

ArcSight™ Oracle Patch Set Update (PSU) Release Notes

July 2012

Patch Set Updates (PSUs) are available under Oracle's Critical Patch Update (CPU) program. PSUs include the security fixes available in CPUs and critical bug fixes in a single patch. Oracle announces PSU releases a year in advance, scheduled for January, April, July, and October. ArcSight certifies the quarterly PSUs with ArcSight ESM on the applicable platforms Oracle provides. The platforms for which this PSU has been certified are listed below.

Apply this PSU by following the instructions starting on [page 3](#). Visit the HP SSO site (<http://support.openview.hp.com>) to get the correct Oracle PSU package and OPatch for your environment. For more information on Patch Set Updates and Critical Patch Updates, refer to the Oracle web site.

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Certified ESM Versions

The Oracle PSU for July, 2012 is certified for use with ArcSight ESM™ v5.2 and ArcSight ESM™ v5.0 SP2 with their latest patches. If you are on an earlier release of ESM, please refer to prior PSU release notes to see which one is certified with that release.

Oracle 10.2.0.4

As of this printing, Oracle has provided April 2012 PSU certification with Oracle 10.2.0.4 for these platforms:

Platform	PSU April 2012 Patch for 10.2.0.4
AIX	p12879933_10204_AIX5L.zip
Linux 32	p12879933_10204_Linux-x86.zip
Linux x86-64	p12879933_10204_Linux-x86-64.zip
Solaris 64	p12879933_10204_Solaris-64.zip

For customers who wish to use Oracle PSU on the remaining available platforms, see the following from July 2011:

Platform	PSU July 2011 Patch for 10.2.0.4
Windows 32	p12429519_10204_Win32.zip
Windows 64 (AMD64-EM64T)	p12429521_10204_MSWIN-x86-64.zip

As of this printing, Oracle has provided April 2012 OPatch certification with Oracle 10.2.0.4 for these platforms:

Platform	PSU April 2012 Patch for 10.2.0.4
AIX 64	p6880880_102000_AIX64-5L.zip
Linux 32	p6880880_102000_LINUX.zip
Linux x86-64	p6880880_102000_Linux-x86-64.zip
Solaris 64	p6880880_102000_SOLARIS64.zip

For customers who wish to use Oracle OPatch on the remaining available platforms, see the following from July 2011:

Platform	OPatch July 2011 for 10.2.0.4
Windows 32	p6880880_102000_WINNT.zip
Windows 64 (AMD64-EM64T)	p6880880_102000_MSWIN-x86-64.zip

Oracle 11.2.0.1

As of this printing, Oracle has provided July 2011 PSU certification with Oracle 11.2.0.1 for these platforms:

Platform	PSU July 2011 Patch for 11.2.0.1
Windows 32	p12429528_112010_WINNT.zip
Windows 64 (AMD64-EM64T)	p12429529_112010_MSWIN-x86-64.zip

As of this printing, Oracle has provided July 2011 OPatch certification with Oracle 11.2.0.1 for these platforms:

Platform	OPatch July 2011 for 11.2.0.1
Windows 32	p6880880_112000_WINNT.zip
Windows 64 (AMD64-EM64T)	p6880880_112000_MSWIN-x86-64.zip

Oracle 11.2.0.2

Oracle has provided July 2012 PSU certification with Oracle 11.2.0.2 for these platforms:

Platform	PSU July 2012 Patch for 11.2.0.2
AIX 64	p13923804_112020_AIX64-5L.zip
Linux 32	p13923804_112020_LINUX.zip
Linux x86-64	p13923804_112020_Linux-x86-64.zip
Solaris 64	p13923804_112020_SOLARIS64.zip
Windows 32	p14134042_112020_WINNT.zip
Windows 64 (AMD64-EM64T)	p14134043_112020_MSWIN-x86-64.zip

Oracle has provided July 2012 OPatch certification with Oracle 11.2.0.2 for these platforms:

Platform	PSU July 2012 Patch for 11.2.0.2
AIX 64	p6880880_112000_AIX64-5L.zip
Linux 32	p6880880_112000_LINUX.zip
Linux x86-64	p6880880_112000_Linux-x86-64.zip
Solaris 64	p6880880_112000_SOLARIS64.zip
Windows 32	p6880880_112000_WINNT.zip
Windows 64 (AMD64-EM64T)	p6880880_112000_MSWIN-x86-64.zip

To Apply the PSU

If you have been applying Oracle CPUs previously, follow the steps below to apply the PSU.



If you have been previously applying the Oracle Critical Patch Update (CPU), you can follow these steps to apply the PSU. However, once you apply a PSU, Oracle recommends that you continue to apply PSUs in the future instead of CPUs.

- From the HP Software Support Online site (<http://support.openview.hp.com>), download both the Oracle PSU and OPatch:
 - Download the correct Oracle PSU package for your platform (see the tables above) and unzip it under your working directory.
 - Download the Oracle 10g or 11g OPatch file for your platform.
- Install the OPatch:
 - Review the [Readme.txt](#) file in the OPatch zip archive.
 - Extract the contents of the OPatch zip file under `$ORACLE_HOME`.
- Stop the ArcSight Manager and Partition Archiver, and also stop the Oracle instance and TNS Listener. Additionally for Windows, stop the Distributed Transaction Coordinator service if it is running.
- Set the OPatch binary in PATH.

- 5 Read the next section in this document, [“Workarounds for Known Issues in Oracle PSU” on page 4](#).
- 6 Install the PSU (that you downloaded in [Step 1](#)) according to the steps outlined in the [README](#) in the PSU zip package for your platform.

If you are using Oracle 10.2.0.4 on UNIX, review the [Readme.html](#) for the PSU to see if you need to install Patch 9352164. Patch 9352164 is available on the Customer Support site.

Follow the Oracle instructions to apply the patch.

- 7 Replace references to “OPatch” in the commands with `$ARCSIGHT_HOME/bin/arcdbutil patch`

where `$ARCSIGHT_HOME` refers to the location where you have installed the ArcSight Database software.

For example, if the [Readme.html](#) says:

```
>OPatch apply
```

Then use this command instead:

```
$ARCSIGHT_HOME/bin/arcdbutil patch apply
```



More information about Oracle-specific steps is provided in the README that accompanies the Oracle PSU. Be sure to review the README carefully and follow those instructions.

- 8 Follow the “Post Installation Instructions...” steps in the [Readme.html](#).
- 9 If you are not on Windows, proceed to step 10. After applying the Windows Bundle Patch 20 on Oracle 11.2.0.2 on Windows platform, perform the following steps:
 - a Start the database and listener.
 - b Issue the following commands on the Command line:

```
In Arcsight DB host:
%ARCSIGHT_HOME%\bin\arcdbutil sql / as sysdba
SQL> @?\rdbms\admin\catproc
SQL> QUIT
```

- 10 Restart the database, TNS Listener, Partition Archiver, and ArcSight Manager.

Workarounds for Known Issues in Oracle PSU

The following sections provide workarounds for issues related to the Oracle PSU on different platforms.

Windows for Oracle 10g

In some cases, the PSU application can fail with this error:

```
OUI-67124:Copy failed from "<source>" to "<destination>"
OPatch failed with error code 115
```

This error occurs when there are other processes running that lock the file in question. The processes that cause the lock might be related to Oracle. As a workaround, reboot the machine and try again.

Linux - Using a Large Instance

If the ArcSight Database is running on 32-bit Linux with the SMP kernel and the system is configured to use 2-4 GB of memory (the default for the Large template), do the following after applying an Oracle Patch or Patch Set (for example, a Critical Patch Update or patch set for 10.2.0.4) to your Database.

- 1 Log into the database machine as the Oracle software owner (by default, Oracle).
- 2 Shut down the Oracle database, the TNS Listener, and all other Oracle services (if any).
- 3 Run these commands:

```
cd $ORACLE_HOME/rdbms/lib
mv ksms.s ksms.s.org; mv ksms.o ksms.o.org
$ORACLE_HOME/bin/genksms -s 0x15000000 > ksms.s
make -f ins_rdbms.mk ksms.o
make -f ins_rdbms.mk ioracle
```

- 4 Restart the database server and the TNS Listener.

Restarting the database server enables the ArcSight Database to utilize the extended memory. Oracle cannot restart if this procedure is not followed. If the above commands display errors, call Customer Support. If you are using your own Oracle software license, contact Oracle.

Unix - Ignore Failure Message during PSU Pre-installation Steps

During the PSU pre-installation procedures from the [Readme.html](#) file, when running the command

```
opatch prereq CheckConflictAgainstOHWithDetail -phBaseDir ./<patch version>
```

you might get the message:

```
Prereq "checkConflictAgainstOHWithDetail" failed.
Summary of Conflict Analysis:
```

...followed by some conflict messages.

You can safely ignore these messages.

- The `<patch version>` is the patch release version from the [Readme.html](#) file. Make sure you are using the correct [Readme.html](#) file from the zip for your Unix operating system.
- The `<patch version>` is also the name of the folder into which the PSU zip file is extracted.

For further assistance, contact HP Customer Support at <http://support.openview.hp.com>.

Solaris - Many Invalid Objects after PSU Installation

If there are any invalid objects after the PSU installation, do the following.

```
PROMPT> cd $ORACLE_HOME/rdbms/admin
PROMPT> sqlplus /nolog
SQL> CONNECT / AS SYSDBA
SQL> @utlrlp.sql
SQL> SELECT OBJECT_NAME FROM DBA_OBJECTS WHERE STATUS = 'INVALID';
```

if any invalid objects are still reported, manually recompile any invalid objects.

```
SQL> alter package <schemaname>.<packagename> compile;
SQL> QUIT
```

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