components included in patch set Release 2 Patch Set 1 (9.0.4.2.1).

This chapter includes the following topics:



## 5.1 Enabling New Language Translations (Optional)

The Oracle Collaboration Suite patch set Release 2 Patch Set 1 (9.0.4.2.1) provides new language translations for Hungarian, Russian, Czech, and Romanian.

If you intend to use one or more of these languages, you must enable them according to the instructions in this section.

> **See Also:** Section 3.2.1, "Enabling Support for New Languages in Oracle Calendar" on page 3-3 for enabling new language support in Oracle Calendar

The following sections explain how to enable the new language translations for the infrastructure and the middle tier.

### Infrastructure

> **Caution:** Enabling the same language more than once in Oracle9*i*AS Single Sign-On will result in repository corruption. Select the language selection menu from the Oracle9*i*AS Single Sign-On login page to see which languages are enabled for the instance.

1. Set the following environment variables:
   - Set the `ORACLE_HOME`
   - Set the `PATH` to include the following:

     ```
     %ORACLE_HOME%\bin
     ```

2. Create a directory in the infrastructure, as follows:

   ```
   mkdir %ORACLE_HOME%\sso\nlsres\ctl\language
   ```

   where *`language`* is one of the following language codes:
   - `hu`: Hungarian
   - `ru`: Russian
   - `cs`: Czech
   - `ro`: Romanian

3. Copy the *`middle_tier_%ORACLE_HOME%`*`\portal\admin\plsql\nlsres\ctl\language` file to the *`infrastructure_%ORACLE_HOME%`*`\sso\nlsres\ctl\`*`language`* file.

   **Note:** If using FTP, execute the transfer in binary mode.

4. Enable Oracle9*i*AS Single Sign-On to support the new language by running the following command from the infrastructure (the following command is one continuous line):

   ```
   %ORACLE_HOME%\jdk\bin\java -jar %ORACLE_HOME%\sso\lib\ossoca.jar langinst
   language 1 %ORACLE_HOME%
   ```

### Middle Tier

**Caution:** Enabling the same language more than once in Oracle9*i*AS Portal will result in repository corruption. Enable the language selection portlet to display enabled languages.

**See Also:** *Oracle Application Server Portal Configuration Guide* for more information

1. Set the following environment variables:
   - Set the `ORACLE_HOME`
   - Set the `PATH` to include the following:

     ```
     %ORACLE_HOME%\bin
     ```

2. Enable Portal to support the new language by running the following command from the middle tier (the following command is one continuous line):

   ```
   %ORACLE_HOME%\assistants\opca\ptlasst.bat -mode LANGUAGE -s portal -sp
   portal_password -c host.domain.com:1521:SID -lang language -available
   -silent -m portal -verbose
   ```

   where *`language`* is one of the following language codes:

- hu: Hungarian
- ru: Russian
- cs: Czech
- ro: Romanian

and *portal_password* is the Oracle9*i*AS Portal schema password. It can be retrieved from Oracle Internet Directory with dn:

```
OrclResourceName=portal_user,orclReferenceName=SID.host.domain.com,
cn=IAS Infrastructure Databases,cn=IAS,cn=Products,cn=OracleContext
```

*host.domain.com*:1521:*SID* specifies the connect string to the infrastructure database. The format should be host_name:port:SID. Default port and SID are 1521 and iasdb respectively.

## 5.2 Support for Oracle Database 10*g* Release 1

With this patch set, Oracle Collaboration Suite now supports Oracle Database 10*g*. Full instructions for using Oracle Database 10*g* with Oracle Collaboration Suite are provided in Chapter 4, "Additional/Optional Oracle Collaboration Suite Upgrade Scenarios".

## 5.3 New Features in Oracle Calendar

This section describes the new Oracle Calendar features and includes the following topics:



### 5.3.1 New Features in the Oracle Calendar Server

This release of the Oracle Calendar server includes the following new features:

- Performance enhancements
  - Server side security enforcement
  - Improved event retrieval
  - Improved low-level event searching
  - Decreased CPU usage through tuning of low-level database access
  - Decreased CPU usage through tuning of Global Address List construction
- Scalability enhancements
  - Increased the maximum number of contacts per node to between 600000 and 1 million depending on your setup
  - Serialization of synchronization context refreshes

- Tighter integration with Oracle Internet Directory
  - Access to more user attributes
  - Better support for users who have multiple e-mail addresses in Oracle Internet Directory (3299418)
  - Increased deployment flexibility through support for non-persistent (on demand) Directory Access Server connections
- Support for coexistence between a standalone calendar server connected to an iPlanet directory server and an Oracle Calendar server connected to an Oracle Internet Directory server and linked through Oracle Directory Integration and Provisioning to an iPlanet directory server
- Increased support for Oracle Connector for Outlook
  - Support for personal annotation of meeting details
  - Increased length of the country name and middle name attributes
  - Support for longer resource IDs
  - Support for longer resource names
  - Support for the following attributes in the user information dialog box:
    * Department
    * Display
    * Home (phone number)
    * Office
    * Address (office address)
    * City (office address)
    * State (office address)
    * Zip code (office address)
    * Pager (phone number)
    * Alias
    * Business 2 (phone number)
    * Home 2 (phone number)
    * Notes (phone number)
    * Assistant
    * Assistant (phone number)
    * Manager (organization)
- Support for the capability to invite users by e-mail address or user ID
- Support for the ability to restrict users from browsing the user directory when logging in (3266790)
- The initials attribute is now mapped to middle name by default
- Web conferencing notifications can be disabled
- New languages supported for notification and reminder e-mails: Czech, Hungarian, Romanian and Russian

- Support for longer lists of Oracle Calendar Web client favorites
- Several server parameters have been added and updated to support new features. For a detailed listing of the changes see the *Oracle Collaboration Suite Release Notes*.
- The capability to limit the maximum number of attendees for a meeting has been added. The default limit is 5000.

## 5.3.2 New Features in the Oracle Calendar Administrator

In this release of the Oracle Calendar Administrator you can search for resources by category using the advanced search.

## 5.3.3 New Features in the Oracle Calendar Application System

This section includes the following topics:

- "New Features in the Oracle Calendar Web Client"
- "New Features in Oracle Sync Server"
- "New Features in Oracle Calendar Web Services"

### New Features in the Oracle Calendar Web Client

This section lists new features of the Oracle Calendar Web client.

- The Favorites list can now include more than 15 agendas, provided this is configured in the `ocwc.conf` and `unison.ini` files. See Section 3.2.4, "Increasing the Size of the Favorites List in the Oracle Calendar Web Client" on page 3-5 for configuration instructions. (3138441)
- The Web client now supports the following languages: Romanian, Russian, Hungarian and Czech. See Section 3.2.1, "Enabling Support for New Languages in Oracle Calendar" on page 3-3 for configuration instructions. (3387489)
- E-mail addresses can now be used to search for users. (3292710)
- Pages have been optimized for faster performance. (3306569)
- Opening remote users' agendas is now faster. (2984604, 3315169)
- Supported default attachment types now include `.zip`, `.bmp`, and `.png`. See Section 3.2.2, "Reducing Page Size and Enabling Support for New Attachment Types in Oracle Calendar" on page 3-3 for configuration instructions. (3140301)
- Internet Explorer's Autocomplete feature is now disabled for text fields in Oracle Calendar; this is to increase security, particularly for users who share a computer. (3267536)
- Various enhancements, such as a clearer subject line, have been implemented in Resource Approval e-mail messages. (3274584)
- The Oracle Calendar portlet can now display meetings that last more than 24 hours. (3104320)
- External users invited to meetings are now displayed in the attendees list. (3258432)
- The time zone table under Preferences has been translated. (3125321)
- The names of files attached to meetings are now displayed. (2634962)
- The New Task page in Accessible mode is more clearly organized. (3402994)

### New Features in Oracle Sync Server

This section lists new features of Oracle Sync Server.

The following devices have been certified for use with Oracle Sync Server:

- Sony Ericsson P900 (with firmware R4A06)
- Sony Ericsson T610/T616
- Nokia 6600
- Nokia 6820
- Siemens M55

This release provides support for version 2.1.0.1 of the Synthesis SyncML client used on the following devices with Oracle Sync Server:

- PocketPC:
  - HP iPAQ 5550
  - Dell Axium
  - Siemens SX56
- Palm:
  - Sony Clie TG50
  - Palm Tungsten W
  - Palm Tungsten T3

This release provides support for Blackberry devices used with Oracle Sync Server and Research In Motion's Consilient2 SyncML solution.

### New Features in Oracle Calendar Web Services

This section lists new features of Oracle Calendar Web services.

- **Summaries**: Through Web services, users can now query the Oracle Calendar server for the number of unconfirmed events, number of open tasks, or number of overdue tasks, based on a date range.
- **Searches**: Through Web services, users can now search the Oracle Calendar server for events based on criteria such as location, title, start time and attendees.

## 5.3.4 New Features in Oracle Connector for Outlook

This section lists new features of Oracle Connector for Outlook.

- Ability to add personal notes to an entry. The steps are as follows:
  1. Type the text in the **Notes** section of the entry.
  2. Save the entry.
  3. Your personal note is displayed in the **Notes** section. To view the entry organizer's original notes, click **Organizer's Notes**.
  4. If the entry owner modifies the original note, a bell icon will appear beside the **Organizer's Note** button. To view the organizer's modified note, click **Organizer's Note**. The bell icon will not be displayed after you view the modified note.

> **Note:** This feature is only available for calendar entries created by other users. Users cannot add personal notes to entries they create.

- Use of an extensible time zone table. To address issues encountered by users of older versions of Windows in certain time zones, the way time zones are handled was re-architectured. This re-architecture enables Oracle Connector for Outlook to dynamically adapt to time zone discrepancies between the Windows' time zone and the calendar server's time zone. (3207187, 3197015)
- To provide quick access to other users' folders, a list of most recently opened other users' folders is available by selecting **File**, then selecting **Open**. This list is also available by using a keyboard shortcut.
- Additional GAL user attributes displayed in the Properties dialog box
  - User attributes displayed are more representative of the fields available in Oracle Internet Directory
  - Certain attributes can be hidden through the use of server-side parameters

> **Note:** Display of direct reports is not yet supported.

- Significant decrease in e-mail notifications sent for Web conferences
  - E-mail notifications are only sent when a Web conference is created, the time is updated or if a new attendee is added
- Selecting **I am currently out of the office** using the Out of Office Assistant defaults to the **Reply only once to each sender** option instead of the **Reject sender's e-mail** option
- Support for Windows Server 2003
- Support for ActiveSync to 3.7.1
- Support for Czech, Russian and Romanian

## 5.3.5 New Features in the Oracle Calendar Desktop Clients

This section includes the following topics:



### Oracle Calendar Desktop Client for Windows

- Ability to search for users based on their user IDs and e-mail addresses
- Comma and tab-delimited exports include information from the **Details** field
- Support for French

### Oracle Calendar Desktop Client for Macintosh

- Ability to search for users based on their user IDs and e-mail addresses

- Comma and tab-delimited exports include information from the **Details** field

#### Oracle Calendar Desktop Client for Linux

- Ability to search for users based on their user IDs and e-mail addresses
- Comma and tab-delimited exports include information from the **Details** field

#### Oracle Calendar Desktop Client for Solaris

- Ability to search for users based on their user IDs and e-mail addresses
- Comma and tab-delimited exports include information from the **Details** field

### 5.3.6 New Features in the Oracle Calendar Sync Clients

This section includes the following topics:

- "Oracle Calendar Sync for Palm for Windows"
- "Oracle Calendar Sync for Palm for Macintosh"
- "Oracle Calendar Sync for Pocket PC"

#### Oracle Calendar Sync for Palm for Windows

- Support for the Tungsten W
- Support for French

#### Oracle Calendar Sync for Palm for Macintosh

- Support for Mac OS 9.22 to 10.3

#### Oracle Calendar Sync for Pocket PC

- Support for the HP IPAQ 5550 (2003) and Dell Axim 2003
- Support for French

## 5.4 New and Updated Server Parameters for the Oracle Calendar Server

This section describes new and updated parameters for the Oracle Calendar server and contains the following topics.

- Section 5.4.1, "New Parameters in the unison.ini File"
- Section 5.4.2, "Updated Parameters in the unison.ini File"

### 5.4.1 New Parameters in the unison.ini File

Table 5–1 contains the new parameters that have been added to the `unison.ini` file.

*Table 5–1 New parameters added to the unison.ini file*

| Section | Parameter | Description |
|---|---|---|
| `[CLIENT]` | `oc_minsendreceivera te` | Controlling the Rate of Oracle Connector for Outlook Refreshes |
| | `searchorder_user` | Specifying Client Application Search Methods |
| `[CONFERENC ING]` | `baseurl_join` | Redirecting Web Conferencing URLs |

*Table 5–1 (Cont.) New parameters added to the unison.ini file*

| Section | Parameter | Description |
|---|---|---|
| | disablenotification | Disabling Web Conferencing Notification |
| [DAS] | dir_connectmodel | Specifying the Directory Server Connection Model |
| [ENG] | dir_enableldappersonsearch | Enabling Access to LDAP Directories |
| | maxattendees | Limiting the Number of Meeting Attendees |
| | ocas_sessionexpiry | Setting Time Limits for Oracle Calendar Application System Sessions |
| [LDAP] | attr_alias | Specifying the LDAP Attribute for Alias |
| | attr_assistant | Specifying the LDAP Attribute for Assistant Name |
| | attr_assistantphone | Specifying the LDAP Attribute for Assistant Phone Number |
| | attr_department | Specifying the LDAP Attribute for Department |
| | attr_displayname | Specifying the LDAP Attribute for Display Name |
| | attr_homephone2 | Specifying the LDAP Attribute for Alternate Home Phone Number |
| | attr_managerdn | Specifying the LDAP Attribute for Manager |
| | attr_notes | Specifying the LDAP Attribute for Notes |
| | attr_officeaddress | Specifying the LDAP Attribute for Business Address: Street |
| | attr_officecity | Specifying the LDAP Attribute for Business Address: City |
| | attr_officename | Specifying the LDAP Attribute for Business Address: Building |
| | attr_officepostalcode | Specifying the LDAP Attribute for Business Address: Postal Code |
| | attr_officestate | Specifying the LDAP Attribute for Business Address: State |
| | attr_pager | Specifying the LDAP Attribute for Pager |
| | attr_phone2 | Specifying the LDAP Attribute for Alternate Business Phone |

### Controlling the Rate of Oracle Connector for Outlook Refreshes

Parameter: `oc_minsendreceiverate`

Section: `[CLIENT]`

Description: Specifies the minimum number of minutes before the next automatic call to the server to check for new agenda entries. This is used by Oracle Connector for Outlook only.

Accepted values: Any positive integer

Default value: `15`

### Specifying Client Application Search Methods

Parameter: `searchorder_user`

Section: `[CLIENT]`

Description: Specifies to the client which search methods to use and in what order when trying to find a calendar user account.

Accepted values: A comma delimited list of search methods enclosed in curly braces. The currently recognized search methods are: `X400, USERID, EMAIL`.

Default values: At installation, if e-mail is mapped to user ID then the default value is set to `{USERID, X400}`. Otherwise there is no default set.

### Redirecting Web Conferencing URLs

Parameter: `baseurl_join`

Section: `[CONFERENCING]`

Description: Specifies the base URL to use to replace the base URL of the join URL provided by Web Conferencing when a meeting is created.

> **See Also:** `[CONFERENCING]url` in the *Oracle Calendar Reference Manual*

Accepted values: A base URL of the following format:

Protocol: `HTTP` or `HTTPS`
Hostname: *hostname value* (default = localhost)
Port: *port value* (HTTP default = 80, HTTPS default = 443)
If a path is supplied, it is ignored.
Example:

```
HTTP://localhost:80/
HTTPS://myhost.com:7815/
```

Default value: None

### Disabling Web Conferencing Notification

Parameter: `disablenotification`

Section: `[CONFERENCING]`

Description: Specifies whether or not Web Conferencing sends e-mail notifications of changes made to meetings by Calendar client applications. This parameter applies to Oracle Connector for Outlook only.

Accepted values:

`TRUE` (Disables notification)

`FALSE` (Enables notification)

Default value: `FALSE`

### Specifying the Directory Server Connection Model

Parameter: `dir_connectmodel`

Section: `[DAS]`

Description: Specifies the directory server connection model. In the persistent connection model, the directory server connection is established at startup and

terminated at shutdown. In the on-demand connection model, the directory server connection is established for a transaction that requires directory access and is terminated at the end of the transaction.

Accepted values:

`persistent`

`ondemand`

Default value: `persistent`

### Enabling Access to LDAP Directories

Parameter: `dir_enableldappersonsearch`

Section: `[ENG]`

Description: Enables or disables access to non-calendar users stored in an LDAP directory. To minimize the number of hits to the LDAP directory server in environments where all the LDAP users are provisioned for Oracle Calendar, set this parameter to `FALSE`. When this parameter is set to FALSE, the attribute "gal-enabledapsearch" in [ENG] is implicitly set to FALSE as well.

Accepted values

`TRUE` (Enables access to the LDAP directory)

`FALSE` (Disables access to the LDAP directory)

Default value: `TRUE`

### Limiting the Number of Meeting Attendees

Parameter: `maxattendees`

Section: `[ENG]`

Description: Specifies the maximum number of attendees an event can have. This parameter does not apply to holidays, the `unimvuser` utility, or replication.

A value of 0 indicates that no limit should be enforced by the server.

Accepted values: Any positive integer or 0.

Default value: `5000`

### Setting Time Limits for Oracle Calendar Application System Sessions

Parameter: `ocas_sessionexpiry`

Section: `[ENG]`

Description: Specifies the amount of time, in minutes, before the connection between Oracle Calendar Application System and Oracle Calendar server is terminated. The actual expiry is set within plus or minus 30% of this value. This implies that, with a default setting of 2160 minutes (36 hours), the actual expiry will be within 1 or 2 days of the connection being established. A value of 0 indicates that no limit should be enforced by the server.

> **Note:** Client applications are not affected by this connection loss.

Accepted values: Any positive integer or 0.

Default value: 2160 (36 hours)

### Specifying the LDAP Attribute for Assistant Phone Number

Parameter: attr_assistantphone

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the ASSISTANT-PHONE attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: None

### Specifying the LDAP Attribute for Alias

Parameter: attr_alias

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the ALIAS attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: uid

### Specifying the LDAP Attribute for Assistant Name

Parameter: attr_assistant

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the ASSISTANT attribute.

---

**See Also:** [LDAP]attr_assistantphone in Specifying the LDAP Attribute for Assistant Phone Number

---

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: None

### Specifying the LDAP Attribute for Department

Parameter: attr_department

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the DEPARTMENT attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: departmentnumber

### Specifying the LDAP Attribute for Display Name

Parameter: attr_displayname

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the DISPLAYNAME attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value:

displayname (for Oracle Internet Directory)

" " (for LDAP directory servers)

### Specifying the LDAP Attribute for Alternate Home Phone Number

Parameter: attr_homephone2

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the HOMEPHONE2 attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: None

### Specifying the LDAP Attribute for Manager

Parameter: attr_managerdn

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for a user's managerdn attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value:

manager (for Oracle Internet Directory)

" " (for LDAP directory servers)

### Specifying the LDAP Attribute for Notes

Parameter: attr_notes

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the notes attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: None

### Specifying the LDAP Attribute for Business Address: Street

Parameter: attr_officeaddress

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the OFFICE-ADDRESS attribute (street name and address).

**See Also:**

`[LDAP]attr_officecity` in Specifying the LDAP Attribute for Business Address: City

`[LDAP]attr_officepostalcode` in Specifying the LDAP Attribute for Business Address: Postal Code

`[LDAP]attr_officestate` in Specifying the LDAP Attribute for Business Address: State

`[LDAP]attr_country` in the *Oracle Calendar Reference Manual*

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: `street`

### Specifying the LDAP Attribute for Business Address: City

Parameter: `attr_officecity`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the `OFFICE-CITY` attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: `l` (lowercase L)

### Specifying the LDAP Attribute for Business Address: Building

Parameter: `attr_officename`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the `OFFICE-BUILDING` attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: `physicalDeliveryOfficeName`

### Specifying the LDAP Attribute for Business Address: Postal Code

Parameter: `attr_officepostalcode`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the `OFFICE-POSTALCODE` attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: `postalcode`

### Specifying the LDAP Attribute for Business Address: State

Parameter: `attr_officestate`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the OFFICE-STATE attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: st

### Specifying the LDAP Attribute for Pager

Parameter: attr_pager

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the PAGER attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: pager

### Specifying the LDAP Attribute for Alternate Business Phone

Parameter: attr_phone2

Section: [LDAP]

Description: Specifies the attribute name that the LDAP directory server uses for the secondary business telephone number "PHONE2" attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: None

## 5.4.2 Updated Parameters in the unison.ini File

This section contains a list of updated parameters and their descriptions.

***Table 5–2 Parameters updated in release 9.0.4.2***

| Section | Parameter | Description | Changes made |
|---|---|---|---|
| [CWS] | mailhdrtoname | Enabling Name Display in E-Mail Headers | The description has been modified. |
| | noreqsleep | Setting CWS Waiting Time | The description has been modified. |
| | noreqsleep_ replication | Setting CWS Waiting Time for Replication Requests | The description has been modified. |
| | smsnotifymsgf ile | N/A | This parameter has been obsoleted. |
| [DAS] | dir_ connection | N/A | This parameter has been obsoleted. |
| [DB] | db_pages | Specifying the Number of Pages for the Database Cache | The default value has been changed from 8 to 24. |
| [ENCRYPTIO N] | default | Specifying the Default Encryption Method | The default value has been changed from none to cs-light. |

*Table 5–2 (Cont.) Parameters updated in release 9.0.4.2*

| Section | Parameter | Description | Changes made |
|---|---|---|---|
| [ENG] | allowresourceconflict | Allowing Resource Conflicts | The description has been modified. |
| | gal_refreshinterval | Refreshing the Global Address List | The default value has been changed from 7200 to 21600. |
| | itemextinfomaxsize | Storing Web Client Preferences | This parameter is now published. |
| | sss_cachesize | Specifying the Size of the Server-Side Security Records Cache | The default value has been changed from 101 to maxsession * 100. |
| | sss_cacheexpiredelay | N/A | This parameter has been renamed to sss_expiredelay. |
| | sss_expiredelay | Specifying the Expiry Delay for the Server-Side Security Records Cache | This parameter has been renamed from sss_cacheexpiredelay. |
| [LDAP] | attr_address | Specifying the LDAP Attribute for User Address | The description has been modified. |
| | attr_employeeid | Specifying the LDAP Attribute for Employee ID | The default value has been changed from None to +++. |
| | attr_fax | Specifying the LDAP Attribute for Fax Number | This parameter is now published. |
| | attr_homephone | Specifying the LDAP Attribute for Home Phone Number | This parameter is now published. |
| | attr_initials | Specifying the LDAP Attribute for User Initials | The default value has been changed from initials to middlename. |
| | attr_jobtitle | Specifying the LDAP Attribute for Job Title | This parameter is now published. |
| | attr_orgunit1 | Specifying the LDAP Attribute for Organizational Unit | This parameter is now published. |
| | attr_phone | Specifying the LDAP Attribute for Business Phone Number | This parameter is now published. |
| | attr_timezone | Specifying the LDAP Attribute for Time Zone | This parameter is now published. |
| | usealtexclusionfilter | N/A | This parameter has been obsoleted. |
| LIMITS | autocontrol | Specifying the Minimum Interval for Checks for New Agenda Entries | There was an error in the documentation of this parameter. |

*Table 5–2 (Cont.) Parameters updated in release 9.0.4.2*

| Section | Parameter | Description | Changes made |
|---|---|---|---|
| | resourceconflicts | Allowing Resource Double-Booking | The description has been modified. |
| | userlist_login | Enabling Browsing at Login | The default value was changed from TRUE to FALSE. |
| UTL | ca_maxsearchresult | Limiting the Number of Search Results | The default value has been changed from 100 to 200. |

### Enabling Name Display in E-Mail Headers

Parameter: mailhdrtoname

Section: [CWS]

Description: Determines whether or not to include names along with addresses in the e-mail address fields ("From:", "To:" and "Reply-To") of the mail header. While addresses are constructed using ASCII characters (and hence present no display problem for mail readers), names may contain non-ASCII characters. In cases where the mail reader is unable to display the non-ASCII characters properly, remove the names from the address field altogether.

Accepted values:

TRUE (Include names)

FALSE (Do not include names)

Default value: TRUE

### Setting CWS Waiting Time

Parameter: noreqsleep

Section: [CWS]

Description: Specifies the number of seconds the Corporate-Wide Services daemon/service waits (sleeps) when there is no work to do. This setting affects how often certain operations, such as server-side reminders and replication, are done. A low value may slow down the uniengd but reduces any delays in processing reminders and Web conferencing replication requests.

If no replication requests remain in the CWS replication queue, the number of seconds to wait before checking for new replication requests will be the greater of noreqsleep and noreqsleep_replication.

Accepted values: A positive integer

Default value: 15

### Setting CWS Waiting Time for Replication Requests

Parameter: noreqsleep_replication

Section: [CWS]

Description: Specifies the number of seconds the Corporate-Wide Services daemon/service waits (sleeps) when there are no replication requests in the queue. This setting affects how often certain operations, such as remote user replication, are done. A low value may slow down the uniengd but reduces any delays in processing reminders and Web conferencing replication requests.

If no replication requests remain in the CWS replication queue, the number of seconds to wait before checking for new replication requests will be the greater of `noreqsleep` and `noreqsleep_replication`.

Accepted values: A positive integer

Default value: `15`

### Specifying the Number of Pages for the Database Cache

Parameter: `db_pages`

Section: `[DB]`

Description: Specifies the number of pages for the database cache. The greater the value, the greater the amount of memory used and the better the performance. As the number increases beyond a certain point, the returns on performance enhancement diminish.

Accepted values: A positive integer

Default value: `24`

### Specifying the Default Encryption Method

Parameter: `default`

Section: `[ENCRYPTION]`

Description: Specifies the default encryption method the calendar server uses for clients.

Accepted values: Any method in the list specified by the `[ENCRYPTION] supported` parameter.

Default value: `cs-light`

### Allowing Resource Conflicts

Parameter: `allowresourceconflict`

Section: `[ENG]`

Description: Specifies whether the server allows double-booking of resources. This parameter should always be set with the same value as the `[LIMITS] resourceconflicts` parameter.

If this parameter is set to `FALSE`, each resource either allows or disallows conflicts based on its `ALLOW-CONFLICT` attribute. If the `ALLOW-CONFLICT` attribute is set to `FALSE`, no conflict will be allowed.

If this parameter is set to `TRUE`, the server allows all resources to be double-booked. In this case, the `ALLOW-CONFLICT` resource attribute is ignored.

> **See Also:** `[LIMITS] resourceconflicts` in Allowing Resource Double-Booking

Accepted values:

`TRUE` (Allow double-bookings)

`FALSE` (Do not allow double-bookings)

Default value : `FALSE`

### Refreshing the Global Address List

Parameter: `gal_refreshinterval`

Section: `[ENG]`

Description: Specifies the time interval in seconds between each refresh of the Global Address List (GAL). Searches for entries in the GAL are a drain on performance and frequently done. To improve performance, the search results are cached and reused by the server.

To make sure that the cache is updated, the CWS periodically (see `[CWS] galsyncinterval`) sends requests to the server to update the result set. The result set is only rebuilt if it was invalidated (if, for example, a new node was added to the network) or if the current revision is older than the value of the parameter `gal_refreshinterval`. The parameter `[CWS] galsyncinterval` is used to configure the interval between each refresh.

Accepted values: A positive integer

Default value: `21600 (6 hours)`

### Storing Web Client Preferences

Parameter: `itemextinfomaxsize`

Section: `[ENG]`

Description: Specifies the maximum length of the `itemextinfo` attribute used by the Web client to store calendar account preferences.

Accepted values: A positive integer larger than 1500

Default value: None

### Specifying the Size of the Server-Side Security Records Cache

Parameter: `sss_cachesize`

Section: `[ENG]`

Description: Specifies the number of read access record entries in the cache. The server uses these records to determine whether a user has the right to read calendar data he does not own. This cache is used to speed up reading the security access records by the server for handling the server-side security. There is one cache per user session.

> **See Also:** `[ENG] sss_expiredelay` in Specifying the Expiry Delay for the Server-Side Security Records Cache

Accepted values:

`0` (Disables the cache)

A positive integer less than 1000003

Default value: `maxsession * 100`

### Specifying the Expiry Delay for the Server-Side Security Records Cache

Parameter: `sss_expiredelay`

Section: `[ENG]`

Description: Specifies the number of seconds an entry is kept in the cache before it expires.

**See Also:** `[ENG] sss_cachesize` in Specifying the Size of the Server-Side Security Records Cache

Accepted values: A positive integer

Default value: `900`

### Specifying the LDAP Attribute for User Address

Parameter: `attr_address`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the calendar user address attribute `LOC`.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value:

`postalAddress` (for Oracle Calendar standalone)

`homePostalAddress` (for Oracle Collaboration Suite)

### Specifying the LDAP Attribute for Employee ID

Parameter: `attr_employeeid`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the "`EMPL-ID`" attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: `employeenumber`

### Specifying the LDAP Attribute for Fax Number

Parameter: `attr_fax`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the `FAX` attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: `facsimileTelephoneNumber`

### Specifying the LDAP Attribute for Home Phone Number

Parameter: `attr_homephone`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the `HOMEPHONE` attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: None

### Specifying the LDAP Attribute for User Initials

Parameter: `attr_initials`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the initials "`I`" attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: `middlename`

### Specifying the LDAP Attribute for Job Title

Parameter: `attr_jobtitle`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the job title "`jt`" attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: None

### Specifying the LDAP Attribute for Organizational Unit

Parameter: `attr_orgunit1`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the `OU1` attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: `ou`

### Specifying the LDAP Attribute for Business Phone Number

Parameter: `attr_phone`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the business telephone number "`PHONE`" attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: `phone`

### Specifying the LDAP Attribute for Time Zone

Parameter: `attr_timezone`

Section: `[LDAP]`

Description: Specifies the attribute name that the LDAP directory server uses for the time zone attribute.

Accepted values: Any attribute name defined in the LDAP directory server schema. If "" is used, this attribute will not be read nor written.

Default value: None

### Specifying the Minimum Interval for Checks for New Agenda Entries

Parameter: `autocontrol`

Section: `[LIMITS]`

Description: Specifies the minimum number of minutes that a user can set as the interval between agenda refresh calls to the server (that is, between each check for new agenda entries).

If this value is less than `[ENG]maxsessions/60`, the value of `[ENG]maxsessions/60` takes precedence, to a maximum value of 45. For example, if `autocontrol = 15` and `[ENG]maxsessions = 1200`, no refresh occurs before 20 (i.e. 1200/60) minutes has elapsed.

> **See Also:** `[ENG]maxsessions`, `[CLIENT]minrefreshrate` in the *Oracle Calendar Reference Manual*

Accepted values: Any positive integer up to the value of ($2^{16}$-1)

Default value: `15`

### Allowing Resource Double-Booking

Parameter: `resourceconflicts`

Section: `[LIMITS]`

Description: Specifies whether the client allows users to double-book resources. In release 5.4 and older where resource conflicts is a server wide setting, this parameter should always be set with the same value as the `[ENG] allowresourceconflict` parameter. This applies to the Oracle Calendar Desktop clients and the Oracle Calendar Web client.

If a per-resource conflict option is required and older clients are in use, set this parameter to `TRUE` so that the clients allow the double-booking but the server blocks it if the resource does not allow conflicts. This allows for per-resource configuration, however, the older clients may not gracefully handle the errors returned by the server enforcement.

> **See Also:** `[ENG] allowresourceconflict` in Allowing Resource Conflicts

Accepted values:

`TRUE` (Allow double-bookings)

`FALSE` (Do not allow double-bookings)

Default value: `TRUE`

### Enabling Browsing at Login

Parameter: `userlist_login`

Section: `[LIMITS]`

Description: Specifies whether or not to show a list of matching users when more than one fits the specified sign-in credentials.

Accepted values:

`TRUE` (Displays the list of matching users)

`FALSE` (Do not display the list)

Default value: `FALSE`

### Limiting the Number of Search Results

Parameter: `ca_maxsearchresult`

Section: `[UTL]`

Description: Specifies the maximum number of entries (users, resources and event calendars) that the LDAP directory will return to the Calendar Administrator that made a search request. This parameter applies only to the Calendar Administrator.

This parameter can be set to a higher value than the `[LIMITS] maxsearchresult` parameter because much fewer users will be using the Calendar Administrator.

> **See Also:** `[LIMITS] maxsearchresult` in the *Oracle Calendar Reference Manual*

Accepted values: Any positive integer up to the value of ($2^{32}$-1)

Default value: `200` (List only 200 entries at a time)

## 5.5 New Features in Oracle Email

This section includes the following topics:

- "Oracle Webmail Spell Checker"
- "New Shared Folder Listing Behavior"
- "New Oracle Email Migration Tool Features"

### Oracle Webmail Spell Checker

A spell checker has been added to the Oracle Webmail client. The spell checker offers standard spell checking features for composing new e-mail messages, and is available on the e-mail message composition page. It currently supports spell checking for the following languages:

- Brazilian Portuguese
- Danish
- Dutch
- English
- Finnish
- French
- German
- Italian
- Norwegian
- Portuguese
- Spanish

- Swedish

### New Shared Folder Listing Behavior

- By default, shared folders are not displayed in the **Folder** drop-down boxes
- Shared folders become available when the user explicitly selects the **Shared** tab of the **All Folders** list

### New Oracle Email Migration Tool Features

The Oracle Email Migration Tool is certified to run with Microsoft Exchange 2000 server and the Microsoft Outlook 2000 client.

---

**Note:** When using the Microsoft Exchange 2000 plug-in, ensure that the name of the Exchange MAPI profile provided in the plug-in configuration file (`esmigration.config`) is the same as the username of the mailbox with Active Directory and Exchange server administration permissions that is entered in the Migration Wizard screens. For example, if the e-mail address of the administrator is `admin@example.com`, the MAPI profile used for migration must be named `admin`.

---

## 5.6 New Features in Oracle Files

The following new features for Oracle Files are included in this patch set:

- "Using Oracle Files with an Upgraded Oracle Database 10g"
- "Using Oracle Files with a New Oracle 10g Database"
- "Enhancements to User Lookup"
- "Enable/Disable Workspace Creation Feature"
- "OmniPortlet Support"

### Using Oracle Files with an Upgraded Oracle Database 10*g*

This section discusses upgrading your information storage database to Oracle Database 10g and post-upgrade steps pertaining to existing installations of Oracle Files.

#### Upgrading the Information Storage Database to Oracle Database 10*g*

Upgrade the information storage database, as follows:

1. Stop all Oracle Files processes on all the middle tiers.
2. Upgrade the information storage database to Oracle Database 10g.
3. Install the Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1) to all the middle tiers and the infrastructure, as described in Chapter 2, "Installing the Patch Set".

---

**Note:** There is no need to apply the patchset on the information storage database since you have upgraded it to Oracle Database 10g.

---

4. Perform the Oracle Files postinstallation tasks as specified in Section 3.5 on page 3-7.

> **Note:** Steps 5 and 6 in the following procedure require a `tnsnames` entry in `tnsnames.ora`.

5. From the Oracle Files middle tier computer, connect to Oracle Database 10g as the user who owns the Oracle Files schema (for example, `IFSSYS`) and execute the following commands:

```
cd %ORACLE_HOME%\ifs\files\admin\sql
sqlplus files_schema/schema_password@tnsnames_entry
@Upgrade9iTo10g_part1.sql files_schema
```

6. Connect to Oracle Database 10g as the `SYS` user and execute the following commands:

```
sqlplus 'sys/sys_password@tnsnames_entry as sysdba'
@Upgrade9iTo10g_part2.sql files_schema
```

7. Restart all necessary Oracle Files processes.

### Using Oracle Files with a New Oracle 10*g* Database

Follow these steps if you have a new Oracle Files installation and you want to use Oracle Database 10g for your information storage database:

1. Install Oracle Database 10*g* from the Oracle Database 10*g* CD pack.
2. Ensure that the following database parameters are set on the computer on which the Oracle Database 10*g* server is installed:

***Table 5–3 Required Database Parameters***

| Parameter Name | Minimum Value |
|---|---|
| `aq_tm_processes` | 1 |
| `java_pool_size` | 30 MB |
| `job_queue_processes` | 10 |
| `open_cursors` | 300 |
| `processes` | 100 |
| `session_max_open_files` | 50 |
| `shared_pool_size` | 50 MB (52428800 bytes) |

The values listed in Table 5–3 are minimum values for these parameters. You may want to increase these values as appropriate for your deployment.

3. On the computer on which the Oracle Database 10*g* server is installed, restart the database and the database listener.
4. Install the Oracle Collaboration Suite Release 9.0.4.1.1 middle tier.
5. Do not select the Oracle Files components for configuration during installation of the middle tier.

   If the Oracle Files configuration assistant appears, click **Cancel**.

6. Apply Oracle Collaboration Suite Release 2 Patch Set 1 (9.0.4.2.1).
7. Configure Oracle Files by executing `ifsca` from the following location:

   ```
   %ORACLE_HOME%\ifs\files\bin
   ```

   For configuration instructions, see the *Oracle Collaboration Suite Installation and Configuration Guide Release 2 (9.0.4.1.1)*.

### Enhancements to User Lookup

The User Lookup feature has been enhanced to allow searching for users by **User ID**, **First Name**, **Last Name**, or **Email Address**. Previously, only searching by **User ID** was allowed.

### Enable/Disable Workspace Creation Feature

New for this release, the Subscriber Administrator can enable or disable workspace creation for the users in their Subscriber. If workspace creation is enabled, users in the Subscriber can create their own workspaces. If workspace creation is disabled, users in the Subscriber cannot create their own workspaces, and only the Subscriber Administrator can create workspaces. Users may, however, still request to join existing listed workspaces.

> **See Also:** "Default Workspace Creation Settings" in the Oracle Files Subscriber Administrator help for information about how to use this feature

### OmniPortlet Support

New for this release, Oracle Files provides support for and integration with the OmniPortlet, a feature of Oracle Application Server Portal (OracleAS Portal).

The following sections provide instructions on how to set up Oracle Files for the OmniPortlet:

- "Installing Oracle Application Server Portal Developer Kit (OracleAS PDK)"
- "Deploying the Files Searchlet"
- "Configuring the Files Searchlet"
- "Registering the Files Searchlet in the OmniPortlet Framework"
- "Configuring and Verifying the Search Web Service User"
- "Registering and Configuring the OmniPortlet"

#### Installing Oracle Application Server Portal Developer Kit (OracleAS PDK)

You can install OracleAS PDK on the Oracle Files middle tier computer, or on another computer. For information about system requirements, see the OracleAS PDK 9.0.4.0.2 Release Notes, available from

`http://portalstudio.oracle.com`

To install and configure OracleAS PDK, follow these steps:

1. Create a directory (for example, `OracleAS_PDK`) where you want to install OracleAS PDK.
2. From a Web browser, access `http://portalstudio.oracle.com`.

3. Download OracleAS PDK Release 9.0.4.0.2 to the directory you created in Step 1, by choosing the **Download pre-configured standalone OC4J with PDK** install option from the PDK Downloads page.
4. Unzip the downloaded files to install the Oracle Application Server Portal Developer Kit.

   **See Also:**

   http://updates.oracle.com/unzips/unzips.html for information about obtaining the UnZip utility

5. Download and install JDK 1.4.1 on this computer, if it is not there already. OracleAS PDK requires JDK 1.4.1.
6. Set the JAVA_HOME environment variable to point to JDK 1.4.1.
7. Add the JAVA_HOME\bin directory to the PATH environment variable.

### Deploying the Files Searchlet

This section describes how to deploy the Files Searchlet. In the following instructions, *oc4j_home* refers to *unzipped_directory*\j2ee\home; for example, OracleAS_PDK\j2ee\home.

To deploy the Files Searchlet:

1. Create a directory called FilesSearchlet under the following directory:

   *oc4j_home*\connectors

2. Copy the file files_searchlet.rar into the FilesSearchlet directory you just created. The files_searchlet.rar file is located on the Oracle Files middle-tier computer in the following directory:

   %ORACLE_HOME%\ifs\files\lib

3. Navigate to the *oc4j_home*\config directory and open the file oc4j-connectors.xml for editing.
4. Add a <connector> tag for the Files Searchlet by adding the following lines to the <OC4J-connectors> section:

   ```
   <connector name="FilesSearchlet" path="files_searchlet.rar">
   </connector>
   ```

   The relevant portion of the edited file should look like the following:

   ```
   <oc4j-connectors>
   <connector name="FilesSearchlet" path="files_searchlet.rar">
   </connector>
   </oc4j-connectors>
   ```

5. Save the file.
6. Start the OC4J instance using the startup script located in *unzipped_directory*\bin; for example, OracleAS_PDK\bin:

   ```
   cd unzipped_directory\bin
   startup
   ```

   The files_searchlet.rar file is expanded under the directory *oc4j_home*\connectors\FilesSearchlet.

### Configuring the Files Searchlet

This section describes how to configure the Files Searchlet. In the following instructions, *oc4j_home* refers to *unzipped_directory*\j2ee\home; for example, OracleAS_PDK\j2ee\home.

To configure the Files Searchlet:

1. Navigate to the *oc4j_home*\application-deployments\default\FilesSearchlet directory.
2. Open the oc4j-ra.xml file for editing.
3. Specify the JNDI name for the Files Searchlet by setting the location in the <connector-factory> tag, as follows:

   ```
   <connector-factory location="eis\FilesSearchlet" connector-name="Files
   Search Adapter">
   ```

4. Set the value for the Search Web Service URL, as follows:

   ```
   <config-property name="webServiceURL" value="http://files_host_
   name:port/files/SearchServer"/>
   ```

   For example:

   ```
   <config-property name="webServiceURL" value="http://myhost.mycompany.
   com:7777/files/SearchServer"/>
   ```

5. Create a Search Web Service user, password, and realm, as follows:

   ```
   <config-property name="SearchUser" value="user_name"/>
   <config-property name="SearchUserPassword" value="password"/>
   <config-property name="SearchUserRealm" value="files"/>
   ```

   You must provide a value for *password*. Do not specify an empty string.

   Note the values you provided for *user_name* and *password*. You will need these values when you follow the instructions for configuring the Search Web Service user in "Configuring and Verifying the Search Web Service User".

6. Save the file.
7. To verify that files is the correct value for the realm, use a Web browser to access the Search Web Service URL:

   ```
   http://files_host_name:port/files/SearchServer
   ```

   For example:

   ```
   http://myhost.mycompany.com:7777/files/SearchServer
   ```

   If the Files Searchlet is configured correctly, the realm value displayed in the basic authentication dialog box should be files. Cancel the authentication dialog after verifying the realm.

8. Shut down and restart the OC4J instance using the shutdown and startup scripts located *unzipped_directory*/bin; for example, OracleAS_PDK/bin:

   ```
   cd unzipped_directory/bin
   shutdown.bat
   startup.bat
   ```

> **Note:** Due to a known issue in OracleAS PDK, it generates an error message when stopped. Disregard the error message and continue with the configuration process.

### Registering the Files Searchlet in the OmniPortlet Framework

This section describes how to register the Files Searchlet in the OmniPortlet framework. In the following instructions, *oc4j_home* refers to *unzipped_directory*\j2ee\home; for example, OracleAS_PDK\j2ee\home.

To register the Files Searchlet:

1. Create a directory called `Files` under the following directory:

   ```
   oc4j_home\applications\portalTools\omniPortlet\WEB-INF\plugins
   \datasources
   ```

2. Navigate to the new folder.
3. Create a Datasource Descriptor file (`datasource.xml`) with the following content:

   > **Note:** If you cut and paste the text directly from this document, remove the extra carriage return and any extra spaces between `oracle.webdb.reformlet.data.search` and `.SearchDataSourceDefinition`. Otherwise, the Datasource Descriptor file will not work.

   ```
   <datasources>
   <datasource class="oracle.webdb.reformlet.api.plugin.DefaultDataSource">
   <name>Files</name>
   <displayName>Files</displayName>
   <icon>webpage.gif</icon>
   <metadata class="oracle.webdb.reformlet.data.search
   .SearchDataSourceDefinition">
   <name>Files</name>
   <displayName>Files</displayName>
   <contentDataSourceJndiName>eis/FilesSearchlet</contentDataSourceJndiName>
   </metadata>
   </datasource>
   </datasources>
   ```

4. Shut down and restart the OC4J instance using the shutdown and startup scripts located *unzipped_directory*\bin; for example, OracleAS_PDK\bin:

   ```
   cd unzipped_directory/bin
   shutdown.bat
   startup.bat
   ```

### Configuring and Verifying the Search Web Service User

The Search Web Service requires that a Search Web Service user be defined in OC4J. The Search Web Service user is used only to control access to the Search Web Service and is separate from other Oracle Files users.

The Files Searchlet needs to be configured with the Search Web Service user name and password in order to access the Search Web Service.

To configure the Search Web Service user:

1. Using a Web browser, access the Oracle Enterprise Manager Web site at `http://host_name:port`, where *host_name* is the name of the Oracle Files middle-tier computer. The port is typically 1810.
2. Enter the authentication information in the pop-up window. The user name is typically `ias_admin`.
3. Click the name of the application server instance where Oracle Files is running. The Oracle Application Server 10*g* (9.0.4) home page appears.
4. Click the name of the Oracle Files OC4J instance (**OC4J_iFS_files**).
5. Click the **files** link in the **Application** list.
6. Click the **Security** link in the **Security** section.
7. Click **Add User**.
8. Provide information for the Search Web Service user. Make sure to use the same user name and password you provided in the `oc4j-ra.xml` file in "Configuring the Files Searchlet".
9. Click **OK** on the Add User page.
10. In the Security Roles section, select the **SearchServerRole**.
11. Click **Map Role to Principals**.
12. In the Map Role to User section, select the new user you just added and click **Apply**.
13. Click **OK** on the Confirmation page.
14. Return to the Oracle Application Server 10*g* (9.0.4) home page.
15. Select **OC4J_iFS_files** and click **Restart**.
16. To make sure that the user was configured properly, access the Search Web Service URL using a Web browser:

    ```
    http://files_host_name:port/files/SearchServer
    ```

    For example:

    ```
    http://myhost.mycompany.com:7777/files/SearchServer
    ```

17. In the login dialog, enter the Search Web Service user name and password.

    If the Search Web Service user has been configured properly, the SearchServer responds with the following:

    ```
    SearchServer Web Service
    Sorry, I don't speak via HTTP GET - you have to use HTTP POST to talk to
    me.
    Servlet Path: /SearchServer
    QueryString Info: null
    ```

### Registering and Configuring the OmniPortlet

You must register and configure the OmniPortlet in OracleAS Portal. The registration steps may vary slightly, depending on which version of OracleAS Portal you are using.

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**Note:** The version of Portal that was shipped with Oracle Collaboration Suite Release 2 is known as Oracle9*i*AS Portal.

---

To register the OmniPortlet:

1. Using a Web browser, access OracleAS Portal at `http://host_name:port/pls/portal`, where *host_name* is the name of the middle-tier computer where OracleAS Portal resides.
2. Click **Login**. The Single Sign-On page appears.
3. Provide the credentials of an OracleAS Portal user with administrative permissions and click **Login**.
4. Click the **Builder** icon.
5. In the Providers portlet, click **Register a Portlet Provider**. The Registration Wizard appears.

   By default, the Providers portlet should appear on this page. If it is not visible, choose **Customize**, then click the **Add Portlets** icon in order to add the portlet. The Providers portlet can be found under the **Administration Portlets** link.

   In the Providers portlet, click **Register a Portlet Provider**. The Registration Wizard appears.
6. On the Register Provider page, enter the following values and click **Next**.
   - **Name:** OmniPortlet
   - **Display Name:** OmniPortlet Provider
   - **Timeout:** 200 seconds
   - **Timeout Message:** OmniPortlet provider timed out.
   - **Implementation Style:** Web
7. On the Define Connection page, provide the following values and click **Next**.
   - **URL:** `http://server_name:port/portalTools/omniPortlet/providers/omniPortlet`

     Where *server_name* is the name of the machine where OracleAS PDK is installed. The value for *port* is typically 8888.
   - Select **The user has the same identity in the Web providers application as in the Single Sign-On identity**
   - Under User/Session Information, select **User**
   - For **Login Frequency**, select **Never**
   - If no proxy is required to contact the Provider Adapter, select **No** for **Require Proxy**

   You can leave the other options blank.
8. On the Control Access page, add any users or groups to whom you want to give access.

   This option may not appear, depending on which version of OracleAS Portal you are using. By default, only the user who registered the provider is authorized to see the provider and its portlets. After you register the portlet, navigate to the provider within the Portlet Repository to update provider privileges.
9. Click **Finish**.

After you have registered the OmniPortlet, you must configure it by choosing search criteria and deciding which fields to display.

To configure the OmniPortlet:

1. Create a page in OracleAS Portal. To do this, click **Create Page** from the OracleAS Portal home page and follow the Wizard instructions.
2. From your new page, click the **Add Portlet** icon and navigate to the OmniPortlet you registered. Then, select the portlet and click **OK**.
3. Click **Define**. The Type page appears.
4. Select **Files** and click **Next**.
5. On the Source page, click **Next**.
6. On the Filter page, provide search criteria for the OmniPortlet.
7. On the View page, click **Next**.
8. On the Layout page, enter the fields you want the OmniPortlet to return.

> **Note:** If you select **Size** as one of the columns, the search will only return documents. Folders will not be returned.

9. Click **Finish**.

Be aware of the following two issues when using the OmniPortlet:

- If your OracleAS Portal instance uses a different Oracle Internet Directory than Oracle Files, you may experience authentication issues. To avoid these problems, ensure that the user information between the two Oracle Internet Directory instances is kept in sync.
- When you click a folder link within the OmniPortlet, you may be asked to re-authenticate. This behavior does not appear if you click on a document link.

## 5.7 New Features in Oracle Voicemail & Fax

The following new features have been added to Oracle Voicemail & Fax:


- "Oracle Voicemail & Fax Playback Controls"
- "Additional Language Support"


### Oracle Voicemail & Fax Playback Controls

The following default playback controls have been added to Oracle Voicemail & Fax, accessible using the telephone keypad while listening to voice mail messages:

- **1**: Increase playback volume
- **2**: Increase message playback speed
- **3**: Skip ahead 5 seconds
- **4**: Decrease playback volume
- **5**: Decrease message playback speed
- **6**: Jump back 5 seconds
- **7**: Delete message
- **8**: Pause playback
- **9**: Skip to end of message

- **0**: Resume playback

### Additional Language Support

Support for the following languages has been added to Oracle Voicemail & Fax:

Czech
Hungarian
Romanian
Russian

## 5.8 New Features in Oracle Web Conferencing

The following new features for Oracle Web Conferencing are included in this release:


- "Web Conferencing Application"
- "Web Conferencing Console"
- "Oracle Web Conferencing System Services"
- "Oracle Web Conferencing Integration Services"


### Web Conferencing Application

- Users can now manually download the Web console tool from the New User page. The console window does not require the user to have administrator rights to his system in order to run a conference.
- The Web conferencing system can handle numerous users simultaneously entering a conference; if the system receives more requests than it can handle, a message will let the user know how many seconds it will take before he enters the conference
- System administrators can now customize several features of the Web conferencing interface for their company or for particular Web conferencing sites within their company. Administrators can:
  - Change the introductory text on the Welcome page that appears as users log into Oracle Web Conferencing
  - Add to the Quick Links that appear on the Oracle Web Conferencing home page both before and after a user logs in
  - Add up to five custom fields to the Conference Details dialog that appears as users join a conference at a particular site
- System administrators can now control system- and site-level conference properties. Administrators can:
  - Set the available conference modes (Cobrowse, Desktop Sharing, Whiteboard, or Document Presentation)
  - Set the default conference mode
  - Set the ability to make a conference public
  - Require a conference to use SSL security levels (when SSL security has been set off by default)
  - Set the ability to use Chat or Shared Control within a conference
- New recordings showing how to use Web conferencing are available from the Quick Links area

- When a user chooses **Test** from the New User pages, the diagnostics now analyze complete system compatibility, the ability to install the Web conferencing console, and the connection to the Oracle Web Conferencing server
- Users can now delete or update details of conferences they have scheduled, using the new **Update** and **Delete** icons on the conference listing

### Web Conferencing Console

- The flow of events as users start a conference has been enhanced to be more user-friendly, especially for new hosts. As a host enters a conference, a conference details page appears confirming conference details such as the conference ID and any dial-in numbers. The console is now loaded with both of the upper toolbars and the tip text visible by default. The default mode is now set to desktop sharing, so a host automatically shares his desktop at the beginning of a conference.
- The host can invite an attendee to present content from his desktop.
- Users running Netscape 4.75 and above may now join conferences and start instant conferences from the Oracle Web Conferencing main page. You must have Java enabled (from the **Edit** menu, select **Preferences**, then select **Advanced**) to join and start conferences with Netscape. You must use Internet Explorer 5.5, or above, to use the Cobrowse, Document Presentation, and Voice conference features, to host a scheduled conference, or to use other features from the Oracle Web Conferencing main page, such as the **Materials** and **Archives** tabs.
- When the host sets **View attendee list** off in Preferences, the alert windows that normally appear as attendees enter a conference are now suppressed
- System administrators can restrict the ability to record voice data during a conference at both system and site levels

### Oracle Web Conferencing System Services

- Under the **System** tab, system administrators can now see a hierarchical view of all of the Oracle Web Conferencing components, and expand or collapse the details displayed about each component. For example, an administrator can display details about a particular Oracle Web Conferencing instance, such as what properties are set for it or what conferences are running on it. If any component is down, the hierarchical view is automatically expanded to display the faulty component. Each component's availability is shown with a status icon (for example, a green check appears when a component is available).
- From the **Reports** tab, the **Diagnostics** link on each Conference Detail page now shows events and error incidents. Administrators can view all events or only errors, and can view events and errors by attendee or by type of event (event description).
- The **Attendees** table under **Reports** now shows additional details for attendees that were previously available only in log files
- Host rating and conference status columns can now be used to sort reports under the **Reports** tab
- User information in the Oracle Internet Directory can be uploaded in bulk to the Oracle Web Conferencing system
- User information in the Oracle Web Conferencing system is automatically synchronized with Oracle Internet Directory

### Oracle Web Conferencing Integration Services

- A new API lets you add **Live Help** links to any Web page, to start a Web conference for use in providing real-time help to customers for any application
- New APIs let you access detailed conference information and attendee lists so you can include this data in reports and Web pages
- New APIs let you display the lists of upcoming conferences and public conferences in any Web page
- E-mail invitations for conferences scheduled through an integrated application will display the conference time in the conference host's preferred time zone

## 5.9 New Features in Oracle9*i*AS Wireless

### Over the Air Device Provisioning (OTA)

OTA is a newly supported feature in this patch set. It can be enabled or disabled by editing the `system.properties` file. By default, the feature is disabled.

Enable OTA and configure the required carrier and device information, as follows:

1. Use a text editor to modify the `system.properties` file located in the `%ORACLE_HOME%\wireless\server\classes\oracle\panama\core\admin` directory. Set the value of `useOTA` to `true`.
2. Modify the `carriers.xml` and `devices.xml` files located in the `%ORACLE_HOM%\j2ee\OC4J_Portal\applications\marconi\marconi-web\WEB-INF` directory to configure the information for carriers and devices according to the examples contained in each `xml` file.
3. Modify the default values for the following settings in the `owi.properties` file:

```
bookmarks
MMSC
email
syncML
WAP
```

> **Note:** The `bookmarks` setting has two default values: **Google** and **Yahoo!**. For OTA provisioning, you must change both the `bookmarks` setting name and URL values to those for Oracle Collaboration Suite.
>
> If you want only one bookmark, you must comment out both the `bookmark.1.name` and `bookmark.1.URL` values (which are used for the Yahoo! bookmark).
>
> Online Help for the OTA feature is not included in this release; it will be included in the next release.

4. Restart the middle tier to apply the changes.

# 6

# Bugs Fixed in This Release

This chapter lists bugs fixed by this patch set according to component.

This chapter includes the following topics:



## 6.1 Oracle Collaboration Suite Bugs

This section includes the following tables:

- Table 6–1, " Fixed Oracle Collaboration Suite Web Client Bugs"

***Table 6–1 Fixed Oracle Collaboration Suite Web Client Bugs***

| Bug Number | Description | Fixed since Release 9.0.4.1.1 |
|---|---|---|
| 3088720 | Oracle Collaboration Suite portal icons have hardcoded HTTP:// - fails in HTTPS/BIGIP CONFIGS | 9.0.4.2.1 |
| 3104307 | Oracle Calendar portlet name not translated into some languages | 9.0.4.2.1 |
| 3287211 | Web client portlet headings in english (HU) | 9.0.4.2.1 |
| 3432768 | Help page font is too small to view | 9.0.4.2.1 |
| 3074308 | Web client installer fails in upgrade scenario | 9.0.4.1.10 |

## 6.2 Oracle Calendar Bugs

This section includes the following tables:

- Table 6–2, " Fixed Oracle Calendar Server Bugs"
- Table 6–3, " Fixed Oracle Calendar Administrator Bugs"
- Table 6–4, " Fixed Oracle Calendar Web Client Bugs"

***Table 6–2 Fixed Oracle Calendar Server Bugs***

| Bug Number | Description |
|---|---|
| 2775180 | The unicp utility was not properly handling Korean characters |
| 2917218 | The SNC did not relocate field descriptors beyond 255 characters |
| 2932817 | Remote users were able to double-book resources when using the Oracle Connector for Outlook or Web clients |
| 2935483 | The "View/Reply" rights of a designate were not enforced by the server |
| 2936962 | The installation path for the Calendar server could not contain any directory names longer than 12 characters |
| 2957174 | Corruption of streams by the unirestore utility is now fixed |
| 2960191 | Importing recurring events with uniical would not work |
| 2972944 | Mail notifications for deleted Web conferences would get stuck in the message queue and never be sent |
| 2973716 | Users with sufficient administrative rights could not see Administrative groups on remote nodes |
| 2977406, 2977402 | The uniical and unigroup utilities were updated to handle scalability issues with regards to the handling of large agendas and large numbers of groups |
| 2981176 | An error was not returned when external attendees were invited to a recurring, Restricted Web conference via Oracle Connector for Outlook |
| 2998730 | The unistatus -cws command did not display Web conferencing statistics |
| 3000788 | Standalone only: It was not possible to successfully run the uniuser -add command if the frameworkenable parameter was set to FALSE |

*Table 6–2 (Cont.) Fixed Oracle Calendar Server Bugs*

| Bug Number | Description |
|---|---|
| 3011614, 3026549, 3047800, 3126178, 3246830 | Excessive error logging has been cleaned up |
| 3016455 | Reserved characters sent to the directory server during search requests were not escaped |
| 3018310 | Occasionally, trying to stop the server would not work, and a message would be returned saying that unidbfix was running, even though it was not |
| 3026377 | Errors would result when trying to do unistop -cws when Web conferencing configuration was not properly set |
| 3037528 | The Calendar server would not run under a UNIX user or group with more than 8 characters in their user ID |
| 3038979 | The ENG becomes unstable after millions of connections to the same listener |
| 3039955, 3039939 | Under heavy load conditions you could have experienced connection refused and database timeout errors |
| 3048110 | It was not possible to determine the time zone preferences of a remote user |
| 3052252 | The UNIX man pages for the Calendar server utilities have been updated |
| 3052281 | The unistrconv utility truncates some characters while converting |
| 3053991 | After upgrading, sticky notes that were created before the upgrade using Oracle Connector for Outlook could not be modified |
| 3054392 | If a user specified that e-mail reminders be sent to their alternate e-mail address but that address has not been set, the CWS attempted to generate e-mail with no recipients. Now e-mail reminders will be sent to the primary address if the alternate e-mail address is left blank. |
| 3056419 | Standalone only: Old password validation was not done when users changed their passwords via the desktop clients |
| 3073806 | Standalone only: Using Kerberos allowed user to have administrative rights without proper server configuration in unison.ini to allow this |
| 3080056 | If ownership of an event was transferred to another user on the local host, the change was not reflected on remote hosts |
| 3089651 | You could not use the Calendar Administrator to restart a calendar node that was stopped with the Calendar Administrator |
| 3092406 | Standalone only: Newly created groups in LDAP would not show up in searches for all public groups |

*Table 6–2 (Cont.) Fixed Oracle Calendar Server Bugs*

| Bug Number | Description |
|---|---|
| 3096324 | The authentication of user logins through the Web Authentication plug-in has been updated to allow logins with longer multi-byte user IDs |
| 3098929 | After upgrading, the unidbconv utility would not attach the resource name to the end of the UID of the resource. This fix will not work, however, if the server has already been upgraded to release 9.0.4.1. |
| 3104747 | Deleting a replication request from the original node would fail to be processed |
| 3111377 | Solaris only: The unistatus -e command would return an exit code of 30 instead of 31 when Oracle Delegated Administration Services was stopped |
| 3121854 | Duplicating an event while logged in as an Event calendar designate caused unexpected behavior in the calendar server |
| 3130957 | CWS no longer generates extra alert requests for recurring meetings created with Oracle Connector for Outlook |
| 3136525 | When users were added from a directory server their default language setting was not populated |
| 3171835 | The uniuser -ls command wouldn't display the value of the user's Enable attribute |
| 3171954 | The stats.log file could become corrupted if multiple clients disconnected simultaneously |
| 3178955 | CAL_MNClusterXItemIdGetForUserId would return UNIAPI_NOTSUPPORTED_ERR |
| 3178955 | AUT_GSSAPI did not export AUT_EXCHANGEINFO, which is required for CAL_WHEREAMI |
| 3228288 | Standalone only: SSL libraries were not shipped |
| 3240773 | Linux only: Temporary server files were being removed by the operating system while they were still needed |
| 3243718 | The maximum number of sessions limit was not enforced |
| 3249707 | Read/write permissions for message queues were set for everybody not just the instance owner |
| 3265402 | Web Conferencing configuration information was not transferred to the new unison.ini file when upgrading from release 9.0.4.<br><br>**Note**: This bug is fixed for scenarios where you are upgrading from Release 9.0.3.0.0 to Release 9.0.4.1.1 + Patch Set 1. It is not fixed if you have already upgraded to Release 9.0.4.1.1 and are only applying the patch. |
| 3306945 | If an Oracle Connector for Outlook user changed the details of a recurring meeting, the changes were not reflected on remote nodes |
| 3309494 | A user could not create a web conference if the Details field for the web conference was at its maximum |

*Table 6–2 (Cont.) Fixed Oracle Calendar Server Bugs*

| Bug Number | Description |
|---|---|
| 3312555 | Linux only: If the uniengd service was not present in \etc\services an incorrect port number for the default service was found, thereby causing connection problems for the client applications |
| 3312662 | Oracle Connector for Outlook users invited to one instance of a recurring meeting could not see any attachments for the meeting |
| 3316115 | The unistats utility was generating incorrect NET % values |
| 3371914 | When duplicating a meeting that was a Web conference the details were not copied in the desktop clients |
| 3378018 | A user toggling a meeting between Web conference and normal while waiting for a web conference ID, no longer creates extra meeting requests |
| 3378592 | A search for yourself as an attendee in your own agenda would not find any entries |
| 3380588 | The client session would halt if a user changed their wireless preferences while they have unprocessed SMS requests in the queue |
| 3385193 | Event calendar replication issues were solved |
| 3385227 | Modifying or deleting a meeting during an online backup would halt the server |
| 3385237 | Resources no longer indicate conflicts to users who have "View none" rights |
| 3388804 | The Description field of resources was not replicated across nodes |
| 3391251 | The Oracle Universal Installer automatically did not start and stop Calendar services as necessary |
| 3395305 | If an attendee was removed from the series of a recurring meeting it wasn't replicated to remote nodes |
| 3425434 | Could not login as Event Calendar or as Resource after upgrading<br>**Note**: This bug is fixed for scenarios where you are upgrading from Release 9.0.3.0.0 to Release 9.0.4.1.1 + Patch Set 1. It is not fixed if you have already upgraded to Release 9.0.4.1.1 and are only applying the patch. |
| 3431141, 3433469, 3433967, 3443395, 3443446, 3443463 | For security reasons the Calendar server restricts which data the client applications can access |
| 3452722 | Could not create meetings on a server with a hostname that is longer than 28 characters |
| 3520530 | Converting your database with the unil2bendian and unib2lendian utilities left your attachments inaccessible |

*Table 6–3 Fixed Oracle Calendar Administrator Bugs*

| Bug Number | Description |
|---|---|
| 3016058 | Installing the Oracle Calendar server in multi-byte languages, corrupted the category.ini and categorytype.ini files |
| 2992529 | Attempting to transfer specific types of calendar events (public, private, confidential, normal) or events during a specific time range resulted in the whole Agenda being transferred |
| 3013739 | After making modifications to the user.ini file with the Calendar Administrator, designate and security settings were not properly applied to new users |
| 3014333 | An improper error message was displayed when removing users or resources from a group |
| 3014376 | Attempting to modify a resource did not work if the Admin user was on a remote node |
| 3017641 | Navigation links from second level selection pages did not work |
| 3024235 | Non-SYSOP users with the right to grant administrative rights to other users could not do so using the Calendar Administrator |
| 3040430 | Linux only: Attempting to modify an Admin user when logged in to a remote node did not work |
| 3050286 | Clicking Back in the confirmation page to reset transfer calendar data information resulted in an error |
| 3051869 | The number of logged on users was not correctly displayed in the Node Properties |
| 3069867 | Setting EMAIL-REMINDERDELIVERYRULE through the Calendar Administrator did not work properly |
| 3075176 | Admin users with rights to edit default profiles could not edit default profiles |
| 3091902 | Clicking Go in the Confirmation page when revoking access rights of a resource resulted in a "Page not found" error |
| 3098224 | User IDs containing special or accented characters could not be processed |
| 3180481 | Meetings with a very large number of attendees and instances could in certain cases not be replicated across all nodes |
| 3249091 | The Return to Portal URL was truncated in SSL mode and therefore failed |
| 3287246 | The session inactivity timeout was not properly enforced |
| 3308654 | When using encryption the SYSOP password was limited to five characters |
| 3354235 | Creating an untitled holiday resulted in a Javascript error |
| 3492615 | If a new attendee was added to a pre-existing recurring event the attendee's meeting request would have the time stamp of the original recurring event |

*Table 6–3 (Cont.) Fixed Oracle Calendar Administrator Bugs*

| Bug Number | Description |
|---|---|
| 3492660 | When wireless alerts were on hold indefinitely, the alert requests would pile up |

*Table 6–4 Fixed Oracle Calendar Web Client Bugs*

| Bug Number | Description |
|---|---|
| 2980094 | When a user would try to set a reminder lead time greater than the server's maximum allowed value, the lead time was automatically reset to the server's maximum value without warning |
| 2983094 | When viewing someone's agenda with full viewing rights and attempting to open an attachment to a meeting, a security violation error message would appear |
| 2996941 | Inviting an LDAP group to a meeting on a standalone installation no longer causes an error |
| 3012229 | A remote user added to a group can now see that group when doing a group search |
| 3018089 | Working with long user names and organizational units no longer causes errors |
| 3063310 | Repeating event entries are no longer cut off or excluded from e-mail notifications |
| 3069219 | Users can now be added to the Group View (Scheduler) |
| 3088332 | When a user logs onto the Calendar portlet, the time zone specified for the user in OID is now used. This may be changed via Email preferences. Previously, the time zone used was that of the server running the portlet. Users should make sure that their portlet time zone preference matches their Calendar time zone preference. See Section 1.6, "Oracle Calendar Application System Preinstallation Requirements" on page 1-5 and Section 3.2, "Oracle Calendar Application System Postinstallation Tasks" on page 3-2 for configuration information. |
| 3093116 | Distribution Lists can now be added to meetings |
| 3093968 | Extra semi-colons are no longer displayed in messages in the Calendar portlet |
| 3138387 | In Solaris, the attachment icon is now properly displayed when an attachment is added to a meeting |
| 3138441 | The Favorites list can now include more than 15 agendas, provided this is configured in ocwc.conf and unison.ini. See Section 3.2.4, "Increasing the Size of the Favorites List in the Oracle Calendar Web Client" on page 3-5 for configuration instructions. |
| 3138471 | You can now add users to a new group or edit an existing group |
| 3140360 | When working as a resource designate, if you add the resource to a meeting scheduled outside the daily time range, the resource will be properly displayed as requiring approval |

*Table 6–4 (Cont.) Fixed Oracle Calendar Web Client Bugs*

| Bug Number | Description |
|---|---|
| 3142371 | Selecting a facility while working as a remote designate now works properly |
| 3142376 | The attachment settings in the ocwc.conf file would override those in the unison.ini file. This meant that Web client users could sometimes upload/download attachments even if unison.ini was not configured to allow this. |
| 3144996 | When a user declines a meeting and sets his or her status to BUSY, the scheduler now properly reflects this status |
| 3197065 | In standalone installations, users who enter incorrect login credentials are now redirected to the login failure URL set in ocwc.conf |
| 3227262 | E-mail notification for meetings is no longer delayed |
| 3231039 | In the Resource Approval page, if you opened the Email Agenda page and clicked Cancel, you would be returned to the regular agenda page rather than the Resource Approval page |
| 3278006 | After clicking Upload, it was not clear if the upload was taking place, even though it was. The mouse pointer now changes to an "hourglass" (or equivalent). |
| 3286063 | Unsupported browsers such as Netscape 4 and Internet Explorer 3 are now redirected to a warning page when trying to access the Web client |
| 3314837 | Tabs on bottom are truncated for ZHT. |
| 3358892 | If an event had the maximum amount of details and a user tried to remove the details and update the event, the details would not be deleted |
| 3378014 | E-mail invitations to Web conferences contained incorrect URLs and conference keys |
| 3417095 | The Scheduler (Group View) would sometimes reverse users' agendas; for example, user1 would be shown as having user2's schedule, and vice versa |
| 3418857 | In the online Help, the correct context-sensitive topic now opens when viewing entries in your agenda or another user's agenda |
| 3425707 | Searching on an empty string in the Access Rights page would give an administrator error message |
| 3425781 | A resource leak issue was causing authentication problems, occasionally resulting in missing information in events |
| 3436596 | The start time of meetings scheduled for the afternoon of April 4, 2004, would be off by one hour |
| 3446435 | Reminders can now be set for meetings with multiple instances |

*Table 6–4 (Cont.) Fixed Oracle Calendar Web Client Bugs*

| Bug Number | Description |
|---|---|
| 3470239 | Comments in ocwc.conf falsely stated that setting snn_ timeout to 0 means that cookies will never time out. In truth, due to security requirements, cookies must always time out and will do so after 15 minutes even if snn_timeout is set to 0. The comments in new versions of ocwc.conf reflect this, however existing versions that have been customized are not overwritten in upgrades. |

*Table 6–5 Fixed Oracle Sync Server Bugs*

| Bug Number | Description |
|---|---|
| 3119996 | Meetings scheduled with the Sony Ericsson P800 mobile device no longer only appear as Tentative |
| 3237969 | When synchronizing a SyncML-compliant device, an error could result if a resource did not have an e-mail address |
| 3238411 | Oracle Sync Server no longer experiences an application failure when a client tries to synchronize using an invalid database name |
| 3375907 | On Nokia devices, when synchronizing day events that have same-day reminders, the reminders are now synchronized to the server |
| 3449471 | If agendas contained recurring meetings with many attendees, synchronization performance could be drastically reduced |
| 3461817 | When a device's SyncML information exceeded 4KB, a denial of service could occur on the server |
| 3463332 | ochecklet.fcgi was not cleaning up session files whose time stamps were older than the configured sessiontimeout period |
| 3483158 | If a SyncML message's reported length was shorter than the actual message and ended on a white space, the server could become stuck in an infinite loop, resulting in a denial of service |

*Table 6–6 Fixed Oracle Calendar Web Services Bugs*

| Bug Number | Description |
|---|---|
| 3045497 | In Web Services, the SOAP event query by range uses the conditionals "<=" and ">=", however the source code would filter the results set without including the current datatime setting in UTC. This bug was fixed by changing the event filter to include the timestamps passed in through the vQuery. |

*Table 6–7 Fixed Oracle Calendar SDK Bugs*

| Bug Number | Description |
|---|---|
| 2889348 | Connection pool error codes were incorrectly mapped to the CAPIStatus value CAPI_STAT_LIBRARY_INTERNAL_COSMICRAY |

*Table 6–7 (Cont.) Fixed Oracle Calendar SDK Bugs*

| Bug Number | Description |
|---|---|
| 2898775 | If a server connection was lost (for example, if the calendar service was stopped while a client was connected), the dead connection would not be released from the connection pool, causing subsequent calls to fail |
| 3225312 | Fixed a cache problem that could cause occasional CAPI_STAT_API_HANDLE_BAD errors |
| 3241078, 3397570 | Fixed problems creating recurring events with floating times |
| 3271325, 3283700 | There were missing flags in the Java API that were present in the C API |
| 3283776, 3375712 | There was a memory leak when fetching events |
| 3397590 | When fetching a recurring event using a moved instance, the original time of the moved instance still appeared as an instance |

*Table 6–8 Fixed Oracle Connector for Outlook Bugs*

| Bug Number | Description | Fixed since Release 9.0.4.1.1 |
|---|---|---|
| 3102790 | No error message was displayed when a user failed to add attachments to meetings, tasks and journals because they were larger than the maximum allowed by the server | 9.0.4.2.1 |
| 3186001 | Modifying synchronization preferences while creating an ActiveSync partnership would cause the ActiveSync wizard to fail | 9.0.4.2.1 |
| 3214145 | In certain scenarios, importing Contacts from a .pst file created empty distribution lists | 9.0.4.2.1 |
| 3255806 | Localized versions of Windows 98 only: Some text (double-byte characters only) was not rendered properly when viewing attendee availability | 9.0.4.2.1 |
| 3302846 | Long subject lines with multi-byte characters caused an application failure | 9.0.4.2.1 |
| 3315215 | Word files attached to tasks could not be opened | 9.0.4.2.1 |
| 3324474 | Names that included commas or extended characters (such as accents) were separated incorrectly and could not be resolved | 9.0.4.2.1 |
| 3407479 | Each time a Contact that included a phone number with spaces was modified and saved, extra blank spaces were added between the numbers | 9.0.4.2.1 |
| 3412949 | The owner of a meeting would not receive any e-mail notifications if a meeting was created or modified by a designate | 9.0.4.2.1 |
| 3438220 | Notes created before upgrading to version 9.0.4.1.12 were not displayed | 9.0.4.2.1 |
| 3442714 | Inbox was not refreshed if the machine was left idle and the refresh folder count option was enabled | 9.0.4.2.1 |

*Table 6–8 (Cont.) Fixed Oracle Connector for Outlook Bugs*

| Bug Number | Description | Fixed since Release 9.0.4.1.1 |
|---|---|---|
| 3457251 | Outlook 2002/2003 only: Outbox folder count was not auto-refreshing on the Outlook Today page | 9.0.4.2.1 |
| 3457465 | Users on Courier IMAP4 experienced unexpected behavior of the Sent Items folder | 9.0.4.2.1 |
| 3460240 | Contacts created on the Pocket PC device that included details would not synchronize | 9.0.4.2.1 |
| 3464604 | Notes that included special characters in their titles would not be synchronized with Pocket PC devices | 9.0.4.2.1 |
| 3464642 | Sent messages would get stuck in the Outbox if a user didn't have the appropriate write permissions for the installation directory | 9.0.4.2.1 |
| 3465559 | Copied and new messages were not automatically synchronized with Pocket PC devices | 9.0.4.2.1 |
| 3465822 | Contacts created on the Pocket PC device that did not not include an e-mail address would not synchronize | 9.0.4.2.1 |
| 3000746 | Oracle Web conferences were displayed as NetMeetings | 9.0.4.1.12 |
| 3005507 | Unexpected behavior when creating, modifying and replying to Oracle Web conferences has been resolved | 9.0.4.1.12 |
| 3214458 | E-mail responses from the iPlanet Web client did not display properly | 9.0.4.1.12 |
| 3294675 | If an attempt to send a message failed due to the SMTP server connection timing out, another connection was not made and the message remained in the Outbox | 9.0.4.1.12 |
| 3321772 | Issues with Tasks not being displayed in the Outlook Today view have been resolved | 9.0.4.1.12 |
| 3324619 | Outlook 2000/2002: Inconsistent behavior when displaying Task due dates have been resolved | 9.0.4.1.12 |
| 3355309 | Context menus were doubled in localized versions of Oracle Connector for Outlook | 9.0.4.1.12 |
| 3356196 | Katakana characters did not display properly | 9.0.4.1.12 |
| 3375115 | Messages were duplicated in the Sent Items folder | 9.0.4.1.12 |
| 3378670 | Issues with blank messages being displayed on Pocket PCs have been resolved | 9.0.4.1.12 |
| 2996339 | Attempting to grant delegate permissions to LDAP users or resources resulted in unexpected behavior or error messages | 9.0.4.1.11 |
| 2996466 | Granting delegate permissions to calendar users resulted in unexpected behavior or incorrect error messages | 9.0.4.1.11 |
| 3011965 | Changes to a draft were not saved if the body of the message was not modified | 9.0.4.1.11 |
| 3069877 | The Percentage progress bar in the Mail Server Quota window did not accurately reflect quota usage | 9.0.4.1.11 |
| 3081474 | The Select Attendees and Resources dialog box did not accept multi-byte characters | 9.0.4.1.11 |

*Table 6–8 (Cont.) Fixed Oracle Connector for Outlook Bugs*

| Bug Number | Description | Fixed since Release 9.0.4.1.1 |
|---|---|---|
| 3094679 | Issues with refreshing Public Folders have been resolved | 9.0.4.1.11 |
| 3104734 | Folders with names containing a backslash (\) does not result in unexpected behavior | 9.0.4.1.11 |
| 3108943 | The View > Message Source menu option was not available for encrypted messages | 9.0.4.1.11 |
| 3109734 | Sent messages were not copied in the Sent Items folder if the focus was on the Sent Items folder | 9.0.4.1.11 |
| 3111508 | When sending a message using Outlook 2000 on behalf of another user, the message was saved in the Outbox | 9.0.4.1.11 |
| 3120176 | If the IMAP or calendar server becomes unavailable while Oracle Connector for Outlook is running, the Auto-Refresh feature will reconnect to the server once it is available and retrieve new messages | 9.0.4.1.11 |
| 3130675 | In certain scenarios, message attachments could not be accessed. This issue has been resolved | 9.0.4.1.11 |
| 3138747 | A blank line was inserted at the end of a text file (*.txt) sent as an attachment | 9.0.4.1.11 |
| 3142311, 3113210 | Focus issues when switching from offline to online mode in Outlook XP have been resolved | 9.0.4.1.11 |
| 3142564 | Name display formats in the Address Book were not based on server-side settings | 9.0.4.1.11 |
| 3149587 | Issues related to not being able to expand Distribution Lists when creating a meeting have been resolved | 9.0.4.1.11 |
| 3154416 | Missing localized files are shipped in this release | 9.0.4.1.11 |
| 3154500 | Administrators can enforce a specific display format using the enforce-name-format parameter in the [OUTLOOK_CONNECTOR] section of usison.ini | 9.0.4.1.11 |
| 3304534 | Issues with messages staying in the Outbox have been resolved | 9.0.4.1.11 |
| 3142287 | Sending a message to an e-mail address containing non-English characters did not generate a non-delivery report | 9.0.4.1.7 |
| 3270360 | In certain scenarios, random files were unintentionally attached to e-mail messages | 9.0.4.1.6 |
| 3250427 | Temporary files created under certain conditions are cleaned up and released without having to close the application and therefore, do not cause any system resource allocation failures | 9.0.4.1.5 |
| 3126225 | E-mail messages that included nested parts were not rendered properly and caused unexpected behavior, such as blocking new messages from being seen in the Inbox | 9.0.4.1.3 |
| 3171827 | Opening messages that included embedded messages with very large attachments created unexpected behavior | 9.0.4.1.2 |

*Table 6–9 Fixed Oracle Calendar Desktop Client for Windows Bugs*

| Bug Number | Description |
|---|---|
| 2836621 | Importing a Lotus Organizer .vcs file does not result in unexpected behavior |
| 2859218 | Importing vCard files from the Palm Desktop does not result in unexpected behavior |
| 2859449 | Exporting calendar entries as iCal files does not result in unexpected behavior |
| 2859449, 2836621 | Importing iCalendar and .vcs files from external calendar applications does not result in unexpected behavior |
| 3099254 | Entry notification settings selected when working offline are saved |
| 3160296 | Logging in with a name containing three strings in the last name and searching for users with three strings in their last name is supported |
| 3211332 | Launching Outlook 2002 from File > Launch Mail application works properly |
| 3270819 | Tasks with start and due dates display correctly |
| 3289131 | If an alias is being used by the Connection Manager and that alias is changed to point to another host, the desktop client will automatically detect the new host |
| 3360406 | If the Address Book functionality is disabled and a user attempts a download to existing offline files, the application will try to log in to the offline files with the user's online password |

*Table 6–10 Fixed Oracle Calendar Desktop Client for Macintosh Bugs*

| Bug Number | Description |
|---|---|
| 2884186 | The Apply to all feature for the Reply status of repeating entries works correctly |
| 2884186 | Exporting calendar entries as iCal files does not result in unexpected behavior |
| 3289140 | If an alias is being used by the Connection Manager and that alias is changed to point to another host, the desktop client will automatically detect the new host |
| 3291661 | Tasks with start and due dates display correctly |
| 3319231 | Selecting I will not attend by pressing CTRL and clicking an entry does not result in an error |
| 3322343 | Importing entries without a start or end time as vCal files does not result in an error |
| 3378630 | Importing vCard 2.1 files without the Name property does not result in an error |
| 3427210 | When creating a new calendar entry, "Untitled", which is the default event title, is highlighted |
| 3427289 | Dragging and dropping multiple calendar entries is supported |

*Table 6–11 Fixed Oracle Calendar Desktop Client for Linux Bugs*

| Bug Number | Description |
|---|---|
| 2836729 | Changes made to Address Book folder preferences are saved properly |
| 2944411 | Exporting calendar entries as iCal files does not result in unexpected behavior |
| 3117497 | When selecting Download Only from the Reconcile, Cancel, Download Only dialog box, any changes made to the offline Agenda will be erased. A message informing of you this is displayed. |
| 3289145 | If an alias is being used by the Connection Manager and that alias is changed to point to another host, the desktop client will automatically detect the new host |
| 3291664 | Tasks with start and due dates display correctly |
| 3378645 | Importing vCard 2.1 files without the Name property does not result in an error |
| N/A | Installation problems on newer Linux releases (RedHat Advance Server 3.0, Mandrake 9.2) have been resolved |

*Table 6–12 Fixed Oracle Calendar Desktop Client for Solaris Bugs*

| Bug Number | Description |
|---|---|
| 2836729 | Changes made to Address Book folder preferences are saved properly |
| 2944411 | Exporting calendar entries as iCal files does not result in unexpected behavior |
| 3117497 | When selecting Download Only from the Reconcile, Cancel, Download Only dialog box, any changes made to the offline Agenda will be erased. A message informing of you this is displayed. |
| 3289145 | If an alias is being used by the Connection Manager and that alias is changed to point to another host, the desktop client will automatically detect the new host |
| 3291664 | Tasks with start and due dates display correctly |
| 3378645 | Importing vCard 2.1 files without the Name property does not result in an error |

*Table 6–13 Fixed Oracle Calendar Sync for Palm for Windows Bugs*

| Bug Number | Description |
|---|---|
| 3410147 | Users on slave nodes can sign in and perform a synchronization successfully |

*Table 6–14 Fixed Oracle Calendar Sync for Pocket PC Bugs*

| Bug Number | Description |
|---|---|
| 3410147 | Users on slave nodes can sign in and perform a synchronization successfully |

*Table 6–15 Fixed Oracle Calendar Globalization Bugs*

| Bug Number | Description |
|---|---|
| 3104326 | In the Calendar portlet, for languages such as Japanese and Chinese, the time format for events has been corrected |
| 3292318, 3330078, 3055411, 3359979, 2988702 | Multibyte text entered into fields would sometimes be unexpectedly truncated if it exceeded the Calendar server limit. A warning is now given if the limit is exceeded. |
| 3314505 | In Greek, indecipherable text appeared in the Task View page |
| 3377169 | The format of week number and week number intervals was fixed for Korean |

## 6.3 Oracle Email Bugs

This section includes the following tables:

- Table 6–16, " Fixed Generic Oracle Email Bugs"
- Table 6–17, " Fixed Oracle Email Administration Bugs"
- Table 6–18, " Fixed Oracle Email Globalization Bugs"
- Table 6–19, " Fixed Oracle Email Java SDK Bugs"
- Table 6–20, " Fixed Oracle Email List Server Bugs"
- Table 6–21, " Fixed Oracle Email Migration Tool Bugs"
- Table 6–22, " Fixed Oracle Email PL/SQL SDK Bugs"
- Table 6–23, " Fixed Oracle Email IMAP Server Bugs"
- Table 6–24, " Fixed Oracle Email NNTP Server Bugs"
- Table 6–25, " Fixed Oracle Email POP Server Bugs"
- Table 6–26, " Fixed Oracle Email SMTP Server Bugs"
- Table 6–27, " Fixed Oracle Webmail Bugs"

*Table 6–16 Fixed Generic Oracle Email Bugs*

| Bug Number | Description |
|---|---|
| 2989745 | Alias with invalid e-mail address shuts down the SMTP process |
| 3020904 | INVALID distribution list NAME ERROR appearing for VALID distribution lists |
| 3040517 | IMAP4 inactivated server rule can still be triggered |
| 3097150 | Statistics collection should not interfere with housekeeper process |
| 3249283 | Entry for NNTP INBOUND missing in listener.ora after upgrade |
| 3249296 | Default values for NNTP servers not set after upgrade |

*Table 6–17 Fixed Oracle Email Administration Bugs*

| Bug Number | Description |
|---|---|
| 2988901 | Virus scrubbing cannot be enabled from Policy Administration page |
| 3027989 | Archive newsgroup for distribution list should not default to a moderated newsgroup |
| 3043566 | Last character of host name is missing in Update Virus Scanner page |
| 3061728 | AQDEQUE messages not logged in Email server after a node failover in RAC environment |
| 3064493 | An error message should appear if newsgroup creation fails |
| 3073967 | User-specific metrics should not be saved for charting |
| 3075417 | Cannot set e-mail and voice quota over 2148 MB |
| 3091916 | Error should appear if user tries to access non-existent newsgroup |
| 3164440 | OESCTL SHOW TARGETS not working |
| 3242403 | OESBKP cannot backup inboxes with malformed e-mails |
| 3259591 | Prevent Service Denial Attack parameter value not accurately reflected in Policy page |

*Table 6–18 Fixed Oracle Email Globalization Bugs*

| Bug Number | Description |
|---|---|
| 2931424, 2936382 | Label text should be wrapped |
| 3438611 | Chinese text displayed vertically in Share Folder page |

*Table 6–19 Fixed Oracle Email Java SDK Bugs*

| Bug Number | Description |
|---|---|
| 2646666 | Renaming shared folder with subfolders fails when folder name contains uppercase character |
| 3189054 | Unable to add users to a distribution list |

*Table 6–20 Fixed Oracle Email List Server Bugs*

| Bug Number | Description |
|---|---|
| 3088046 | List server does not fill return-path header when list-admin sends message |
| 3297053 | List server should perform address rewriting on all members of initial recipient list |

*Table 6–21 Fixed Oracle Email Migration Tool Bugs*

| Bug Number | Description |
|---|---|
| 3029372 | Exchange plug-in failed to extract attached forwarded messages and skips notes, calendar, and journal items |

*Table 6–21 (Cont.) Fixed Oracle Email Migration Tool Bugs*

| Bug Number | Description |
|---|---|
| 3077797 | Data should not be migrated to non-existent shared folder |
| 3110817 | Shared folder access control incorrectly set on target |
| 3110830 | Groupwise migration plug-in displays WMS dialog box during shared folder extraction |
| 3110834 | Oracle Email 5.2 migration plug-in doesn't extract dls, shared folders, or public aliases |
| 3184521 | Migration Tool should preserve received dates of messages |
| 3191682 | Some Exchange non-delivery reports cause plug-in to crash |
| 3191692 | Exchange messages with null subjects cause plug-in to crash |
| 3233784 | Base-64 encoded messages are not properly decoded in Outlook Connector client |
| 3242167 | Incorrect rules extraction affects Exchange migration plug-in |
| 3273379 | Exchange messages with un-named attachments cause plug-in to crash |
| 3284411 | Lotus migration plug-in fails to send verification report to user after migration finishes |
| 3296607 | Migration Tool should not open folders set to NoSelect |
| 3311565 | E-mails sent from UNIX servers do not get decoded for display after migration using Exchange migration plug-in |
| 3321032 | Exchange plug-in fails to route users from multiple User Containers |
| 3332956 | Exchange Routing option can create duplicate entries in Address book display |

*Table 6–22 Fixed Oracle Email PL/SQL SDK Bugs*

| Bug Number | Description |
|---|---|
| 3036445 | Message waiting indicator is not turned off if a voice mail is automatically moved through server-side rules upon delivery |
| 3167954 | Failed to send messages with a large attachment |
| 3179057 | Unable to perform body text search when search string contains reserved words |
| 3301039 | Auto-replies should not be sent in response to voice mail messages |
| 3350180 | Annotations are not being updated correctly |

## Fixed Oracle Email Protocol Servers Bugs

*Table 6–23 Fixed Oracle Email IMAP Server Bugs*

| Bug Number | Description |
|---|---|
| 3124855 | IMAP server must correctly respond to list command with empty argument |
| 3141163 | IMAP4 X-ORACLE-LIST command not working for public folders |

*Table 6–24 Fixed Oracle Email NNTP Server Bugs*

| Bug Number | Description |
|---|---|
| 2840911 | Cannot connect to NNTP server when DNS reverse lookup for client fails |
| 3023652 | NNTP outbound server must log correct error when remote server refuses connection |
| 3047647 | Only approved users can post to a moderated newsgroup |
| 3047653 | Posting succeeds to a moderated NNTP group which has no moderators |
| 3088390 | NNTP SERVER must correctly host newsgroups from other mail stores |
| 3096605 | NNTP memory leak |
| 3098593 | NNTP server configured for SSL fails to register with listener |
| 3118710 | NNTP inbound must correctly honor string tokens |
| 3130827 | Default values for parameters must be set in OCSV1 - OCSV2 upgrade environment for NNTP inbound server |
| 3245634 | XPAT is not working properly |
| 3245637 | XOVER not working properly |

*Table 6–25 Fixed Oracle Email POP Server Bugs*

| Bug Number | Description |
|---|---|
| 3275040 | POP3 memory leak |

*Table 6–26 Fixed Oracle Email SMTP Server Bugs*

| Bug Number | Description |
|---|---|
| 3089907 | SMTP unable to send mail to domains with multiple MX records |
| 3108394 | MAIL FROM addresses must be parsed and validated |
| 3109217 | E-mails sent out with .ics or .vcs attachments are never received by recipient |
| 3192591 | Lower waiting time before retrying to deliver messages that have been requeued |
| 3281977 | SMTP server should accept connections even if IP lookup in DNS server fails |

*Table 6–26 (Cont.) Fixed Oracle Email SMTP Server Bugs*

| Bug Number | Description |
|---|---|
| 3330414 | MAIL FROM command does not support AUTH parameter |
| 3330870 | AUTHINFO (if available) should be passed to external filters |
| 3405854 | Messages with subject "--no subject--" appear sporadically |

*Table 6–27 Fixed Oracle Webmail Bugs*

| Bug Number | Description |
|---|---|
| 2478206 | Cannot log into Webmail as an e-mail user with multi-byte user ID |
| 2933799 | Cannot delete an invalid contact from the list |
| 2936138 | Original message in a replied mail does not have quotation marks |
| 2943141 | No validation when adding contact name after mail sent |
| 2954747 | Search by size: should be a tip for search dimension |
| 2964195 | Cannot return to the original page after editing folders |
| 3028340 | Webmail attachments larger than 5 MB fail |
| 3038405 | Reply to or forwarded message is unreadable if the original is a plain text message sent from Webmail |
| 3050101 | Incorrect information in the help page for the All Messages page |
| 3051863 | AUTO-REPLY sends replies incorrectly to messages that should not be replied to |
| 3087880 | Escape functionality is required to escape special characters in JAVASCRIPT |
| 3096098 | Mail portlet always shows 0 messages if user ID is different from e-mail ID |
| 3099934 | Sorting on "To" field does not work in "Sent Messages" folder |
| 3101018 | Cannot get to folder from Select a Folder drop-down menu on Message List page |
| 3104854 | Changing MAIL attribute of base user allows to see other users' inbox |
| 3106598 | Select Address List only fills in first member in New Mail |
| 3110833 | Folders larger than 2147 MB are not accepted |
| 3111959 | Divider is missing in included message when replying or forwarding a message |
| 3118795 | JAVASCRIPT broken for Mozilla 1.X (Netscape 7.X)-based browsers |
| 3119245 | Newsgroup description cannot contain commas |

*Table 6–27 (Cont.) Fixed Oracle Webmail Bugs*

| Bug Number | Description |
|---|---|
| 3191986 | Forwarded e-mail with attachments containing special characters fails |
| 3194132 | Cannot read MS Word attachments with Webmail client |
| 3201683 | After going to a Help page, existing content in Compose page in Webmail is lost |
| 3209066 | Mailing list no access restriction for adding foreign users/aliases/nested lists in DLR pages |
| 3210733 | Cannot move a sub folder to the top level |
| 3211232 | Accessing shared inbox fails with "Unable To Find Folder" |
| 3218498 | An error message occurs when deleting the Shared/Public folder |
| 3222542 | Logos in Webmail have incorrect URL links associated with them |
| 3251720 | Maximum attachment size exception (SIZELIMITEXCEEDEDEXCEPTION) not reported to user |
| 3265861 | Oracle Collaboration Suite Webmail unable to show message body created from Outlook MS Word |
| 3283584 | Policy page parameter set up is incorrect for virus scan |
| 3349782 | Unable to create mail filters with "<" character present |
| 3373881 | OJMA should support sort on the RFC822_TO field |
| 3387016 | Missing resource for domain |
| 3437486 | Moving folders in Webmail generates error message |

## 6.4 Oracle Files Bugs

This section includes the following tables:

- Table 6–28, " Fixed Generic Oracle Files Bugs"
- Table 6–29, " Fixed Oracle Files Administration Bugs"
- Table 6–30, " Fixed Oracle Files Globalization Bugs"
- Table 6–31, " Fixed Oracle Files Installation and Configuration Bugs"
- Table 6–32, " Fixed Oracle Files NFS Bugs"

*Table 6–28 Fixed Generic Oracle Files Bugs*

| Bug Number | Description |
|---|---|
| 3240713 | Due to limitations on partially applied updates, the Folder Index Analyzer Agent attempted to apply updates a second time, causing failures |
| 3320393 | Problems occurred with the Dangling Object AV Cleanup Agent due to issues with session timeouts |
| 3336643 | Modifying a category caused connection pools to be reset |

*Table 6–29 Fixed Oracle Files Administration Bugs*

| Bug Number | Description |
|---|---|
| 2629614 | The OID Synchronization Agent did not synchronize the user's first name from Oracle Internet Directory into Oracle Files |
| 2644364 | When Oracle Files was configured to use SSL/HTTPS, the user's e-mail address was not synchronized from Oracle Internet Directory into Oracle Files |

*Table 6–30 Fixed Oracle Files Globalization Bugs*

| Bug Number | Description |
|---|---|
| 2961735 | Oracle FileSync synchronization success message was truncated in Spanish |
| 2961735 | Oracle FileSync synchronization success message was truncated in Spanish |
| 3037506 | The Oracle FileSync help was not displaying correctly in Turkish |
| 3124510 | Some strings were not translated in the Files Portlet on the Oracle Collaboration Suite Portal page |
| 3200545 | In a German locale, some Oracle FileSync screen text was truncated |
| 3235862 | The Oracle Files WebDAV server could not handle multibyte file name access using MSDAIPP.DLL V10. **Note:** For a complete fix, you must also apply patch 3802599. |
| 3397336 | Could not enable Danish and Finnish in Oracle Workflow |
| 3436917 | Errors occurred in Oracle FileSync when keyboard shortcuts were set to Cyrillic characters |

*Table 6–31 Fixed Oracle Files Installation and Configuration Bugs*

| Bug Number | Description |
|---|---|
| 3201218 | After integrating Oracle Files and Oracle Workflow, the Oracle Workflow schema password was stored unencrypted in dads.conf |
| 3203575 | The ifswfenablelang.log file showed the database SYS password, the database SYSTEM password, and the Oracle Workflow schema password |

*Table 6–32 Fixed Oracle Files NFS Bugs*

| Bug Number | Description |
|---|---|
| 2480035 | After a RAC instance failover, the Oracle Files NFS server could not be used |

## 6.5 Oracle Voicemail & Fax Bugs

This section includes the following tables:

- Table 6–33, " Fixed Generic Oracle Voicemail & Fax Bugs"

- Table 6–34, " Fixed Oracle Voicemail & Fax Administration Bugs"
- Table 6–35, " Fixed Oracle Voicemail & Fax Installation Bugs"

*Table 6–33 Fixed Generic Oracle Voicemail & Fax Bugs*

| Bug Number | Description |
|---|---|
| 2178806 | Erratic MWI service when restarted through activation daemon |
| 2896774 | Prefix to be added to the PBX NUMBER attribute is mandatory for the retrieval process |
| 3120384 | Brazilian Portuguese xml file references wrong directory |
| 3121543 | AQMWI processes stall after logging out of the system |
| 3212853 | No MWI provider name property default |
| 3234226 | bulkmakedirectory.sh and bulkmakedirectory.bat use wrong JVM |
| 3239422 | Correct voicemail preference setting page |
| 3257360 | Correct commit logic for the UM_MWI.SET_MWI() procedure |
| 3262928 | AUTOATTENDANT does not log the cause of a TUI model error |
| 3268883 | RMID and RMIREGISTRY processes die when user logs out |
| 3288073 | Auto-reply is sent to non-mail user |
| 3301304 | AQMWI object caching should not be enabled |
| 3327487 | Trim 3-4 seconds from .wav files |
| 3386204 | Enhancement request for voicemail playback controls |

*Table 6–34 Fixed Oracle Voicemail & Fax Administration Bugs*

| Bug Number | Description |
|---|---|
| 3143599 | Oracle Voicemail & Fax application need to log to system.out and system.err files |
| 3207444 | Oracle Voicemail & Fax needs to integrate with OEM 4.0 for monitoring and metrics |

*Table 6–35 Fixed Oracle Voicemail & Fax Installation Bugs*

| Bug Number | Description |
|---|---|
| 3321972 | Installation for new voicemail languages (HU, RO, RU, and CS) |

## 6.6 Oracle Web Conferencing Bugs

This section includes the following tables:

- Table 6–36, " Fixed Generic Oracle Web Conferencing Bugs"
- Table 6–37, " Fixed Oracle Web Conferencing Globalization Bugs"

*Table 6–36 Fixed Generic Oracle Web Conferencing Bugs*

| Bug Number | Description |
|---|---|
| 3117475 | Conferences on site ID 0 could be deleted by users using XML services |
| 3125526 | When Simplified Chinese locale users shared an area of their desktop, Arabic users saw this area flipped on their desktop |
| 3130025 | System administrators could not customize the privacy statement for their installations. The URL for the privacy statement is now configurable. |
| 3150639 | Users could not include dashes in the dial-in sequence they entered for a conference |
| 3157513 | Users who opened a conference page and then clicked Back (without joining the conference) would return to the All Sites Web Conferencing home, not the site-specific home page |
| 3181215 | The integration services join conference flow did not pass the user's ID (first name, last name, and e-mail address); now passed as XML elements |
| 3195461 | When a host created a conference through Oracle Calendar, the e-mail invitation displayed the start time in UMT (Universal Mean Time) |
| 3253214 | Rating and comment information was not saved if there was more than one load balancer |
| 3359461 | When scheduling a conference, the default year was set to 2003; default is now set to the database server's current date and time |

*Table 6–37 Fixed Oracle Web Conferencing Globalization Bugs*

| Bug Number | Description |
|---|---|
| 3125526 | When Simplified Chinese locale users shared an area of their desktop, Arabic users saw this area flipped on their desktop |

## 6.7 Oracle9*i*AS Wireless Bugs

*Table 6–38 Fixed Oracle9iAS Wireless Bugs*

| Bug Number | Description |
|---|---|
| 3028503 | In the Oracle Collaboration Suite Portal, creating an address in the Address Book is failing |
| 3028533 | Errors being received when saving, after verifying that Email preferences have been reset |
| 3034441 | Translation problem: the English string: "Regions" column name is incorrect |
| 3036894 | Error information for Instant Messenger is displayed in Japanese for users using the English language |
| 3037127 | The Reply All option in Wireless Mail access produces an error message |
| 3038542 | Unable to browse HTML Mail |

*Table 6–38 (Cont.) Fixed Oracle9iAS Wireless Bugs*

| Bug Number | Description |
|---|---|
| 3045846 | Sending an email attachment from Files in ptg/rm results in multiple attachments |
| 3047500 | The "Previous" icon is missing from Mail on WAP devices |
| 3051581 | PORTAL/EMAIL: Recipients' email addresses are not automatically displayed as expected |
| 3070376 | WAP Applications are unusable on some devices |
| 3073910 | Errors in Contact Rules prompts |
| 3095207 | Received a service error while accessing Mail, Calendar, and Files |
| 3096258 | Cannot log into Instant Messenger in the Wireless Portal |
| 3100268 | Cannot log into Mail in the Wireless Portal from HDML |
| 3100274 | Cannot access the Wireless portal from XHDML |
| 3102364 | Translation problem: the value displayed (which should be substituted for a variable) does not exist |
| 3109510 | Display "No Priv to Access this Application" when appropriate |
| 3118600 | User name displayed does not reflect the currently logged-in user |
| 3118612 | List of time zones is incomplete |
| 3125476 | Cannot save the enclosed file to the online file system |
| 3129220 | Misspelled word on pages |
| 3174307 | Modifying a set of rules (for notifications) generates duplicate messages |
| 3174999 | Some Contact Rule prompts contain errors |
| 3185398 | Must merge devices from 9.0.2.10 to 9.0.3.2 |
| 3189830 | PIM Notification Dispatcher connects to an invalid Unified Messaging database |
| 3189842 | PIM Notification Dispatcher cannot process large numbers of Calendar messages |
| 3201124 | Address Book module parameter is missing during upgrade |
| 3207313 | Page Not Found error when clicking Finish on the Advanced page |
| 3217303 | Calendar for Windows NT crashes the virtual machine after minimal usage |
| 3219543 | DTMF on Address Book does not work on Loquendo |
| 3232042 | Wireless Configuration Assistant fails while installing the middle tier |
| 3238100 | Translation errors on Hungarian strings in the Fax utility of Device Portal |
| 3243132 | Labels are not translated for the Over The Air feature |

# Index