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| **ORA-15099 Even If the Disk Size is Smaller Than 2 TB (Doc ID 1105488.1)** | [To Bottom](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=uorbpgm88_9&_afrLoop=172352862049049%20\o%20To%20Bottom) |  |
| **In this Document**   |  |  | | --- | --- | |  | [Symptoms](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=uorbpgm88_9&_afrLoop=172352862049049%20\l%20SYMPTOM) | |  | [Cause](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=uorbpgm88_9&_afrLoop=172352862049049%20\l%20CAUSE) |  |  |  | | --- | --- | |  | [Solution](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=uorbpgm88_9&_afrLoop=172352862049049%20\l%20FIX) | |  | [References](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=uorbpgm88_9&_afrLoop=172352862049049%20\l%20REF) |       **APPLIES TO:**  Oracle Database - Enterprise Edition - Version 10.2.0.1 to 11.1.0.7 [Release 10.2 to 11.1]  Information in this document applies to any platform.  **SYMPTOMS**  While adding a disk to the diskgroup or creating a new diskgroup, the following error is reported:   SQL> create diskgroup recoverygroup external redundancy disk '/dev/rhdisk37';  create diskgroup recoverygroup external redundancy disk '/dev/rhdisk37'  \*  ERROR at line 1:  ORA-15018: diskgroup cannot be created  ORA-15099: disk '/dev/rhdisk37' is larger than maximum size of 2097152 MBs   You have checked v$asm\_disk and see that there is unusual big size reported for the disk:   SQL> select PATH,TOTAL\_MB,FREE\_MB from v$asm\_disk;   PATH TOTAL\_MB FREE\_MB  ---------------------------------------- ---------- ----------  /dev/rhdisk36 1024 0  /dev/rhdisk37 4294610944 0   But when you check the disk size at OS, you see the size is less than 2 TB.   For example on AIX following command reports the disk size to be smaller than 2 TB.  # bootinfo -s rhdisk37  You have also crosschecked the disk with dd command like  # dd if=/dev/rhdisk37 of=/dev/zero bs=10M  **CAUSE**  This is because of unpublished Bug 7553969, where sometimes ASM calculates the disk size wrongly.  **SOLUTION**  The Bug if fixed in 11.2.0.1.1 and 11.2.0.2.0.   As a workaround we can use the SIZE clause in the "create diskgroup" or "alter diskgroup" command as        create diskgroup <DG Name> external redundancy disk '/dev/rhdisk37' size 1.6T; | | |