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| **Addnode creates a separate cluster while running root.sh (Doc ID 2381187.1)** | [To Bottom](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=357465732818551&id=2381187.1&_afrWindowMode=0&_adf.ctrl-state=1dlojtclya_29%20\o%20To%20Bottom) |  |



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| **In this Document**   |  |  | | --- | --- | |  | [Symptoms](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=357465732818551&id=2381187.1&_afrWindowMode=0&_adf.ctrl-state=1dlojtclya_29%20\l%20SYMPTOM) | |  | [Changes](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=357465732818551&id=2381187.1&_afrWindowMode=0&_adf.ctrl-state=1dlojtclya_29%20\l%20CHANGE) |  |  |  | | --- | --- | |  | [Cause](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=357465732818551&id=2381187.1&_afrWindowMode=0&_adf.ctrl-state=1dlojtclya_29%20\l%20CAUSE) | |  | [Solution](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=357465732818551&id=2381187.1&_afrWindowMode=0&_adf.ctrl-state=1dlojtclya_29%20\l%20FIX) |     **APPLIES TO:**  Oracle Database - Enterprise Edition - Version 12.1.0.2 and later  Information in this document applies to any platform.  **SYMPTOMS**  The second node is not joining in a single cluster , seem to have separate cluster got created post root.sh execution on adding node.  On the FIRST clusternode:  =================  [oracle@lpomr001 ~]$ olsnodes                      **<<<<<<<<< olnodes outputs shows 1 node in the cluster even-though CRS is up on both cluster node.**  **lpomr001**  [oracle@lpomr001 ~]$ srvctl status scan  SCAN VIP scan1 is enabled  SCAN VIP scan1 is running on node lpomr001  SCAN VIP scan2 is enabled  SCAN VIP scan2 is running on node lpomr001  SCAN VIP scan3 is enabled  SCAN VIP scan3 is running on node lpomr001  [oracle@lpomr001 ~]$ srvctl status vip -vip lpomr002-vip  VIP [lpomr002-vip.atradiusnet.com](http://lpomr002-vip.atradiusnet.com/) is enabled  VIP [lpomr002-vip.atradiusnet.com](http://lpomr002-vip.atradiusnet.com/) is running on node: lpomr001  **<<<<<<<<<<<<<<  remote node(node-2 VIP is running on Node-1 even if CRS or remote node(node-2) is up**  [oracle@lpomr001 ~]$ srvctl status vip -vip lpomr001-vip  VIP [lpomr001-vip.atradiusnet.com](http://lpomr001-vip.atradiusnet.com/) is enabled  VIP [lpomr001-vip.atradiusnet.com](http://lpomr001-vip.atradiusnet.com/) is running on node: lpomr001  On the second clusternode  =================  [oracle@lpomr002 ~]$ olsnodes                      **<<<<<<<<< olnodes outputs shows 1 node in the cluster even-though CRS is up on both cluster node**.  lpomr002  [oracle@lpomr002 ~]$ srvctl status scan  SCAN VIP scan1 is enabled  SCAN VIP scan1 is not running <<<<<<<<<<<<<<<<<< All scan IP is down  SCAN VIP scan2 is enabled  SCAN VIP scan2 is not running  SCAN VIP scan3 is enabled  SCAN VIP scan3 is not running  [oracle@lpomr002 ~]$ srvctl status vip -vip lpomr002-vip  VIP [lpomr002-vip.atradiusnet.com](http://lpomr002-vip.atradiusnet.com/) is enabled  VIP [lpomr002-vip.atradiusnet.com](http://lpomr002-vip.atradiusnet.com/) is not running         **<<<<<<<<<<<<<< VIP is not getting failed-over from Node-1 to node-2 eventhough CRS of node-2 is up**    **CHANGES**   System O/S (Node-2) crashed and re-adding node back into the cluster.  **CAUSE**  Remote node(node-2) is not joining to existing cluster and creates separate voting disk while executing root.sh  [oracle@lpomr001 ~]$ crsctl query css votedisk  ## STATE File Universal Id File Name Disk group  -- ----- ----------------- --------- ---------  1. ONLINE cea6393480f04fafbf758bc16efa9eac (ORCL:ASM\_DISK1) [DATA]                           **<<<<<<<<<<<<<<<< different vote disk**  Located 1 voting disk(s).  [  ===================================================  INFO NODE 2 LPOMR002  ===================================================  [oracle@lpomr002 ~]$ crsctl query css votedisk  ## STATE File Universal Id File Name Disk group  -- ----- ----------------- --------- ---------  1. ONLINE 638bd8dc18344f62bf03795b0aae0385 (ORCL:ASM\_DISK1) [DATA]                          <**<<<<<<<<<<<<<<< different vote disk**  Located 1 voting disk(s).      **SOLUTION**  **As a solution :**  1. Make sure correct disk is mapped on node being added.    [oracle@lpomr001 ~]$ $ORACLE\_HOME/bin/kfed read /dev/oracleasm/disks/ASM\_DISK1                **<<<<<<<<<<<<<<<<<<<< Existing node(lpomr001)**  kfbh.endian: 1 ; 0x000: 0x01  kfbh.hard: 130 ; 0x001: 0x82  kfbh.type: 1 ; 0x002: KFBTYP\_DISKHEAD  kfbh.datfmt: 1 ; 0x003: 0x01  kfbh.block.blk: 0 ; 0x004: blk=0  kfdhdb.crestmp.hi: 33064522 ; 0x0a8: HOUR=0xa DAYS=0x12 MNTH=0x1 YEAR=0x7e2              **<<<<<<<<<<< Date and time for ASM disk(votedisk) from existing node**  kfdhdb.crestmp.lo: 2606528512 ; 0x0ac: USEC=0x0 MSEC=0x31e SECS=0x35 MINS=0x26  kfdhdb.mntstmp.hi: 33065033 ; 0x0b0: HOUR=0x9 DAYS=0x2 MNTH=0x2 YEAR=0x7e2  kfdhdb.mntstmp.lo: 2523958272 ; 0x0b4: USEC=0x0 MSEC=0x23 SECS=0x27 MINS=0x25  [oracle@lpomr002 ~]$ $ORACLE\_HOME/bin/kfed read /dev/oracleasm/disks/ASM\_DISK1                        **<<<<<<<<<<<<<<<< Node(lpomr002) being added**  kfbh.endian: 1 ; 0x000: 0x01  kfbh.hard: 130 ; 0x001: 0x82  kfbh.type: 1 ; 0x002: KFBTYP\_DISKHEAD  kfbh.datfmt: 1 ; 0x003: 0x01  kfbh.block.blk: 0 ; 0x004: blk=0  kfdhdb.crestmp.hi: 33040018 ; 0x0a8: HOUR=0x12 DAYS=0x14 MNTH=0x9 YEAR=0x7e0   **<<<<<<<<<<< Date and time indicates wrong disk ASM disk(votedisk) is mapped**  kfdhdb.crestmp.lo: 251533312 ; 0x0ac: USEC=0x0 MSEC=0x386 SECS=0x2f MINS=0x3  kfdhdb.mntstmp.hi: 33065037 ; 0x0b0: HOUR=0xd DAYS=0x2 MNTH=0x2 YEAR=0x7e2  kfdhdb.mntstmp.lo: 2773706752 ; 0x0b4: USEC=0x0 MSEC=0xda SECS=0x15 MINS=0x29    2. Remove the adding node from cluster  #GI\_HOME/crs/install/rootcrs.sh -deconfig -force -verbose  3. At the storage level, make sure ASM disk are correctly mapped on node being re-added  4. Run root.sh |