

# Oracle® Audit Vault

Release Notes

Patch Set 2 Release 10.2.3.2

E14466-02

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These *Release Notes* contain important information that was not included in the Oracle Audit Vault Patch Set 2 Release 10.2.3.2 documentation.

This document contains the following sections:

- [Downloading the Latest Version of This Document](#)
- [Installing the Oracle Audit Vault Patch Set on the Audit Vault Server](#)
- [Installing the Oracle Audit Vault Patch Set on the Audit Vault Agent](#)
- [Postinstallation Tasks](#)
- [Bugs Fixed in This Release](#)
- [General Installation Issues](#)
- [General Administration and Configuration Issues](#)
- [Source Configuration Issues](#)
- [Collector Configuration Issues](#)
- [Documentation Accessibility](#)

## 1 Downloading the Latest Version of This Document

You can download the most current version of this document from the following Web site:

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

## 2 Installing the Oracle Audit Vault Patch Set on the Audit Vault Server

This section describes how to install Oracle Audit Vault Patch Set 2 (Release 10.2.3.2.0) onto the following Oracle Audit Vault releases and products:

- Oracle Audit Vault Server Release 10.2.3.0 or 10.2.3.1.0
- Oracle Audit Vault Agent Release 10.2.3.0 or 10.2.3.1.0

You must install this patch set on the Oracle Audit Vault Server release before you can upgrade the Agent release installation. This procedure takes approximately an hour and 45 minutes to complete, depending on the speed of your computer.

This section contains:

- [Step 1: For Oracle RAC, Check the Cluster Ready Services Version](#)
- [Step 2: Back Up Oracle Audit Vault](#)
- [Step 3: Ensure That the NLS\\_LANG Environment Variable Is Not Set](#)
- [Step 4: Stop the Oracle Audit Vault Processes](#)
- [Step 5: Manually Disable Database Vault on Oracle RAC Instances](#)
- [Step 6: Install the Oracle Audit Vault Patch Set into the Audit Vault Server Home](#)
- [Step 7: Restart the Oracle Audit Vault Server](#)

## 2.1 Step 1: For Oracle RAC, Check the Cluster Ready Services Version

If you plan to install the Oracle Audit Vault Server patch set on Oracle Real Application Clusters (Oracle RAC), then ensure that the Cluster Ready Services (CRS) version is Release 10.2.0.4 or later. If the CRS version is not Release 10.2.0.4 or later, then you must first patch CRS to Release 10.2.0.4 before installing the Audit Vault Server patch set.

## 2.2 Step 2: Back Up Oracle Audit Vault

As a best practice, you should back up your Oracle Audit Vault database, the Audit Vault Server home, and the Audit Vault collection agent home before you begin the upgrade.

You cannot roll back or re-apply the Oracle Audit patch set if the patch set installation fails. Therefore, back up the files before you apply and test the patch upgrade.

### Back Up the Database

After cleanly shutting down the instance following the analysis of the database, perform a full backup of the database. Complete the following steps:

1. Start RMAN:

```
$ rman target /
```

2. Issue the following RMAN commands. In the following example, the tag is named `before_upgrade`.

```
BACKUP DATABASE FORMAT 'backup_directory%U' TAG before_upgrade;  
BACKUP CURRENT CONTROLFILE FORMAT 'save_controlfile_location';
```

**See Also:** *Oracle Database Backup and Recovery Basics* for more information about backing up a database.

### Back Up Oracle Audit Vault Server Home

Because the patch set updates files in the Oracle Audit Vault Server home directory, back up or copy these files to another directory until after you have tested the patch set.

## 2.3 Step 3: Ensure That the NLS\_LANG Environment Variable Is Not Set

Do not set the NLS\_LANG environment variable.

To unset the NLS\_LANG environment variable for the C shell:

```
$ unsetenv NLS_LANG
```

For Bourne, Bash, or Korn:

```
$ unset NLS_LANG
```

## 2.4 Step 4: Stop the Oracle Audit Vault Processes

This section contains:

- [Step 4A: Stop All Collectors](#)
- [Step 4B: Stop All Agents](#)
- [Step 4C: Stop the Oracle Audit Vault Console](#)
- [Step 4D: Shut Down the Oracle Audit Vault Database](#)
- [Step 4E: Stop the Listener](#)

### 2.4.1 Step 4A: Stop All Collectors

To stop the collectors:

1. In the server where you installed the Oracle Audit Vault Server, open a shell.
2. Set the appropriate environment variables for the Oracle Audit Vault Server.  
See "Checking and Setting Environment Variables" in Chapter 2 of *Oracle Audit Vault Administrator's Guide*.

3. Run the following command to stop the collectors:

```
$ avctl stop_collector -collname collector-name -srcname source_name
```

4. Leave this shell open.

### 2.4.2 Step 4B: Stop All Agents

To stop the agents:

1. In the shell that you opened in [Section 2.4.1](#), run the following command:

```
$ avctl stop_agent -agentname agent_name
```

2. Leave this shell open.

### 2.4.3 Step 4C: Stop the Oracle Audit Vault Console

To stop the Oracle Audit Vault Console:

1. In the shell that you opened in [Section 2.4.1](#), run the following command:

```
$ avctl stop_av
```

2. Leave this shell open.

### 2.4.4 Step 4D: Shut Down the Oracle Audit Vault Database

From the Oracle Audit Vault Server home, use the following command to shut down the Oracle Audit Vault Database.

```
$ sqlplus /nolog
SQL> CONNECT SYS/AS SYSOPER
Enter password: password
Connected.
```

```
SQL> SHUTDOWN IMMEDIATE
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> EXIT
```

In an Oracle RAC environment, run the following command from the node on which the Audit Vault Console is running:

```
$ORACLE_HOME/bin/srvctl stop database -d AVdatabase_name -q
Connect string: [/ as sysdba] sys/sys_password as sysdba
```

#### 2.4.5 Step 4E: Stop the Listener

From the Oracle Audit Vault Server home, run the following command to stop the listener. The listener name is usually LISTENER. You can run the `lsnrctl status` command to check the name of the listener.

```
$ lsnrctl stop listener_name
```

In an Oracle RAC environment, run this command on all nodes where Oracle Audit Vault Server is installed.

### 2.5 Step 5: Manually Disable Database Vault on Oracle RAC Instances

If the Audit Vault Server is running on Oracle RAC, manually disable Database Vault before the installation, as follows:

1. Ensure that you have shut down the database in the Audit Vault Server home directory to be patched, as described in [Section 2.4](#).
2. For each Oracle RAC node, relink the `oracle` executable with the `dv_off` command.

```
$ make -f $ORACLE_HOME/rdbms/lib/ins_rdbms.mk dv_off ioracle
```

3. Connect to the Audit Vault Server database on the Oracle RAC instance.

```
$ sqlplus "/ as sysdba"
```

4. Start the database instance.

```
SQL> STARTUP MOUNT
```

5. Turn off the archivelog feature.

```
SQL> ALTER DATABASE NOARCHIVELOG;
SQL> ALTER DATABASE OPEN;
```

6. Issue the following commands to disable the Oracle Database Vault-related DDL triggers.

```
SQL> ALTER TRIGGER DVSYS.DV_BEFORE_DDL_TRG DISABLE;
SQL> ALTER TRIGGER DVSYS.DV_AFTER_DDL_TRG DISABLE;
```

7. Shut down the database instance.

```
SQL> SHUTDOWN IMMEDIATE
```

8. Stop the listener on that node.

```
$ lsnrctl stop listener_name
```

## 2.6 Step 6: Install the Oracle Audit Vault Patch Set into the Audit Vault Server Home

Perform the following steps to install the Oracle Audit Vault Patch Set 2 (Release 10.2.3.2.0) in the Oracle Audit Vault Server home. You must use the same download executable for both the Audit Vault Server and Audit Vault Agent upgrades.

1. Log in to My Oracle Support (formerly OracleMetaLink) and download Oracle Audit Vault Patch Set 2 (Release 10.2.3.2.0).

You can access My Oracle Support from the following Web site:

<http://metalink.oracle.com>

2. Start Oracle Universal Installer (OUI) from the directory that contains the runInstaller program.

```
$ cd directory-containing-Oracle-Audit-Vault-Patchset-Installation-Files
./runInstaller
```

Oracle Universal Installer starts. It verifies the operating system version and then presents a summary of the checks it performs.

3. In the Welcome window, click **Installed Products** to display the Inventory window.

This window indicates the name of the Oracle Audit Vault Server home installed on your computer. For example, it may be named OraAV10g\_home1. The **Path** field updates to correspond with the Oracle home directory in the **Name** field.

Click **Close** to close the Inventory window and return to the Welcome window. Then the click **Next**.

4. In the Specify Home Details window, in the **Name** field, click the down arrow at the end of the field and select the name of the Oracle Audit Vault Server home you found in the previous step (Step 3). Then click **Next**.
5. In the next window, optionally, provide your e-mail address and My Oracle Support password if you want to receive Oracle security updates. Then click **Next**.

For an Oracle RAC installation, a node selection window appears with all fields disabled. This window displays the nodes that this patch set is going to be installed on.

When the Product-Specific Prerequisite Checks window appears, Oracle Universal Installer then performs product-specific prerequisite checks.

6. In the Summary Page window check the space requirements.

For a single instance installation, 832 MB of space is required to install Patch Set 2, which includes 50 MB of temporary space.

For an Oracle RAC installation, for local node 854 MB of space is required and for remote node 804 MB of space is required to install Patch Set 2, which includes 50 MB of temporary space.

Review each of the items that are about to be installed.

7. Click **Install**.

When the installation completes, the Configuration Assistants window appears.

The Configuration Assistants window displays, and the configuration begins. When the configuration completes, the End of Installation window appears and displays the URL for the Oracle Audit Vault Console. It is the same URL used for the previous Oracle Audit Vault installation.

8. Click **Exit** to exit the Oracle Universal Installer, and then click **Yes** in the confirmation window.

When the installation is complete, the Audit Vault Server database and listener are running. You can check them as follows:

- To check the status of the database, run the following `SELECT` statement in SQL\*Plus:

```
SQL> SELECT OPEN_MODE FROM V$DATABASE;
```

It should return the following output:

```
READ WRITE
```

- To check the status of the listener:

```
$ $ORACLE_HOME/bin/lsnrctl status listener_name
```

9. Ensure that the processes are running.

```
$ emctl status dbconsole
```

In the shell that you opened in [Section 2.4.1](#), run the following command:

```
$ avctl show_av_status
```

If the processes are not running, then run the following commands:

```
$ avctl stop_av
$ avctl start_av
```

The `avctl start_av` command also starts the Database Console.

### If the Patch Set Upgrade Is Not Successful

If the patch set apply is not successful, to abandon the upgrade, perform the following steps:

1. Copy (Restore) the Audit Vault Server Home files back to their original location.
2. If you backed up the database, then restore that backup. Complete the following steps:
  - a. Log in to the system as the owner of the Oracle home directory of the previous release.

- b. Sign on to RMAN:

```
$ rman target /
```

- c. Issue the following RMAN commands. In this example, the name of the tag is `before_upgrade`:

```
STARTUP NOMOUNT
RESTORE CONTROLFILE FROM 'save_controlfile_location';
ALTER DATABASE MOUNT;
RESTORE DATABASE FROM TAG before_upgrade RECOVER DATABASE;
ALTER DATABASE OPEN RESETLOGS;
```

## 2.7 Step 7: Restart the Oracle Audit Vault Server

After you complete these steps, for AIX platforms and for Oracle RAC environments, you must restart the Oracle Audit Vault Server. For other platforms, the Audit Vault Server should start. If it does not, then follow the instructions in this section.

- [Restarting the Audit Vault Server on AIX 5L](#)
- [Restarting the Audit Vault Server on Non-AIX 5L Platforms](#)
- [Restarting the Audit Vault Server in an Oracle RAC Environment](#)

### 2.7.1 Restarting the Audit Vault Server on AIX 5L

To restart the Oracle Audit Vault Server on AIX 5L:

1. Access the shell that you opened for the Audit Vault Server in [Section 2.4.1](#) and ensure that the ORACLE\_SID environment variable is properly set.
2. Stop the Oracle Audit Vault Server console.

```
$ avctl stop_av
```

3. Log in to SQL\*Plus as user SYS with the SYSOPER privilege and shut down the database.

```
$ sqlplus sys as sysoper
Enter password: password
Connected.
```

```
SQL> SHUTDOWN IMMEDIATE
```

4. Relink the oracle executable.

```
$ $ORACLE_HOME/bin/relink oracle
```

5. From SQL\*Plus, restart the database.

```
SQL> STARTUP
```

6. Restart the Audit Vault Server console.

```
$ avctl start_av
```

You can check the status of the Audit Vault Server as follows:

```
$ avctl show_av_status
```

### 2.7.2 Restarting the Audit Vault Server on Non-AIX 5L Platforms

To restart the Oracle Audit Vault Server on non-AIX 5L platforms:

1. Access the shell that you opened for the Audit Vault Server in [Section 2.4.1](#).
2. Check the status of the Audit Vault Server.

```
$ avctl show_av_status
```

3. If the Audit Vault Server is not running, then run the following command:

```
$ avctl start_av
```

### 2.7.3 Restarting the Audit Vault Server in an Oracle RAC Environment

To restart the Oracle Audit Vault Server in an Oracle RAC environment:

1. On each node, run the following command in SQL\*Plus:

```
$ sqlplus / as sysdba
```

```
SQL> ALTER DATABASE OPEN;
```

To verify that all database instances are in OPEN mode, select from the GV\$INSTANCE view as follows:

```
SQL> SELECT INST_ID, STATUS FROM GV$INSTANCE;
```

2. Access the shell that you opened for the Audit Vault Server in [Section 2.4.1](#).
3. Run the following commands to restart the Audit Vault Server:

```
$ avctl stop_av
```

```
$ avctl start_av
```

You can check the Audit Vault Server status as follows:

```
$ avctl show_av_status
```

## 3 Installing the Oracle Audit Vault Patch Set on the Audit Vault Agent

Before you begin these instructions, ensure that you have completed the Oracle Audit Vault Server patch set release installation. This procedure takes approximately five-to-fifteen minutes to complete, depending on the speed of your computer.

This section contains:

- [Step 1: Back Up the Oracle Audit Vault Collection Agent Home](#)
- [Step 2: Ensure That the NLS\\_LANG Environment Variable Is Not Set](#)
- [Step 3: Stop the Oracle Audit Vault Processes](#)
- [Step 4: Install Oracle Audit Vault Patch Set 2 in the Audit Vault Collection Agent Homes](#)
- [Step 5: Restart the Oracle Audit Vault Process](#)

### 3.1 Step 1: Back Up the Oracle Audit Vault Collection Agent Home

Because the patch set updates files in the Oracle Audit Vault collection agent home directory, back up or copy these files to another directory until after you have tested the patch set.

### 3.2 Step 2: Ensure That the NLS\_LANG Environment Variable Is Not Set

Do not set the NLS\_LANG environment variable.

To unset the NLS\_LANG environment variable for the C shell:

```
$ unsetenv NLS_LANG
```

For Bourne, Bash, or Korn:

```
$ unset NLS_LANG
```

### 3.3 Step 3: Stop the Oracle Audit Vault Processes

This section contains:

- [Step 3A: Stop All Collectors Running Within the Context of the Agent](#)
- [Step 3B: Stop the Collection Agent](#)

#### 3.3.1 Step 3A: Stop All Collectors Running Within the Context of the Agent

To stop the collectors that are running within the context of the agent that you are patching:

1. Access the Audit Vault Server shell that you opened in [Section 2.4.1, "Step 4A: Stop All Collectors."](#)

If you had closed this shell, then you must set the appropriate environment variables for the Oracle Audit Vault Server. See "Checking and Setting Environment Variables" in Chapter 2 of *Oracle Audit Vault Administrator's Guide*.

2. Run the following command to stop the collectors:

```
$ avctl stop_collector -collname collector-name -srcname source_name
```

3. Leave this shell open.

#### 3.3.2 Step 3B: Stop the Collection Agent

To stop the collection agent:

1. Open a shell for the Audit Vault agent.
2. Set the appropriate environment variables for the Oracle Audit Vault agent.

See "Checking and Setting Environment Variables" in Chapter 2 of *Oracle Audit Vault Administrator's Guide*.

3. Run the following command:

```
$ avctl stop_oc4j
```

You can check the status of the agent as follows:

```
$ avctl show_oc4j_status
```

4. Leave this shell open.

### 3.4 Step 4: Install Oracle Audit Vault Patch Set 2 in the Audit Vault Collection Agent Homes

Perform the following steps to install the Oracle Audit Vault Patch Set 2 (Release 10.2.3.2.0) in the Oracle Audit Vault collection agent home.

1. If you have not done so already, log in to My Oracle Support and download Oracle Audit Vault Patch Set 2 (Release 10.2.3.2.0). You can access My Oracle Support from the following Web site:

<http://metalink.oracle.com>

2. Start Oracle Universal Installer (OUI) from the directory that contains the `runInstaller` program.

```
$ cd directory-containing-Oracle-Audit-Vault-Patchset-Installation-Files
./runInstaller
```

Run the same Oracle Universal Installer that you used to install the Oracle Audit Vault Server patch set. Oracle Universal Installer starts. It verifies the operating system version and then presents a summary of the checks it performs.

3. In the Welcome window, click **Installed Products** to display the Inventory window.

This window indicates the name of the Oracle Audit Vault collection agent home installed on your computer. For example, it may be named `OraAV10g_home2` when installed on the same computer as the Oracle Audit Vault Server or `OraAV10g_home1` when installed on a different computer from Oracle Audit Vault Server.

Click **Close** to close the Inventory window and return to the Welcome window. Then the click **Next**.

4. In the Specify Home Details window, in the **Name** field, click the down arrow at the end of the field and select the name of the Oracle Audit Vault collection agent home you determined from the previous step (Step 3).

Once you select the Oracle Audit Vault collection agent home, the **Path** field should display the correct path to the Oracle Audit Vault collection agent home. Review the path name. Then click **Next**.

When the Product-Specific Prerequisite Checks window appears, Oracle Universal Installer then performs product-specific prerequisite checks.

5. In the Summary Page window, check the space requirements.

On Linux, 330 MB of space is required to install Patch Set 2, which includes 25 MB of temporary space.

On Microsoft Windows 32-bit, 223 MB of space is required to install Patch Set 2, which includes 23 MB of temporary space.

Review each of the items that are about to be installed.

6. Click **Install**.

The **Install** window appears. When the installation completes, the Configuration Assistants window appears and then completes the configuration. Then the end of Installation window appears.

7. Click **Exit** to exit the Oracle Universal Installer, and then click **Yes** in the confirmation window.

#### If the Patch Upgrade Is Not Successful

If the patch set upgrade is not successful, to abandon the upgrade, copy (restore) the Audit Vault collection agent home files back to their original location.

## 3.5 Step 5: Restart the Oracle Audit Vault Process

This section contains:

- [Step 5A: If Necessary, Start the Collection Agent](#)

- [Step 5B: Start the Collectors](#)
- [Step 5C: Verify that the Oracle Audit Vault System Components are Running](#)

### 3.5.1 Step 5A: If Necessary, Start the Collection Agent

By default, the collection agent should be running. If it is not, follow these steps:

1. Access the shell that you opened for the Audit Vault Agent in [Section 3.3.2](#).
2. Run the following command:

```
$ avctl start_agent
```

You can check the status of the agent as follows:

```
$ avctl show_agent_status
```

3. Close this shell.

### 3.5.2 Step 5B: Start the Collectors

To start the collectors:

1. In the Audit Vault Server shell that you opened in [Section 2.4.1](#), run the following command:

```
$ avctl start_collector -collname collector_name -srcname source_name
```

2. Leave this shell open.

### 3.5.3 Step 5C: Verify that the Oracle Audit Vault System Components are Running

To verify that all Oracle Audit Vault components are running and the system is operational:

1. In the shell that you opened in [Section 2.4.1](#), run the following command:

```
$ avctl show_collector_status -collname collector_name -srcname source_name
```

2. Close this shell.

## 4 Postinstallation Tasks

After you install Oracle Audit Vault, check if there is a patch set or critical patch update (CPU) available. Before applying any Oracle Audit Vault patch sets, back up your Oracle Audit Vault database, the Oracle Audit Vault Server home, and the Oracle Audit Vault collection agent home. See [Section 4.1](#) for more information.

This section describes the following postinstallation tasks if you need to update this patch:

- [Back Up and Recovery of Oracle Audit Vault](#)
- [Critical Patch Update \(CPU\)](#)

### 4.1 Back Up and Recovery of Oracle Audit Vault

Back up the files before you begin a critical patch upgrade and keep these files until you have tested the upgrade. See "[Step 2: Back Up Oracle Audit Vault](#)" on page 2 for more information.

## 4.2 Critical Patch Update (CPU)

A CPU is a collection of patches for security vulnerabilities. It also includes non-security fixes required (because of interdependencies) by those security patches. CPUs are cumulative, and they are provided quarterly on the Oracle Technology Network. Oracle Audit Vault 10.2.3.2.0 does not include the October 2009 RDBMS CPU for the underlying 10.2.0.4 database, therefore, you need to install this RDBMS CPU. If a later RDBMS CPU is available, then install that. For general information about CPUs, see

<http://www.oracle.com/security/critical-patch-update.html>

For specific information about critical patch updates and security alerts, see

<http://www.oracle.com/technology/deploy/security/alerts.htm>

## 5 Bugs Fixed in This Release

[Table 1](#) lists bugs that have been fixed for Oracle Audit Vault Patch Set Release 10.2.3.2.

**Table 1 Bugs Fixed in Oracle Audit Vault Patch Set Release 10.2.3.2**

Bug Number	Description
7375174	NEED A MECHANISM TO CLEAN OUT THE ARCHIVED AUDIT SETTINGS FOR A SOURCE IN AV
7449916	CAN "MARK ALL [OPTIONS] AS NEEDED", BUT CANNOT "UNMARK ALL" / "MARK AS UNNEEDED"
7589154	TRANSACTION ID FORMAT IN DATAWAREHOUSE
7599953	XML COLLECTOR CRASHES WITH CSDK ERROR
7607999	LINK OF "TOP FIVE AUDIT SOURCES BY NUMBER OF ALERTS" IS WRONG
7610793	WHEN EXECUTING PROVISION AGAINST 9IR2 DB, ENCOUNTERING ERROR
7636785	VERY SLOW AV DATAWAREHOUSE REFRESH
7658670	STREAMS COLLECTOR IS FAILING WITH ORA-7445 [STRSTR()]
7693379	MSSQL COLLECTOR CRASHES WITH ORA-1461
7706920	MSSQL COLLECTOR IS CRASHING CONSISTENTLY
8197634	AV CONSOLE IS SLOW BECAUSE IT POLLS THE STATUS OF ALL THE COLLECTORS
8197950	ERROR ADDING AGENT: CONFIGURATION NAME ALREADY EXISTS OAV-46503
8206426	CONTEXT_DIM HAS 3 TIMES MORE ROWS THAN AV\$RADDS_FLAT
8209426	WRONG URL PRINTED BY AVCTL
8235653	OSAUD COLLECTOR DIES ON WINDOWS IF IT ENCOUNTERS ERROR WHILE PROCESSING EVTLOG
8323660	INCORRECT OS CHECKS IN SYBASE, DB2 AND SQL SERVER COLLECTORS
8370693	NEED TO BE ABLE TO SEE ALL THE DATE/TIME IN A PARTICULAR TIMEZONE
8414793	THE OS COLLECTOR GETS STUCK INTERMITTENTLY

**Table 1 (Cont.) Bugs Fixed in Oracle Audit Vault Patch Set Release 10.2.3.2**

Bug Number	Description
8468129	CANNOT DELETE ALERTS FROM AV GUI
8508268	DB COLLECTOR FAILS WITH ORA-06502 ORA-06512 NPSRCUSR.AV_TRUNCATE_CLOB
8634768	AUDIT VAULT POLICIES RETRIEVAL PERFORMANCE SLOW
8726158	CANNOT START COLLECTOR AFTER UPGRADING TO 10.2.3.1
8753685	OS COLLECTOR GETS DISCONNECTED FROM SOURCE DB FOR 9.2 DATABASES
8782576	ALLOW DB_DOMAIN = NULL TO ADD REDO COLLECTOR WHEN GLOBAL_NAMES=FALSE
8868978	AUDIT POLICY RETRIEVAL FAILS - LOG SHOWS 'INVALID COLUMN NAME'

## 6 General Installation Issues

This section contains:

- [All Platforms \(Single Instance and Oracle RAC\)](#)
- [All Platforms \(Oracle RAC\) Only](#)
- [Linux and UNIX Platforms \(Single Instance and Oracle RAC\)](#)
- [Microsoft Windows Platform](#)

### 6.1 All Platforms (Single Instance and Oracle RAC)

This section describes known issues and workarounds for single instance and Oracle RAC installations on all platforms.

This section contains:

- [Oracle Enterprise Manager URL Is in Non-Secure Mode After Audit Vault Server Upgrade to Release 10.2.3.2](#)
- [Cannot Access the Audit Vault Console Shortly After Installation](#)

#### 6.1.1 Oracle Enterprise Manager URL Is in Non-Secure Mode After Audit Vault Server Upgrade to Release 10.2.3.2

After you install Oracle Audit Vault Server Patch Set 2 Release 10.2.3.2.0, the Oracle Enterprise Manager URL is not secure.

**Workaround:** Perform the following steps in the Audit Vault Server shell to secure the Oracle Enterprise Manager URL.

1. Ensure that the ORACLE\_SID environment variable is set correctly.
2. Set the time zone environment variable TZ to UTC.  

```
$ setenv TZ UTC
```
3. Stop the Oracle Enterprise Manager console.  

```
$ ORACLE_HOME/bin/emctl stop dbconsole
```
4. Configure the Oracle Enterprise Manager key.

```
$ ORACLE_HOME/bin/emctl config emkey -repos -sysman_pwd password
```

5. Secure Oracle Enterprise Manager.

```
$ ORACLE_HOME/bin/emctl secure dbconsole -sysman_pwd password
```

6. Start the Oracle Enterprise Manager console.

```
$ ORACLE_HOME/bin/emctl start dbconsole
```

This issue is tracked with Oracle bug 8924450.

### 6.1.2 Cannot Access the Audit Vault Console Shortly After Installation

Shortly after installing Oracle Audit Vault, you may not be able to access the Audit Vault Console. If you run the `emctl status dbconsole` and `avctl show_av_status` commands, then the output indicates that Oracle Audit Vault is running. However, when you try to access the Audit Vault Console, the Web browser page displays a `This page cannot be displayed` error.

**Workaround:** Restart the Audit Vault Console. See Step 9 of [Section 2.6](#).

This issue is tracked with Oracle bug 6867972.

## 6.2 All Platforms (Oracle RAC) Only

This section contains:

- [Oracle Audit Vault Server Patch Set Installation on Single Node Oracle RAC Audit Vault Server Fails at DBUA](#)
- [Oracle Enterprise Manager URL Not Working After Audit Vault Patch Set Installation](#)

### 6.2.1 Oracle Audit Vault Server Patch Set Installation on Single Node Oracle RAC Audit Vault Server Fails at DBUA

While you install Oracle Audit Vault Patch Set 2 release 10.2.3.2.0 over single node Oracle RAC 10.2.3.2 Audit Vault Server, DBUA fails with the following error:

```
ORA-32001: write to SPFILE requested but no SPFILE specified at startup
```

**Workaround:** Perform the following steps before installing the patch set:

1. Stop the database.

```
$ ORACLE_HOME/bin/srvctl stop database -d db_name
```

2. Start the database with the NOMOUNT option.

```
$ sqlplus /NOLOG
SQL> CONNECT SYS/SYS_password AS SYSDBA
SQL> STARTUP NOMOUNT
```

3. Create the SPFILE from the PFILE by entering the following command where the `pfile_location` is usually `$ORACLE_HOME/admin/db_name/pfile` for the Optimal Flexible Architecture compliant database:

```
SQL> CREATE SPFILE='SHARED_LOCATION/SPFILE.ORA' FROM PFILE='pfile_location/init.ora'
```

4. Shut down the database:

```
SQL> SHUTDOWN IMMEDIATE
SQL> EXIT
```

5. Clear the contents of the PFILE located at \$ORACLE\_HOME/dbs/init`sid`.ora and enter following entry in that file:

```
SPFILE=SHARED_LOCATION/SPFILE.ORA
```

6. Restart the database.

```
SQL> STARTUP
```

This issue is tracked with Oracle bug 8493676.

### 6.2.2 Oracle Enterprise Manager URL Not Working After Audit Vault Patch Set Installation

After you patch Audit Vault from Release 10.2.3.0 to 10.2.3.2.0 on Oracle RAC, the Oracle Enterprise Manager URL does not work. If you run the emctl status dbconsole command, it indicates that Enterprise Manager is running, but when you try the URL, the following error appears:

```
The database status is currently unavailable. It is possible that the
database is in mount or nomount state. Click 'Startup' to obtain the current
status and open the database. If the database cannot be opened, click
'Perform Recovery' to perform an appropriate recovery operation.
```

**Workaround:** See [Section 2.7.3](#).

This issue is tracked with Oracle bug 8924812.

## 6.3 Linux and UNIX Platforms (Single Instance and Oracle RAC)

This section contains:

- [After the Audit Vault Server Upgrade, Oracle Database Vault Is Not Enabled on AIX 5L Platforms](#)

### 6.3.1 After the Audit Vault Server Upgrade, Oracle Database Vault Is Not Enabled on AIX 5L Platforms

During the installation of Oracle Audit Vault Server on AIX 5L, Audit Vault Configuration Assistant (AVCA) fails to relink the oracle executable with the dv\_on option.

An error message similar to the following appears in the \$ORACLE\_HOME/av/log/avca.log file:

```
0/12/09 04:44:48      ld: 0706-021 The wait() system call failed.
10/12/09 04:44:48      ld:wait(): There are no child processes.
10/12/09 04:44:48      make: 1254-004 The error code from the last command is
                        255.
10/12/09 04:44:48
10/12/09 04:44:48
10/12/09 04:44:48      Stop.
```

Because of this error, Oracle Database Vault is not enabled at the end of the Audit Vault Release 10.2.3.2 installation on AIX 5L.

**Workaround:** After you complete the Audit Vault Server installation, follow the procedure in [Section 2.7.1, "Restarting the Audit Vault Server on AIX 5L."](#) Afterwards,

you can install the Audit Vault agent, as described in [Section 3, "Installing the Oracle Audit Vault Patch Set on the Audit Vault Agent."](#)

This issue is tracked with Oracle bug 9029325.

## 6.4 Microsoft Windows Platform

There are no known issues for Oracle Audit Vault on the Microsoft Windows platform.

## 7 General Administration and Configuration Issues

This section contains:

- [Errors in the Data Changes Report](#)
- [Audit Vault Reports Can Fail When Applying Filters](#)

### 7.1 Errors in the Data Changes Report

The Data Changes Report in Audit Vault Console fails with the following errors when the before and after values that the report attempts to capture are too large:

- ORA-01489: result of string concatenation is too long
- ORA-06502: PL/SQL: numeric or value error: character string buffer too small

**Workaround:** None

This issue is tracked with Oracle bug 9055316.

### 7.2 Audit Vault Reports Can Fail When Applying Filters

The Audit Vault reports can fail when you try to apply a simple filter such as the following:

```
User = username
```

An error similar to the following appears in the Audit Vault Console:

```
{"dialog":{"uv":true,"row":[{"V":"Widget FailureORA-06502: PL/SQL: numeric or value error:character string buffer too small,worksheet"}]}}
```

The Data Access Report has a similar problem: it fails on the column TARGET if you try to apply a filter similar to the following:

```
"Target != 'CUSTOMNAME' "
```

This problem can also occur with NOT filters.

**Workaround:** Download patch number 7564548 from My Oracle Support (formerly OracleMetaLink), from the following Web site:

<http://metalink.oracle.com>

This issue is tracked with Oracle bug 7564548.

## 8 Source Configuration Issues

There are no known source configuration issues at this time.

## 9 Collector Configuration Issues

This section contains:

- [OSAUD Collector Fails with ORA-00600 Error](#)
- [avorcldb add\\_collector for REDO Collector Fails on 9.2.0.8 Source Database](#)

### 9.1 OSAUD Collector Fails with ORA-00600 Error

Intermittently, the OSAUD collector fails with an error similar to the following:

```
INFO @ '03/06/2009 01:50:01 02:00':  
File /oracle/admin/mau/adump/mau_ora_17373_1.xml not found in hash  
table, Adding..  
ERROR @ '03/06/2009 01:50:43 02:00':  
On line 2101; ORA-00600: Interner Fehlercode, Argumente: [], [], [], [], [],  
[], [], []
```

**Workaround:** Restart the collector.

1. Open a shell and then set the environment variables for the Audit Vault Server.  
See "Setting the Audit Vault Server Linux and UNIX Environment Variables" in *Oracle Audit Vault Administrator's Guide*.

2. Run the `avctl start_collector` command.

For example:

```
$ avctl start_collector -collname OSAUD_Collector -srcname my_db
```

This issue is tracked with Oracle bug 8645192.

### 9.2 avorcldb add\_collector for REDO Collector Fails on 9.2.0.8 Source Database

The `avorcldb add_collector` command for REDO collectors fails on Oracle9i Release 2 (9.2.0.8) source databases. When you try to add a REDO collector type, the following error message appears:

```
ERROR: ORA-00904: "PLATFORM_NAME": invalid identifier/
```

**Workaround:** None

This issue is tracked with Oracle bug 9066182.

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Oracle Audit Vault Release Notes, Patch Set 2 Release 10.2.3.2  
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