

Patch 14275572 - 11.2.0.3.4 GI Patch Set Update (Includes Database PSU 11.2.0.3.4)

--Upgrade opatch version by first deleting OH of grid and oracle users OPatch contents without deleting Opatch directory. And extracting version 11.2.0.3.3 zip file in OH folder.

Grid OH OPatch update can be done as followed:

Opatch utility, version 11.2.0.3.3, filename p6880880_112000_Linux-x86-64.zip

```
[root@lagunal:/u01/orainst/patch]# cp p6880880_112000_Linux-x86-64.zip
/u01/app/11.2.0/grid/
[root@lagunal:/u01/orainst/patch]# chown grid:oinstall
/u01/app/11.2.0/grid/p6880880_112000_Linux-x86-64.zip
[root@lagunal:/u01/orainst/patch]#
```

```
[root@lagunal:/u01/app/11.2.0/grid/OPatch]# rm -rf *
```

```
[grid@lagunal grid]$ cd OPatch/
[grid@lagunal OPatch]$ ls -ltr
total 0
[grid@lagunal OPatch]$ cd ..
```

```
[grid@lagunal grid]$ unzip p6880880_112000_Linux-x86-64.zip
Archive:  p6880880_112000_Linux-x86-64.zip
  creating: OPatch/oplan/
  inflating: OPatch/oplan/README.html
  inflating: OPatch/oplan/README.txt
  creating: OPatch/oplan/jlib/
  inflating: OPatch/oplan/jlib/oplan.jar
  inflating: OPatch/oplan/jlib/oracle.oplan.classpath.jar
  inflating: OPatch/oplan/jlib/automation.jar
  ...
  inflating: OPatch/ocm/lib/osdt_core3.jar
  inflating: OPatch/ocm/lib/osdt_jce.jar
  inflating: OPatch/ocm/lib/regexp.jar
  inflating: OPatch/ocm/lib/xmlparserv2.jar
  extracting: OPatch/ocm/ocm.zip
  inflating: OPatch/ocm/ocm_platforms.txt
```

```
[grid@lagunal grid]$ ls -ltr OPatch/
total 136
-rw-rw-r-- 1 grid oinstall 2576 Dec  4 21:33 opatch.pl
-rw-rw-r-- 1 grid oinstall  49 Dec  4 21:33 opatch.ini
-rwxrwxr-x 1 grid oinstall 9352 Dec  4 21:33 opatchdiag.bat
-rwxrwxr-x 1 grid oinstall 10056 Dec  4 21:33 opatchdiag
-rwxrwxr-x 1 grid oinstall 19867 Dec  4 21:33 opatch.bat
-rwx--x--- 1 grid oinstall 31493 Dec  4 21:33 opatch
-rw-rw-r-- 1 grid oinstall 23695 Dec  4 21:33 emdpatch.pl
drwxrwxr-x 2 grid oinstall 4096 Dec  4 21:33 docs
-rwxrwxr-x 1 grid oinstall 2991 Dec  4 21:33 README.txt
drwxrwxr-x 3 grid oinstall 4096 Dec  4 21:33 jlib
drwxrwxr-x 3 grid oinstall 4096 Dec  4 21:33 crs
drwxrwxr-x 3 grid oinstall 4096 Dec  4 21:33 oplan
drwxrwxr-x 4 grid oinstall 4096 Dec  4 21:33 opatchprereqs
drwxrwxr-x 5 grid oinstall 4096 Dec  4 21:33 ocm
...
```

```
[grid@lagunal OPatch]$ cd /u01/app/11.2.0/grid/OPatch
[grid@lagunal OPatch]$ ./opatch version
OPatch Version: 11.2.0.3.3
```

```
OPatch succeeded.
[grid@lagunal OPatch]$
```

2.1.4 Unzipping the Patch

```
[grid@lagunal psu4]$ pwd
/u01/orainst/psu4
[grid@lagunal psu4]$ ls -ltr
total 384900
-rw-r--r-- 1 grid oinstall 394000689 Jan  3 16:38 p14275572_112030_Linux-x86-64.zip
[grid@lagunal psu4]$ unzip *zip
...
inflating: 14275605/13923374/files/lib/libserver11.a/tbsdrv.o
inflating: 14275605/13923374/files/lib/libserver11.a/qesrc.o
inflating: 14275605/13923374/files/lib/libserver11.a/kjbr.o
inflating: 14275605/13923374/files/lib/libserver11.a/kkt.o
inflating: 14275605/13923374/files/lib/libserver11.a/kkpod.o
inflating: 14275605/13923374/files/lib/libserver11.a/kjbl.o
inflating: 14275605/13923374/files/lib/libserver11.a/kql.o
  creating: 14275605/13923374/files/lib/libgeneric11.a/
inflating: 14275605/13923374/files/lib/libgeneric11.a/kgl4.o
inflating: 14275605/13923374/files/lib/libgeneric11.a/kgl.o
inflating: 14275605/13923374/files/lib/libgeneric11.a/kgl2.o
  creating: 14275605/13923374/files/lib/libn11.a/
inflating:
...
[grid@lagunal psu4]$ ls -ltr
total 384900
-rw-r--r-- 1 grid oinstall      21 Oct 12  2012 README.txt
-rw-r--r-- 1 grid oinstall    450 Oct 12  2012 bundle.xml
drwxrwxr-x 6 grid oinstall  4096 Oct 12  2012 14275605
drwxr-xr-x 5 grid oinstall  4096 Oct 12  2012 14275572
-rw-rw-r-- 1 grid oinstall 111737 Oct 15  2012 README.html
-rw-r--r-- 1 grid oinstall 394000689 Jan  3 16:38 p14275572_112030_Linux-x86-64.zip
[grid@lagunal psu4]$
```

2.2 One-off Patch Conflict Detection and Resolution

--execute with grid user

```
/u01/app/11.2.0/grid/OPatch/opatch prereq CheckConflictAgainstOHWithDetail -ph
/u01/orainst/psu4/14275605 -oh /u01/app/11.2.0/grid
```

--execute with oracle user

```
/u01/app/oracle/product/11.2.0/dbhome_1/OPatch/opatch prereq
CheckConflictAgainstOHWithDetail -ph /u01/orainst/psu4/14275605 -oh
/u01/app/oracle/product/11.2.0/dbhome_1
```

--execute with grid user

```
/u01/app/11.2.0/grid/OPatch/opatch prereq CheckConflictAgainstOHWithDetail -
phBaseDir /u01/orainst/psu4/14275572 -oh /u01/app/11.2.0/grid
```

--execute with oracle user

```
/u01/app/oracle/product/11.2.0/dbhome_1/OPatch/opatch prereq  
CheckConflictAgainstOHWithDetail -phBaseDir  
/u01/orainst/psu4/14275572/custom/server/14275572 -oh  
/u01/app/oracle/product/11.2.0/dbhome_1
```

You can find execution output of above patch conflict control as below:

```
[grid@lagunal psu4]$ /u01/app/11.2.0/grid/OPatch/opatch prereq  
CheckConflictAgainstOHWithDetail -ph /u01/orainst/psu4/14275605 -oh  
/u01/app/11.2.0/grid  
Oracle Interim Patch Installer version 11.2.0.3.3  
Copyright (c) 2012, Oracle Corporation. All rights reserved.
```

PREREQ session

```
Oracle Home      : /u01/app/11.2.0/grid  
Central Inventory : /u01/app/oraInventory  
  from           : /u01/app/11.2.0/grid/oraInst.loc  
OPatch version   : 11.2.0.3.3  
OUI version      : 11.2.0.3.0  
Log file location : /u01/app/11.2.0/grid/cfgtoollogs/opatch/opatch2013-05-27_14-39-  
11PM_1.log
```

Invoking prereq "checkconflictagainsthwithdetail"

Prereq "checkConflictAgainstOHWithDetail" passed.

OPatch succeeded.

[grid@lagunal psu4]\$

```
[oracle@lagunal OPatch]$ /u01/app/oracle/product/11.2.0/dbhome_1/OPatch/opatch  
prereq CheckConflictAgainstOHWithDetail -ph /u01/orainst/psu4/14275605 -oh  
/u01/app/oracle/product/11.2.0/dbhome_1  
Oracle Interim Patch Installer version 11.2.0.3.3  
Copyright (c) 2012, Oracle Corporation. All rights reserved.
```

PREREQ session

```
Oracle Home      : /u01/app/oracle/product/11.2.0/dbhome_1  
Central Inventory : /u01/app/oraInventory  
  from           : /u01/app/oracle/product/11.2.0/dbhome_1/oraInst.loc  
OPatch version   : 11.2.0.3.3  
OUI version      : 11.2.0.3.0  
Log file location :  
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/opatch/opatch2013-05-27_14-44-  
04PM_1.log
```

Invoking prereq "checkconflictagainsthwithdetail"

Prereq "checkConflictAgainstOHWithDetail" passed.

OPatch succeeded.

[oracle@lagunal OPatch]\$

```
[grid@lagunal psu4]$ /u01/app/11.2.0/grid/OPatch/opatch prereq
CheckConflictAgainstOHWithDetail -phBaseDir /u01/orainst/psu4/14275572 -oh
/u01/app/11.2.0/grid
Oracle Interim Patch Installer version 11.2.0.3.3
Copyright (c) 2012, Oracle Corporation. All rights reserved.
```

PREREQ session

```
Oracle Home      : /u01/app/11.2.0/grid
Central Inventory : /u01/app/oraInventory
  from           : /u01/app/11.2.0/grid/oraInst.loc
OPatch version   : 11.2.0.3.3
OUI version      : 11.2.0.3.0
Log file location : /u01/app/11.2.0/grid/cfgtoollogs/opatch/opatch2013-05-27_14-47-
32PM_1.log
```

Invoking prereq "checkconflictagainsthwithdetail"

Prereq "checkConflictAgainstOHWithDetail" passed.

OPatch succeeded.

```
[grid@lagunal psu4]$
```

```
[oracle@lagunal OPatch]$ /u01/app/oracle/product/11.2.0/dbhome_1/OPatch/opatch
prereq CheckConflictAgainstOHWithDetail -phBaseDir
/u01/orainst/psu4/14275572/custom/server/14275572 -oh
/u01/app/oracle/product/11.2.0/dbhome_1
Oracle Interim Patch Installer version 11.2.0.3.3
Copyright (c) 2012, Oracle Corporation. All rights reserved.
```

PREREQ session

```
Oracle Home      : /u01/app/oracle/product/11.2.0/dbhome_1
Central Inventory : /u01/app/oraInventory
  from           : /u01/app/oracle/product/11.2.0/dbhome_1/oraInst.loc
OPatch version   : 11.2.0.3.3
OUI version      : 11.2.0.3.0
Log file location :
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/opatch/opatch2013-05-27_14-48-
13PM_1.log
```

Invoking prereq "checkconflictagainsthwithdetail"

Prereq "checkConflictAgainstOHWithDetail" passed.

OPatch succeeded.

```
[oracle@lagunal OPatch]$
```

Patching

Case 1.1.2B: Patching the GI Home and the Database Home Together, the GI Home Is Not Shared, the Database Home Is Not Shared, ACFs May Be Used

For each node, perform the following steps:

1. On the local node, unmount the ACFS file systems. Use instructions in [Section 2.8](#) for unmounting ACFS file systems.
2. On the local node, apply the patch to the GI home and to the Database home.

As root user, execute the following command:

```
# opatch auto <UNZIPPED_PATCH_LOCATION> -ocmrf <ocm response file>
```

This operation will patch both the CRS home and the Database home.

3. If the message, "A system reboot is recommended before using ACFS" is shown, then a reboot must be issued before continuing. Failure to do so will result in running with an unpatched ACFS\ADVM\OKS driver.
4. The `opatch auto` command will restart the stack on the local node and restart the Databases on the local node.
5. Repeat Steps 1 through 3 for all remaining nodes of the cluster.

```
[root@laguna1:/u01/orainst/psu4]# /u01/app/11.2.0/grid/OPatch/opatch auto
Executing /u01/app/11.2.0/grid/perl/bin/perl
/u01/app/11.2.0/grid/OPatch/crs/patch11203.pl -patchdir /u01/orainst -patchn psu4 -
paramfile /u01/app/11.2.0/grid/crs/install/crsconfig_params
/u01/app/11.2.0/grid/crs/install/crsconfig_params
/u01/app/11.2.0/grid/crs/install/s_crsconfig_defs
```

This is the main log file: /u01/app/11.2.0/grid/cfgtoollogs/opatchauto2013-05-27_14-55-55.log

This file will show your detected configuration and all the steps that opatchauto attempted to do on your system: /u01/app/11.2.0/grid/cfgtoollogs/opatchauto2013-05-27_14-55-55.report.log

```
2013-05-27 14:55:55: Starting Clusterware Patch Setup
Using configuration parameter file:
/u01/app/11.2.0/grid/crs/install/crsconfig_params
OPatch is bundled with OCM, Enter the absolute OCM response file path:
```

```
Invalid response file path, To regenerate an OCM response file run
/u01/app/11.2.0/grid/OPatch/ocm/bin/emocmrsp
[root@laguna1:/u01/orainst/psu4]# /u01/app/11.2.0/grid/OPatch/ocm/bin/emocmrsp
OCM Installation Response Generator 10.3.4.0.0 - Production
Copyright (c) 2005, 2010, Oracle and/or its affiliates. All rights reserved.
```

```
Provide your email address to be informed of security issues, install and
initiate Oracle Configuration Manager. Easier for you if you use your My
Oracle Support Email address/User Name.
Visit http://www.oracle.com/support/policies.html for details.
Email address/User Name:
```

```
You have not provided an email address for notification of security issues.
Do you wish to remain uninformed of security issues ([Y]es, [N]o) [N]: y
The OCM configuration response file (ocm.rsp) was successfully created.
[root@laguna1:/u01/orainst/psu4]#
```

```
[root@laguna1:/u01/orainst/psu4]# ls -ltr
total 384904
-rw-r--r-- 1 grid oinstall      21 Oct 12  2012 README.txt
-rw-r--r-- 1 grid oinstall    450 Oct 12  2012 bundle.xml
```

```

drwxrwxr-x 6 grid oinstall      4096 Oct 12  2012 14275605
drwxr-xr-x 5 grid oinstall      4096 Oct 12  2012 14275572
-rw-rw-r-- 1 grid oinstall     111737 Oct 15  2012 README.html
-rw-r--r-- 1 grid oinstall 394000689 Jan  3 16:38 p14275572_112030_Linux-x86-64.zip
-rw-r--r-- 1 root root          621 May 27 14:56 ocm.rsp
[root@lagunal:/u01/orainst/psu4]#

```

ocm.rsp is a binary file.

```
/u01/app/11.2.0/grid/OPatch/opatch auto -ocmrf /u01/orainst/psu4/ocm.rsp
```

Execution of patch as follows:

```

[root@lagunal:/u01/orainst]# /u01/app/11.2.0/grid/OPatch/opatch auto
/u01/orainst/psu4 -ocmrf /home/oracle/ocm.rsp
Executing /u01/app/11.2.0/grid/perl/bin/perl
/u01/app/11.2.0/grid/OPatch/crs/patch11203.pl -patchdir /u01/orainst -patchn psu4 -
ocmrf /home/oracle/ocm.rsp -paramfile
/u01/app/11.2.0/grid/crs/install/crsconfig_params
/u01/app/11.2.0/grid/crs/install/crsconfig_params
/u01/app/11.2.0/grid/crs/install/s_crsconfig_defs

```

This is the main log file: /u01/app/11.2.0/grid/cfgtoollogs/opatchauto2013-05-28_11-23-58.log
This file will show your detected configuration and all the steps that opatchauto attempted to do on your system: /u01/app/11.2.0/grid/cfgtoollogs/opatchauto2013-05-28_11-23-58.report.log

```

2013-05-28 11:23:58: Starting Clusterware Patch Setup
Using configuration parameter file:
/u01/app/11.2.0/grid/crs/install/crsconfig_params
...
CRS-2673: Attempting to stop 'ora.crf' on 'lagunal'
CRS-2677: Stop of 'ora.crf' on 'lagunal' succeeded
CRS-2673: Attempting to stop 'ora.gipcd' on 'lagunal'
CRS-2677: Stop of 'ora.gipcd' on 'lagunal' succeeded
CRS-2673: Attempting to stop 'ora.gpnpd' on 'lagunal'
CRS-2677: Stop of 'ora.gpnpd' on 'lagunal' succeeded
CRS-2793: Shutdown of Oracle High Availability Services-managed resources on
'lagunal' has completed
CRS-4133: Oracle High Availability Services has been stopped.
Successfully unlock /u01/app/11.2.0/grid
patch /u01/orainst/psu4/14275572 apply successful for home /u01/app/11.2.0/grid

patch /u01/orainst/psu4/14275605 apply successful for home /u01/app/11.2.0/grid
CRS-4123: Oracle High Availability Services has been started.
[root@lagunal:/u01/orainst]#

```

```

[oracle@lagunal dbhome_1]$ OPatch/opatch lsinventory
Oracle Interim Patch Installer version 11.2.0.3.3
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```

```

Oracle Home      : /u01/app/oracle/product/11.2.0/dbhome_1
Central Inventory : /u01/app/oraInventory
  from            : /u01/app/oracle/product/11.2.0/dbhome_1/oraInst.loc

```

OPatch version : 11.2.0.3.3
OUI version : 11.2.0.3.0
Log file location :
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/opatch/opatch2013-05-28_11-47-10AM_1.log

Lsinventory Output file location :
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/opatch/lsinv/lsinventory2013-05-28_11-47-10AM.txt

Installed Top-level Products (1):

Oracle Database 11g 11.2.0.3.0
There are 1 products installed in this Oracle Home.

There are no Interim patches installed in this Oracle Home.

Rac system comprising of multiple nodes

Local node = laguna1
Remote node = laguna2

OPatch succeeded.

[oracle@laguna1 dbhome_1]\$

[grid@laguna1 psu4]\$ /u01/app/11.2.0/grid/OPatch/opatch lsinventory
Oracle Interim Patch Installer version 11.2.0.3.3
Copyright (c) 2012, Oracle Corporation. All rights reserved.

Oracle Home : /u01/app/11.2.0/grid
Central Inventory : /u01/app/oraInventory
from : /u01/app/11.2.0/grid/oraInst.loc
OPatch version : 11.2.0.3.3
OUI version : 11.2.0.3.0
Log file location : /u01/app/11.2.0/grid/cfgtoollogs/patch/opatch2013-05-28_11-46-48AM_1.log

Lsinventory Output file location :
/u01/app/11.2.0/grid/cfgtoollogs/patch/lsinv/lsinventory2013-05-28_11-46-48AM.txt

Installed Top-level Products (1):

Oracle Grid Infrastructure 11.2.0.3.0
There are 1 products installed in this Oracle Home.

Interim patches (2) :

Patch 14275605 : applied on Tue May 28 11:30:52 EEST 2013
Unique Patch ID: 15379762
Patch description: "Database Patch Set Update : 11.2.0.3.4 (14275605)"
Created on 3 Oct 2012, 18:38:19 hrs PST8PDT
Sub-patch 13923374; "Database Patch Set Update : 11.2.0.3.3 (13923374)"

Sub-patch 13696216; "Database Patch Set Update : 11.2.0.3.2 (13696216)"
Sub-patch 13343438; "Database Patch Set Update : 11.2.0.3.1 (13343438)"

Bugs fixed:

14480676, 13566938, 13419660, 10350832, 13632717, 14063281, 12919564
13624984, 13430938, 13467683, 13588248, 13420224, 14548763, 13080778
12646784, 13804294, 12861463, 12834027, 13377816, 13036331, 12880299
14664355, 13499128, 14409183, 12998795, 12829021, 13492735, 12794305
13503598, 10133521, 12718090, 13742433, 12905058, 12401111, 13742434
13257247, 12849688, 13362079, 12950644, 13742435, 13464002, 12917230
13923374, 12879027, 14613900, 12585543, 12535346, 14480675, 12588744
11877623, 14480674, 13916709, 12847466, 13773133, 14076523, 13649031
13340388, 13366202, 13528551, 13981051, 12894807, 13343438, 12582664
12748240, 12797765, 13385346, 12923168, 13384182, 13612575, 13466801
13484963, 12971775, 11063191, 13772618, 13070939, 12797420, 13035804
13041324, 12976376, 11708510, 13742437, 13737746, 14062795, 13035360
12693626, 13742438, 13326736, 13332439, 14038787, 14062796, 12913474
13001379, 14390252, 13099577, 13370330, 13059165, 14062797, 14275605
9873405, 13742436, 9858539, 14062794, 13358781, 12960925, 13699124
12662040, 9703627, 12617123, 13338048, 12938841, 12658411, 12620823
12845115, 12656535, 14062793, 12678920, 12764337, 13354082, 13397104
14062792, 13250244, 12594032, 9761357, 12612118, 13742464, 13550185
13457582, 13527323, 12780983, 12583611, 13502183, 12780098, 13705338
13696216, 13476583, 11840910, 13903046, 13572659, 13718279, 13554409
13657605, 13103913, 14063280

Patch 14275572 : applied on Tue May 28 11:29:05 EEST 2013

Unique Patch ID: 15379762

Patch description: "Grid Infrastructure Patch Set Update : 11.2.0.3.4 (14275572)"

Created on 12 Oct 2012, 00:27:42 hrs PST8PDT

Bugs fixed:

14275572, 13919095, 13696251, 13348650, 12659561, 13039908, 13825231
13036424, 12794268, 13011520, 13569812, 12758736, 13000491, 13498267
13077654, 13001901, 13550689, 13430715, 13806545, 11675721, 14082976
12771830, 12538907, 13947200, 13066371, 13483672, 12594616, 13540563
12897651, 12897902, 13241779, 12896850, 12726222, 12829429, 12728585
13079948, 12876314, 13090686, 12925041, 12995950, 13251796, 12650672
12398492, 12848480, 13582411, 13652088, 12990582, 13857364, 12975811
12917897, 13082238, 12947871, 13037709, 13371153, 12878750, 10114953
11772838, 13058611, 13001955, 11836951, 12965049, 13440962, 12765467
13727853, 13425727, 12885323, 13965075, 13339443, 12784559, 13332363
13074261, 12971251, 13811209, 12709476, 13460353, 13523527, 12857064
13719731, 13396284, 12899169, 13111013, 13323698, 12867511, 12639013
12959140, 13085732, 12829917, 10317921, 13843080, 12934171, 12849377
12349553, 13924431, 13869978, 12680491, 12914824, 13789135, 12730342
13334158, 12950823, 10418841, 13355963, 13531373, 13776758, 12720728
13620816, 13002015, 13023609, 13024624, 12791719, 13886023, 13255295
13821454, 12782756, 14625969, 14152875, 14186070, 12873909, 14214257
12914722, 13243172, 12842804, 13045518, 12765868, 12772345, 12663376
13345868, 14059576, 13683090, 12932852, 13889047, 12695029, 13146560
13038806, 14251904, 14070200, 13820621, 14304758, 13396356, 13697828
13258062, 12834777, 12996572, 13941934, 13657366, 13019958, 12810890
13888719, 13502441, 13726162, 13880925, 14153867, 13506114, 12820045
13604057, 12823838, 13877508, 12823042, 14494305, 13582706, 13617861
12825835, 13263435, 13025879, 13853089, 14009845, 13410987, 13570879
13637590, 12827493, 13247273, 13068077

Rac system comprising of multiple nodes

Local node = laguna1
Remote node = laguna2

```
OPatch succeeded.  
[grid@laguna1 psu4]$  
[oracle@laguna2 OPatch]$ ./opatch lsinventory  
Oracle Interim Patch Installer version 11.2.0.3.3  
Copyright (c) 2012, Oracle Corporation. All rights reserved.
```

```
Oracle Home      : /u01/app/oracle/product/11.2.0/dbhome_1  
Central Inventory : /u01/app/oraInventory  
  from           : /u01/app/oracle/product/11.2.0/dbhome_1/oraInst.loc  
OPatch version   : 11.2.0.3.3  
OUI version      : 11.2.0.3.0  
Log file location :  
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/opatch/opatch2013-05-28_12-05-05PM_1.log
```

```
Lsinventory Output file location :  
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/opatch/lsinv/lsinventory2013-05-28_12-05-05PM.txt
```

Installed Top-level Products (1):

```
Oracle Database 11g                                11.2.0.3.0
```

There are 1 products installed in this Oracle Home.

There are no Interim patches installed in this Oracle Home.

Rac system comprising of multiple nodes

```
Local node = laguna2  
Remote node = laguna1
```

```
OPatch succeeded.  
[oracle@laguna2 OPatch]$
```

As you could see, database home was not patched.
This seems to related with bug below:

In order to patch database home, issue below opatch installation:

Bug 15998571 : OPATCH - ONLY APPLYS GI PSU NOT DB PSU README STATES BOTH INCLUDED (13987807)

```
[root@laguna2:/u01/orainst/psu4]#
/u01/app/oracle/product/11.2.0/dbhome_1/OPatch/opatch auto /u01/orainst/psu4 -oh
/u01/app/oracle/product/11.2.0/dbhome_1 -ocmrf /u01/orainst/psu4/ocm.rsp
Executing /u01/app/11.2.0/grid/perl/bin/perl
/u01/app/oracle/product/11.2.0/dbhome_1/OPatch/crs/patch11203.pl -patchdir
/u01/orainst -patchn psu4 -oh /u01/app/oracle/product/11.2.0/dbhome_1 -ocmrf
/u01/orainst/psu4/ocm.rsp -paramfile
/u01/app/11.2.0/grid/crs/install/crsconfig_params
/u01/app/11.2.0/grid/crs/install/crsconfig_params
/u01/app/11.2.0/grid/crs/install/s_crsconfig_defs
```

This is the main log file:

```
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/patchauto2013-05-28_16-35-59.log
```

This file will show your detected configuration and all the steps that patchauto attempted to do on your system:

```
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/patchauto2013-05-28_16-35-59.report.log
```

2013-05-28 16:35:59: Starting Clusterware Patch Setup

Using configuration parameter file:

```
/u01/app/11.2.0/grid/crs/install/crsconfig_params
```

```
patch /u01/orainst/psu4/14275572/custom/server/14275572 apply successful for home
/u01/app/oracle/product/11.2.0/dbhome_1
```

```
patch /u01/orainst/psu4/14275605 apply successful for home
```

```
/u01/app/oracle/product/11.2.0/dbhome_1
```

```
[root@laguna2:/u01/orainst/psu4]#
```

Checking with opatch lsinventory, whether db home patch is applied successfully, gives below output:

```
[oracle@laguna2 ~]$ /u01/app/oracle/product/11.2.0/dbhome_1/OPatch/opatch
lsinventory
```

Oracle Interim Patch Installer version 11.2.0.3.3

Copyright (c) 2012, Oracle Corporation. All rights reserved.

Oracle Home : /u01/app/oracle/product/11.2.0/dbhome_1

Central Inventory : /u01/app/oraInventory

from : /u01/app/oracle/product/11.2.0/dbhome_1/oraInst.loc

OPatch version : 11.2.0.3.3

OUI version : 11.2.0.3.0

Log file location :

```
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/patch/opatch/opatch2013-05-28_16-42-48PM_1.log
```

Lsinventory Output file location :

```
/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/patch/lsinv/lsinventory2013-05-28_16-42-48PM.txt
```

Installed Top-level Products (1):

Oracle Database 11g

11.2.0.3.0

There are 1 products installed in this Oracle Home.

Interim patches (2) :

Patch 14275605 : applied on Tue May 28 16:39:35 EEST 2013
Unique Patch ID: 15379762
Patch description: "Database Patch Set Update : 11.2.0.3.4 (14275605)"
Created on 3 Oct 2012, 18:38:19 hrs PST8PDT
Sub-patch 13923374; "Database Patch Set Update : 11.2.0.3.3 (13923374)"
Sub-patch 13696216; "Database Patch Set Update : 11.2.0.3.2 (13696216)"
Sub-patch 13343438; "Database Patch Set Update : 11.2.0.3.1 (13343438)"

Bugs fixed:

14480676, 13566938, 13419660, 10350832, 13632717, 14063281, 12919564
13624984, 13430938, 13467683, 13588248, 13420224, 14548763, 13080778
12646784, 13804294, 12861463, 12834027, 13377816, 13036331, 12880299
14664355, 13499128, 14409183, 12998795, 12829021, 13492735, 12794305
13503598, 10133521, 12718090, 13742433, 12905058, 12401111, 13742434
13257247, 12849688, 13362079, 12950644, 13742435, 13464002, 12917230
13923374, 12879027, 14613900, 12585543, 12535346, 14480675, 12588744
11877623, 14480674, 13916709, 12847466, 13773133, 14076523, 13649031
13340388, 13366202, 13528551, 13981051, 12894807, 13343438, 12582664
12748240, 12797765, 13385346, 12923168, 13384182, 13612575, 13466801
13484963, 12971775, 11063191, 13772618, 13070939, 12797420, 13035804
13041324, 12976376, 11708510, 13742437, 13737746, 14062795, 13035360
12693626, 13742438, 13326736, 13332439, 14038787, 14062796, 12913474
13001379, 14390252, 13099577, 13370330, 13059165, 14062797, 14275605
9873405, 13742436, 9858539, 14062794, 13358781, 12960925, 13699124
12662040, 9703627, 12617123, 13338048, 12938841, 12658411, 12620823
12845115, 12656535, 14062793, 12678920, 12764337, 13354082, 13397104
14062792, 13250244, 12594032, 9761357, 12612118, 13742464, 13550185
13457582, 13527323, 12780983, 12583611, 13502183, 12780098, 13705338
13696216, 13476583, 11840910, 13903046, 13572659, 13718279, 13554409
13657605, 13103913, 14063280

Patch 14275572 : applied on Tue May 28 16:37:21 EEST 2013
Unique Patch ID: 15379762
Patch description: "Grid Infrastructure Patch Set Update : 11.2.0.3.4 (14275572)"
Created on 12 Oct 2012, 00:27:42 hrs PST8PDT

Bugs fixed:

14275572, 13919095, 13696251, 13348650, 12659561, 13039908, 13825231
13036424, 12794268, 13011520, 13569812, 12758736, 13000491, 13498267
13077654, 13001901, 13550689, 13430715, 13806545, 11675721, 14082976
12771830, 12538907, 13947200, 13066371, 13483672, 12594616, 13540563
12897651, 12897902, 13241779, 12896850, 12726222, 12829429, 12728585
13079948, 12876314, 13090686, 12925041, 12995950, 13251796, 12650672
12398492, 12848480, 13582411, 13652088, 12990582, 13857364, 12975811
12917897, 13082238, 12947871, 13037709, 13371153, 12878750, 10114953
11772838, 13058611, 13001955, 11836951, 12965049, 13440962, 12765467
13727853, 13425727, 12885323, 13965075, 13339443, 12784559, 13332363
13074261, 12971251, 13811209, 12709476, 13460353, 13523527, 12857064
13719731, 13396284, 12899169, 13111013, 13323698, 12867511, 12639013
12959140, 13085732, 12829917, 10317921, 13843080, 12934171, 12849377
12349553, 13924431, 13869978, 12680491, 12914824, 13789135, 12730342
13334158, 12950823, 10418841, 13355963, 13531373, 13776758, 12720728
13620816, 13002015, 13023609, 13024624, 12791719

Rac system comprising of multiple nodes
Local node = laguna2
Remote node = laguna1

```
OPatch succeeded.  
[oracle@laguna2 ~]$
```

Tail the log file in another terminal:

```
[root@laguna1:/u01/orainst/patch]# tail -10f  
/u01/app/11.2.0/grid/cfgtoollogs/patchauto2013-05-27_15-03-17.log
```

```
***** Configuration Data *****
```

```
* It shows only those targets that will be patched in this session *
```

```
crs_home=/u01/app/11.2.0/grid    version=11.2.0.3.0    owner=grid  
opatch_ver=11.2.0.3.3
```

```
***** Steps to be executed as owner unless specified as root *****
```

```
1: /u01/app/11.2.0/grid/OPatch/opatch prereq CheckComponents -ph  
/u01/orainst/psu4/14275572 -oh /u01/app/11.2.0/grid  
  
2: /u01/app/11.2.0/grid/OPatch/opatch prereq CheckComponents -ph  
/u01/orainst/psu4/14275605 -oh /u01/app/11.2.0/grid  
  
3: /u01/app/11.2.0/grid/OPatch/opatch prereq CheckConflictAgainstOH -ph  
/u01/orainst/psu4/14275572 -oh /u01/app/11.2.0/grid  
  
4: /u01/app/11.2.0/grid/OPatch/opatch prereq CheckConflictAgainstOH -ph  
/u01/orainst/psu4/14275605 -oh /u01/app/11.2.0/grid  
  
5: /u01/app/11.2.0/grid/bin/emctl stop dbconsole  
  
6: /u01/app/11.2.0/grid/crs/install/rootcrs.pl -unlock : run as root  
  
7: /sbin/fuser -k /u01/app/11.2.0/grid/bin/crsctl.bin : run as root  
  
8: /u01/app/11.2.0/grid/OPatch/opatch prereq CheckApplicable -ph  
/u01/orainst/psu4/14275572 -oh /u01/app/11.2.0/grid  
  
9: /u01/app/11.2.0/grid/OPatch/opatch prereq CheckApplicable -ph  
/u01/orainst/psu4/14275605 -oh /u01/app/11.2.0/grid  
  
10: /u01/app/11.2.0/grid/OPatch/opatch napply /u01/orainst/psu4/14275572 -local -  
silent -ocmrf /home/oracle/ocm.rsp -oh /u01/app/11.2.0/grid -invPtrLoc  
/u01/app/11.2.0/grid/oraInst.loc  
  
11: /u01/app/11.2.0/grid/OPatch/opatch napply /u01/orainst/psu4/14275605 -local -  
silent -ocmrf /home/oracle/ocm.rsp -oh /u01/app/11.2.0/grid -invPtrLoc  
/u01/app/11.2.0/grid/oraInst.loc  
  
12: /u01/app/11.2.0/grid/bin/emctl start dbconsole  
  
13: /u01/app/11.2.0/grid/rdbms/install/rootadd_rdbms.sh : run as root  
  
14: /u01/app/11.2.0/grid/crs/install/rootcrs.pl -patch : run as root...
```

Isinventory output:

[grid@lagunal dbhome_1]\$ /u01/app/11.2.0/grid/OPatch/opatch lsinventory
Oracle Interim Patch Installer version 11.2.0.3.3
Copyright (c) 2012, Oracle Corporation. All rights reserved.

Oracle Home : /u01/app/11.2.0/grid
Central Inventory : /u01/app/oraInventory
 from : /u01/app/11.2.0/grid/oraInst.loc
OPatch version : 11.2.0.3.3
OUI version : 11.2.0.3.0
Log file location : /u01/app/11.2.0/grid/cfgtoollogs/opatch/opatch2013-05-27_15-42-50PM_1.log

Lsinventory Output file location :
/u01/app/11.2.0/grid/cfgtoollogs/opatch/lsinv/lsinventory2013-05-27_15-42-50PM.txt

Installed Top-level Products (1):

Oracle Grid Infrastructure 11.2.0.3.0
There are 1 products installed in this Oracle Home.

Interim patches (2) :

Patch 14275605 : applied on Mon May 27 15:10:25 EEST 2013
Unique Patch ID: 15379762
Patch description: "Database Patch Set Update : 11.2.0.3.4 (14275605)"
 Created on 3 Oct 2012, 18:38:19 hrs PST8PDT
Sub-patch 13923374; "Database Patch Set Update : 11.2.0.3.3 (13923374)"
Sub-patch 13696216; "Database Patch Set Update : 11.2.0.3.2 (13696216)"
Sub-patch 13343438; "Database Patch Set Update : 11.2.0.3.1 (13343438)"
Bugs fixed:
14480676, 13566938, 13419660, 10350832, 13632717, 14063281, 12919564
13624984, 13430938, 13467683, 13588248, 13420224, 14548763, 13080778
12646784, 13804294, 12861463, 12834027, 13377816, 13036331, 12880299
14664355, 13499128, 14409183, 12998795, 12829021, 13492735, 12794305
13503598, 10133521, 12718090, 13742433, 12905058, 12401111, 13742434
13257247, 12849688, 13362079, 12950644, 13742435, 13464002, 12917230
13923374, 12879027, 14613900, 12585543, 12535346, 14480675, 12588744
11877623, 14480674, 13916709, 12847466, 13773133, 14076523, 13649031
13340388, 13366202, 13528551, 13981051, 12894807, 13343438, 12582664
12748240, 12797765, 13385346, 12923168, 13384182, 13612575, 13466801
13484963, 12971775, 11063191, 13772618, 13070939, 12797420, 13035804
13041324, 12976376, 11708510, 13742437, 13737746, 14062795, 13035360
12693626, 13742438, 13326736, 13332439, 14038787, 14062796, 12913474
13001379, 14390252, 13099577, 13370330, 13059165, 14062797, 14275605
9873405, 13742436, 9858539, 14062794, 13358781, 12960925, 13699124
12662040, 9703627, 12617123, 13338048, 12938841, 12658411, 12620823
12845115, 12656535, 14062793, 12678920, 12764337, 13354082, 13397104
14062792, 13250244, 12594032, 9761357, 12612118, 13742464, 13550185
13457582, 13527323, 12780983, 12583611, 13502183, 12780098, 13705338
13696216, 13476583, 11840910, 13903046, 13572659, 13718279, 13554409
13657605, 13103913, 14063280

Patch 14275572 : applied on Mon May 27 15:08:38 EEST 2013
Unique Patch ID: 15379762
Patch description: "Grid Infrastructure Patch Set Update : 11.2.0.3.4 (14275572)"

Created on 12 Oct 2012, 00:27:42 hrs PST8PDT

Bugs fixed:

14275572, 13919095, 13696251, 13348650, 12659561, 13039908, 13825231
13036424, 12794268, 13011520, 13569812, 12758736, 13000491, 13498267
13077654, 13001901, 13550689, 13430715, 13806545, 11675721, 14082976
12771830, 12538907, 13947200, 13066371, 13483672, 12594616, 13540563
12897651, 12897902, 13241779, 12896850, 12726222, 12829429, 12728585
13079948, 12876314, 13090686, 12925041, 12995950, 13251796, 12650672
12398492, 12848480, 13582411, 13652088, 12990582, 13857364, 12975811
12917897, 13082238, 12947871, 13037709, 13371153, 12878750, 10114953
11772838, 13058611, 13001955, 11836951, 12965049, 13440962, 12765467
13727853, 13425727, 12885323, 13965075, 13339443, 12784559, 13332363
13074261, 12971251, 13811209, 12709476, 13460353, 13523527, 12857064
13719731, 13396284, 12899169, 13111013, 13323698, 12867511, 12639013
12959140, 13085732, 12829917, 10317921, 13843080, 12934171, 12849377
12349553, 13924431, 13869978, 12680491, 12914824, 13789135, 12730342
13334158, 12950823, 10418841, 13355963, 13531373, 13776758, 12720728
13620816, 13002015, 13023609, 13024624, 12791719, 13886023, 13255295
13821454, 12782756, 14625969, 14152875, 14186070, 12873909, 14214257
12914722, 13243172, 12842804, 13045518, 12765868, 12772345, 12663376
13345868, 14059576, 13683090, 12932852, 13889047, 12695029, 13146560
13038806, 14251904, 14070200, 13820621, 14304758, 13396356, 13697828
13258062, 12834777, 12996572, 13941934, 13657366, 13019958, 12810890
13888719, 13502441, 13726162, 13880925, 14153867, 13506114, 12820045
13604057, 12823838, 13877508, 12823042, 14494305, 13582706, 13617861
12825835, 13263435, 13025879, 13853089, 14009845, 13410987, 13570879
13637590, 12827493, 13247273, 13068077

Rac system comprising of multiple nodes

Local node = laguna1

Remote node = laguna2

OPatch succeeded.

[grid@laguna1 dbhome_1]\$

[oracle@laguna2 ~]\$ /u01/app/oracle/product/11.2.0/dbhome_1/OPatch/opatch
lsinventory

Oracle Interim Patch Installer version 11.2.0.3.3

Copyright (c) 2012, Oracle Corporation. All rights reserved.

Oracle Home : /u01/app/oracle/product/11.2.0/dbhome_1

Central Inventory : /u01/app/oraInventory

from : /u01/app/oracle/product/11.2.0/dbhome_1/oraInst.loc

OPatch version : 11.2.0.3.3

OUI version : 11.2.0.3.0

Log file location :

/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/opatch/opatch2013-05-29_09-39-33AM_1.log

Lsinventory Output file location :

/u01/app/oracle/product/11.2.0/dbhome_1/cfgtoollogs/opatch/lsinv/lsinventory2013-05-29_09-39-33AM.txt

Installed Top-level Products (1):

Oracle Database 11g 11.2.0.3.0
There are 1 products installed in this Oracle Home.

Interim patches (2) :

Patch 14275605 : applied on Tue May 28 16:39:35 EEST 2013
Unique Patch ID: 15379762
Patch description: "Database Patch Set Update : 11.2.0.3.4 (14275605)"
Created on 3 Oct 2012, 18:38:19 hrs PST8PDT
Sub-patch 13923374; "Database Patch Set Update : 11.2.0.3.3 (13923374)"
Sub-patch 13696216; "Database Patch Set Update : 11.2.0.3.2 (13696216)"
Sub-patch 13343438; "Database Patch Set Update : 11.2.0.3.1 (13343438)"

Bugs fixed:

14480676, 13566938, 13419660, 10350832, 13632717, 14063281, 12919564
13624984, 13430938, 13467683, 13588248, 13420224, 14548763, 13080778
12646784, 13804294, 12861463, 12834027, 13377816, 13036331, 12880299
14664355, 13499128, 14409183, 12998795, 12829021, 13492735, 12794305
13503598, 10133521, 12718090, 13742433, 12905058, 12401111, 13742434
13257247, 12849688, 13362079, 12950644, 13742435, 13464002, 12917230
13923374, 12879027, 14613900, 12585543, 12535346, 14480675, 12588744
11877623, 14480674, 13916709, 12847466, 13773133, 14076523, 13649031
13340388, 13366202, 13528551, 13981051, 12894807, 13343438, 12582664
12748240, 12797765, 13385346, 12923168, 13384182, 13612575, 13466801
13484963, 12971775, 11063191, 13772618, 13070939, 12797420, 13035804
13041324, 12976376, 11708510, 13742437, 13737746, 14062795, 13035360
12693626, 13742438, 13326736, 13332439, 14038787, 14062796, 12913474
13001379, 14390252, 13099577, 13370330, 13059165, 14062797, 14275605
9873405, 13742436, 9858539, 14062794, 13358781, 12960925, 13699124
12662040, 9703627, 12617123, 13338048, 12938841, 12658411, 12620823
12845115, 12656535, 14062793, 12678920, 12764337, 13354082, 13397104
14062792, 13250244, 12594032, 9761357, 12612118, 13742464, 13550185
13457582, 13527323, 12780983, 12583611, 13502183, 12780098, 13705338
13696216, 13476583, 11840910, 13903046, 13572659, 13718279, 13554409
13657605, 13103913, 14063280

Patch 14275572 : applied on Tue May 28 16:37:21 EEST 2013
Unique Patch ID: 15379762
Patch description: "Grid Infrastructure Patch Set Update : 11.2.0.3.4 (14275572)"
Created on 12 Oct 2012, 00:27:42 hrs PST8PDT

Bugs fixed:

14275572, 13919095, 13696251, 13348650, 12659561, 13039908, 13825231
13036424, 12794268, 13011520, 13569812, 12758736, 13000491, 13498267
13077654, 13001901, 13550689, 13430715, 13806545, 11675721, 14082976
12771830, 12538907, 13947200, 13066371, 13483672, 12594616, 13540563
12897651, 12897902, 13241779, 12896850, 12726222, 12829429, 12728585
13079948, 12876314, 13090686, 12925041, 12995950, 13251796, 12650672
12398492, 12848480, 13582411, 13652088, 12990582, 13857364, 12975811
12917897, 13082238, 12947871, 13037709, 13371153, 12878750, 10114953
11772838, 13058611, 13001955, 11836951, 12965049, 13440962, 12765467
13727853, 13425727, 12885323, 13965075, 13339443, 12784559, 13332363
13074261, 12971251, 13811209, 12709476, 13460353, 13523527, 12857064
13719731, 13396284, 12899169, 13111013, 13323698, 12867511, 12639013
12959140, 13085732, 12829917, 10317921, 13843080, 12934171, 12849377
12349553, 13924431, 13869978, 12680491, 12914824, 13789135, 12730342
13334158, 12950823, 10418841, 13355963, 13531373, 13776758, 12720728
13620816, 13002015, 13023609, 13024624, 12791719

```
Rac system comprising of multiple nodes
  Local node = laguna2
  Remote node = laguna1
```

```
OPatch succeeded.
[oracle@laguna2 ~]$
```