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| **Unable to Start CRS After Restoring the Failed Hardware with a New ASM Disk Name (Doc ID 1463719.1)** | [To Bottom](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=zsxd24dra_455&_afrLoop=418274766026773%20\o%20To%20Bottom) |  |





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| **In this Document**   |  |  | | --- | --- | |  | [Symptoms](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=zsxd24dra_455&_afrLoop=418274766026773%20\l%20SYMPTOM) | |  | [Cause](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=zsxd24dra_455&_afrLoop=418274766026773%20\l%20CAUSE) |  |  |  | | --- | --- | |  | [Solution](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=zsxd24dra_455&_afrLoop=418274766026773%20\l%20FIX) | |  | [References](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=zsxd24dra_455&_afrLoop=418274766026773%20\l%20REF) |     **APPLIES TO:**  Oracle Server - Enterprise Edition - Version 11.2.0.1 and later  Information in this document applies to any platform.  **SYMPTOMS**  Unable to start CRS even after restoring the failed hardware.  2 Node RAC.  There was a HBA failure and a disk failure on Node2  After replacing the HBA card, it changed the device id's. specifically the controller id was changed from 6 to 0  old device : /dev/rdsk/c6t60080E5...  New device : /dev/rdsk/c0t60080E5  The server uses mpxio and raw devices configured with ASM.  The CRS unable to start ASM and mount the disk group DG1 on the affected Node2.  This Diskgroup contains the Voting Disk  **CAUSE**   From Ocssd.log, we found:  No Voting files found.  Discovery string got set o NULL  [    CSSD][1] clssnmReadDiscoveryProfile: voting file discovery string(NULL)    We got the output of gpnp profile from both nodes:  $gpnptool get    ASM DiscoveryString is set to NULL.  Not sure, how this happened.  **SOLUTION**   Node 1 is working fine and Node 2 is affected.  On Node 1:  ---------  Set the asm\_diskstring: (change it to your disk location)  SQL> alter system set asm\_diskstring='/dev/rdsk/\*','/dev/dsk/\*' scope=both sid=\*;  $gpnptool get    Check whether it is properly set.  Shutdown the cluster on both nodes.  On Node 1:  --------  1. Start the the CRS in exclusive mode:  crsctl start crs -excl  SQL> alter system set asm\_diskstring='/dev/rdsk/\*','/dev/dsk/\*' scope=both sid=\*;(set again => 2nd time)  $gpnptool get  Check whether it is properly set.    Shutdown the Cluster  Startup normally.  Now start the cluster on Node 2, this should pickup the gpnp profile from surviving node(Node 1).  **REFERENCES**  [NOTE:1382547.1](https://support.oracle.com/epmos/faces/DocumentDisplay?parent=DOCUMENT&sourceId=1463719.1&id=1382547.1) - ocrcheck Reports PROC-26 AMDU-204 and AMDU-201 |