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Job Role Separation is a typical example as SCAN and local grid home listener is owned differently than database.   * Error detail   12537, 00000, "TNS:connection closed"  // \*Cause: "End of file" condition has been reached; partner has disconnected.  // \*Action: None needed; this is an information message.  Before the error is reported, connection could hang for a while, and a core file may also be generated.   * Screen output:   SQL> conn system/xxx@OSES  ERROR:  ORA-12537: TNS:connection closed  OR   PRCR-1079 : Failed to start resource ora.db11.db  CRS-5011: Check of resource db11 failed: details at ..  CRS-2674: Start of ora.db11.db on racnode1 failed  ORA-12546: TNS:permission denied   * listener\_scan*n*.log or listener.log   TNS-12518: TNS:listener could not hand off client connection  TNS-12546: TNS:permission denied   TNS-12560: TNS:protocol adapter error    TNS-00516: Permission denied     Linux Error: 13: Permission denied  OR   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   * runInstaller error if installing   INFO: Starting Output Reader Threads for process /ocw/grid/bin/kfod  INFO: Parsing KFOD-00300: OCI error [-1] [OCI error] [ORA-12547: TNS:lost contact  INFO: Parsing ] [12547]  INFO: Parsing  INFO: The process /ocw/grid/bin/kfod exited with code 1  ..  SEVERE: [FATAL] [INS-30502] No ASM disk group found.     CAUSE: There were no disk groups managed by the ASM instance +ASM1.    **Changes**   This is likely a new installation.  This problem occurs often on systems where GRID control and database home reside together.  **Cause**  1. In environments where the listener is not run in the same ORACLE\_HOME where the database resides, the listener owner (including SCAN listener) may not be able to access the oracle binary in the database home.  This is common in RAC or whenever a GRID\_HOME and a database ORACLE\_HOME are installed.   As listener owner:  **$ ls -l $RDBMS\_HOME/bin/oracle  ls: /home/oracle/app/oracle/product/11.2/db/bin/oracle: Permission denied**  2. Oracle binary in database home has wrong permission:  **ls -l $RDBMS\_HOME/bin/oracle -rwxr-x--x** 1 oracle asmadmin 184286251 Aug  9 16:25 /home/oracle/app/oracle/product/11.2/db/bin/oracle  The permission "**-rwxr-x--x"** is wrong as it's missing suid bit, oracle binary should have permission of 6751:  **-rwsr-s--x** 1 oracle asmadmin 184286251 Aug  9 16:25 /home/oracle/app/oracle/product/11.2/db/bin/oracle  Note: If Job Role Separation is in place, the group will be <asmadmin>, otherwise it will be <oinstall>    3. File System for database home does not support setuid/suid or has nosetuid/nosuid set:  **mount| grep <mount\_point\_of\_ORACLE\_HOME>  /home/oracle on /dev/dsk/diskoracle read/write/nosuid..**    4. RDBMS\_HOME/lib has wrong ownership/permission:  As listener owner:  $ ls -l $RDBMS\_HOME/lib  ls: /home/oracle/app/oracle/product/11.2/db/lib: **Permission denied**    5. Another cause may be permissions on the RDBMS Directory structure or Home directory which needs to be accessed by the CRS user.  Check that the RDBMS $ORACLE\_HOME is set to 755.  This can be seen from an OS trace such as strace or truss when using it to trace the CRS user running the "oracle" executable which fails with the "Permission denied" error.   Also:   a) Log in as the "GRID" user on each node, and issue the following (on each directory under the RDBMS Home) :-    [grid@orcl002:+ASM2 ~]$ ls -al /home/oracle/app/oracle  ls: cannot open directory /u01/app/oracle: Permission denied  \*\*\*NOTE: the Oracle directory has 700 for the permissions, which should be changed to 755:    Current (incorrect) -->  [grid@orcl002:+ASM2 ~]$ ll /home/oracle/app  drwx------. 8 oracle oinstall  4096 Oct 12 08:38 oracle    Should be (correct) -->  [grid@orcl002:+ASM2 ~]$ ll /home/oracle/app  drwxr-xr-x. 8 oracle oinstall  4096 Oct 12 08:38 oracle      b) Likewise the /product directory has 700 perms, so change to 755 -->  [grid@orcl002:+ASM2 ~]$ ls -al /home/oracle/app/oracle/product  ls: cannot open directory /u01/app/oracle/product: Permission denied  Current (incorrect) -->  [grid@orcl002:+ASM2 ~]$ ls -al /home/oracle/app/oracle  drwx------.  3 oracle oinstall 4096 Oct  12 08:58 product    Should be (correct) -->  [grid@orcl002:+ASM2 ~]$ ls -al /u01/app/oracle  drwxr-xr-x.  3 oracle oinstall 4096 Oct  12 08:58 product  c) Now a connection should work:  $ sqlplus system/<pwd>@'(description=(address=(protocol=tcp)(host=orcl002)(port=1521))(connect\_data=(server=dedicated)(service\_name=ORCL)))'   SQL>      **Solution**  Solution is to make sure file system for database home has setuid/suid set, database binary($RDBMS\_HOME/bin/oracle) has correct ownership and permission, and listener owner is able to access database oracle binary (as listener owner, "ls -l $RDBMS\_HOME/bin/oracle" will tell)   If its Job Role Separation environment, please refer to the following document:   Oracle® Grid Infrastructure  Installation Guide  11g Release 2 (11.2)   Oracle ASM Job Role Separation Option with SYSASM | |