**STEPS :Patching Oracle Database 19C Grid Infrastructure on Standalone server for Patch\_19.22 (p35940989)**

**CHECK THE STATUS OF DATABASE**

[oracle@stagdb1 ~]$ sqlplus / as sysdba

SQL> select instance\_name, version, open\_mode from V$database, v$instance;

**GRID OPATCH APPLY:**

**CREATE A DIRECTORY & PLACE THE DOWNLOADED PATCH INTO IT.**

[oracle@stagdb1 ~]$ cd /u01/source/PATCH\_19\_22/ GRID\_PATCH\_19.22

[oracle@stagdb1 GRID\_PATCH\_19.22]$ ls

p35940989\_190000\_Linux-x86-64.zip

**UNZIP GRID PATCH**

[oracle@stagdb1 DB\_PATCH\_19.12]$ unzip p35940989\_190000\_Linux-x86-64.zip

[oracle@stagdb1 GRID\_PATCH\_19.22]$ ls

35940989 p35940989\_190000\_Linux-x86-64.zip PatchSearch.xml

[oracle@stagdb1 GRID\_PATCH\_19.22]$ cd 35940989/

[oracle@stagdb1 35940989]$ ls

33575402 35943157 35956421 35967489 36115038 automation bundle.xml README.html README.txt

**Note: Here you can see the sub-multiple are exist., You need to apply for each & every patch set as shown below:**

**TO APPLY THE GRID PATCH YOU NEED TO SHUTDOWN THE ASM INSTANCE**

**STOP THE ASM INSTANCE**

[oracle@stagdb1 ~]$ srvctl stop asm -f

[oracle@stagdb1 ~]$ srvctl status asm

ASM is not running.

**CHECK THE PRE-REQUISITE BEFORE APPLY THE PATCH**

**Note: You need to check the Pre-requiste for all the individual sub-patches as below above.**

**[oracle@stagdb1 33575402]$ /u01/app/19c/grid/OPatch/opatch prereq CheckConflictAgainstOHWithDetail -ph ./**

**[oracle@stagdb1 35943157]$ /u01/app/19c/grid/OPatch/opatch prereq CheckConflictAgainstOHWithDetail -ph ./**

**[oracle@stagdb1 35956421]$ /u01/app/19c/grid/OPatch/opatch prereq CheckConflictAgainstOHWithDetail -ph ./**

**[oracle@stagdb1 35967489]$ /u01/app/19c/grid/OPatch/opatch prereq CheckConflictAgainstOHWithDetail -ph ./**

**[oracle@stagdb1 36115038]$ /u01/app/19c/grid/OPatch/opatch prereq CheckConflictAgainstOHWithDetail -ph ./**

**START APPLYING THE PATCH ON GRID INFRASTRUCTURE**

**Here you need to apply the Individual SUB-PATCHES as shown below.**

**Apply 1st Sub-Patch**

**[root@stagdb1 35940989]# /u01/app/19c/grid/OPatch/opatchauto apply /u01/source/PATCH\_19\_22/GRID\_PATCH\_19.22/35940989/33575402/ -oh /u01/app/19c/grid/**

**Apply 2nd Sub-Patch**

**[root@stagdb1 35940989]# /u01/app/19c/grid/OPatch/opatchauto apply /u01/source/PATCH\_19\_22/GRID\_PATCH\_19.22/35940989/35943157/ -oh /u01/app/19c/grid/**

**Apply 3rd Sub-Patch**

**[root@stagdb1 35940989]# /u01/app/19c/grid/OPatch/opatchauto apply /u01/source/PATCH\_19\_22/GRID\_PATCH\_19.22/35940989/35956421/ -oh /u01/app/19c/grid/**

**Apply 4th Sub-Patch**

**[root@stagdb1 35940989]# /u01/app/19c/grid/OPatch/opatchauto apply /u01/source/PATCH\_19\_22/GRID\_PATCH\_19.22/35940989/35967489/ -oh /u01/app/19c/grid/**

**Apply 5th Sub-Patch**

**[root@stagdb1 35940989]# /u01/app/19c/grid/OPatch/opatchauto apply /u01/source/PATCH\_19\_22/GRID\_PATCH\_19.22/35940989/36115038/ -oh /u01/app/19c/grid/**

**Therefore., applied all the sub-patches successfully.**

**START THE ASM INSTANCE & VERIFY**

[oracle@stagdb1 ~]$ srvctl start asm

[oracle@stagdb1 ~]$ srvctl status asm

ASM is not running.

**LOGIN TO ASM INSTANCE & VERIFY THE ASM DISKS**

[oracle@stagdb1 ~]$ . oraenv

ORACLE\_SID = [stagdb1] ? +ASM

[oracle@stagdb1 ~]$ asmcmd

ASMCMD> lsdg

**CHECK THE ASM DATABAS INSTANCE**

[oracle@stagdb1 ~]$ sqlplus / as sysasm

SQL> select status from v$instance;

**VERIFIED THE GRID PATCH APPLIED.**

[oracle@stagdb1 ~]$ echo $ORACLE\_HOME

/u01/app/19c/grid

[oracle@stagdb1 ~]$cd /u01/app/19c/grid/OPatch

[oracle@stagdb1 OPatch]$ ./opatch lspatches

36115038;TOMCAT RELEASE UPDATE 19.0.0.0.0 (36115038)

35967489;OCW RELEASE UPDATE 19.22.0.0.0 (35967489)

35956421;ACFS RELEASE UPDATE 19.22.0.0.0 (35956421)

35943157;Database Release Update : 19.22.0.0.240116 (35943157)

33575402;DBWLM RELEASE UPDATE 19.0.0.0.0 (33575402)

**Verify with LSINVENTORY**

[oracle@stagdb1 OPatch]$ ./opatch lsinventory

OPatch succeeded.

**SOURCE:** **https://www.mirsayeedhassan.com/patching-oracle-database-19c-grid-infrastructure-on-standalone-server-for-patch\_19-22-p35940989/**