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| **TNS-12518 Can Not Connect To RAC 11gR2 Database (Doc ID 1088754.1)** | [To Bottom](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=s7z11xj9d_4&_afrLoop=25655780065507%20\o%20To%20Bottom) |  |
| **In this Document**   |  |  | | --- | --- | |  | [Symptoms](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=s7z11xj9d_4&_afrLoop=25655780065507%20\l%20SYMPTOM) | |  | [Changes](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=s7z11xj9d_4&_afrLoop=25655780065507%20\l%20CHANGE) |  |  |  | | --- | --- | |  | [Cause](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=s7z11xj9d_4&_afrLoop=25655780065507%20\l%20CAUSE) | |  | [Solution](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=s7z11xj9d_4&_afrLoop=25655780065507%20\l%20FIX) |  |  |  | | --- | --- | |  | [Community Discussions](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=s7z11xj9d_4&_afrLoop=25655780065507%20\l%20aref_section41) |     **APPLIES TO:**  Oracle Database - Enterprise Edition - Version 11.2.0.1 and later  Oracle Net Services - Version 12.1.0.2 to 12.1.0.2 [Release 12.1]  Information in this document applies to any platform.  \*\*\*Checked for relevance on 03-May-2013\*\*\*  **SYMPTOMS**  Just installed and configured 11gR2 Grid Infrastructure and database, sqlplus can not connect to the new 11.2 database using SCAN connection.  $ sqlplus test/\*\*\*\*\*\*\*@rac-scan:2010/dbrac  SQL\*Plus: Release 11.2.0.1.0 Production on Wed Mar 24 17:40:48 2010  Copyright (c) 1982, 2009, Oracle. All rights reserved.  ERROR:  ORA-12537: TNS:connection closed  Enter user-name:    From the listener.log:  24-MAR-2010 17:40:51 \* (CONNECT\_DATA=(SERVICE\_NAME=dbrac)(CID=(PROGRAM=sqlplus)(HOST=myracdbhost)(USER=oracle))(SERVER=dedicated)(INSTANCE\_NAME=t1rac2)) \* (ADDRESS=(PROTOCOL=tcp)(HOST=XX.XX.XX.XX)(PORT=13788)) \* establish \* dbrac \* 12518  TNS-12518: TNS:listener could not hand off client connection  TNS-12547: TNS:lost contact    TNS-12560: TNS:protocol adapter error     TNS-00517: Lost contact     Linux Error: 32: Broken pipe    **CHANGES**  New installation.  **CAUSE**  This is caused by the oracle executable not having the setuid bit on:  $ ls -l $ORACLE\_HOME/bin/oracle  -rwxrwxr-x 1 oracle dba 210824648 Mar 29 12:33 /orabin/app/oracle/product/112\_dbrac/server/db\_1/bin/oracle\*  ORACLE\_HOME resides on a NFS mounted file system (NetApps Filer) in this case and the filer export option for this NFS file system has "nosuid" (nosetuid) set which is wrong:  /vol/t1rac -sec=sys,rw=racdb01:racdb02,root=10.40.20.10:racdb01:racdb02,nosuid  This prevented the setuid bit (chmod 6751) from being set for the oracle executable.  **SOLUTION**  1. Fix the export option on the NFS file system server, remove "nosuid" option:  /vol/t1rac -sec=sys,rw=racdb01:racdb02,root=10.40.20.10:racdb01:racdb02  2. Relink oracle, so that oracle executable has rwsr-s--x permission set.  cd $ORACLE\_HOME/bin  relink all  After that user can connect to database.  Note. In some cases, please also check the setuid bit for Grid Infrastructure $ORACLE\_HOME/bin/oracle binary, this is used by the ASM instance. Without the setuid bit, database will fail to connect to ASM instance with same error and database will not be able to start.  CRS will report:  CRS-5011: Check of resource "+ASM" failed  Start database will get:  $ ./srvctl start database -d sirac  PRCR-1079 : Failed to start resource ora.sirac.db  ORA-01078: failure in processing system parameters  CRS-2674: Start of 'ora.sirac.db' on 'srv111' failed  CRS-2632: There are no more servers to try to place resource 'ora.sirac.db' on that would satisfy its placement policy  ORA-01034: ORACLE not available  ORA-27101: shared memory realm does not exist  Linux-x86\_64 Error: 2: No such file or directory  Process ID: 0  Session ID: 0 Serial number: 0  alert log shows:  TNS-12547: TNS:lost contact  ns secondary err code: 12560  nt main err code: 517  TNS-00517: Lost contact  nt secondary err code: 32  nt OS err code: 0  ERROR: Failed to connect with connect string: (DESCRIPTION=(ADDRESS=(PROTOCOL=beq)(PROGRAM=/u01/app/grid/product/11.2.0/grid/bin/oracle)(ARGV0=oracle+ASM1\_user32138\_sirac1)(ENVS='ORACLE\_HOME=/u01/app/grid/product/11.2.0/grid,ORACLE\_SID=+ASM1')(ARGS='(DESCRIPTION=(LOCAL=YES)(ADDRESS=(PROTOCOL=beq)))'))(enable=setuser))  chmod 6751  $GRID\_HOME/bin/oracle will fix the issue.  **Community Discussions**  Still have questions? Use the communities window below to search for similar discussions or start a new discussion on this subject.  Note: Window is the **LIVE** community not a screenshot.  Click [here](https://community.oracle.com/community/support/oracle_database/database_-_rac_scalability%20/o%20Database%20-%20RAC/Scalability%20Community) to open in main browser window. | | |