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| **How to connect to ASM instance from a remote client (Oracle Net) (Doc ID 340277.1)** | [To Bottom](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=15az8borew_4&_afrLoop=327646614725231%20\o%20To%20Bottom)  [To Bottom](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=15az8borew_4&_afrLoop=327646614725231%20\o%20To%20Bottom) |  |

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| **In this Document**   |  |  | | --- | --- | |  | [Goal](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=15az8borew_4&_afrLoop=327646614725231%20\l%20GOAL) | |  | [Solution](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=15az8borew_4&_afrLoop=327646614725231%20\l%20FIX) |  |  |  | | --- | --- | |  | [References](https://support.oracle.com/epmos/faces/SearchDocDisplay?_adf.ctrl-state=15az8borew_4&_afrLoop=327646614725231%20\l%20REF) |   graphic  **APPLIES TO:**  Oracle Net Services - Version 10.1.0.4.0 and later  Oracle Database - Enterprise Edition - Version 9.2.0.8 to 11.1.0.6 [Release 9.2 to 11.1]  Enterprise Manager for Oracle Database - Version 10.2.0.3 and later  Enterprise Manager Base Platform - Version 10.2.0.4 and later  Information in this document applies to any platform.  Checked Currency on 18-Oct-2014  **GOAL**  Connecting to **ASM** instance remotely using Oracle Net and tools like SQL\*Plus.   This note will resolve help resolve the following errors when trying to connect to an **ASM** isntance remotely  ORA-12505 TNS:listener could not resolve SID given in connect descriptor  ORA-12541: TNS:no listener  ORA-15000: command disallowed by current instance type  ORA-12528: TNS:listener: all appropriate instances are blocking new connections  ORA-1031:   insufficient privileges  **SOLUTION**  This solution cannot be accomplished using Network Manager (GUI)   The solution is to     \* Edit the **listener.ora** on **ASM** server     \* Edit the **tnsnames.ora** on the client     \* Setup your remote login password for your ASM instance on the **ASM** server     \* Set your **SYS** password using **ORAPWD** for the **ASM** instance     \* Use the properly formatted connect string to connect with your tool   **1) Edit the listener.ora on ASM server      a) Logon to the ASM/Database server      b) Locate your** **listener.ora** (typically located in the $ORACLE\_HOME/network/admin)      c) Add a SID\_LIST\_LISTENER entry for your **ASM** instance (see example below)   **EXAMPLE**  SID\_LIST\_LISTENER =      (SID\_LIST =        (SID\_DESC =           (SID\_NAME = +ASM)           (ORACLE\_HOME = c:\oracle\app\product\11.1.0\db\_1)        )     )     d) Stop the listener  lsnrctl stop     e) restart the listener  lsnrctl start  **2) Edit the tnsnames.ora on the client      a) Logon to the client machine that will be used to connect to the ASM instance            NOTE: the client machine can also be the ASM/Database server (ie for DBCONTROL)      b) Locate your** **tnsnames.ora** (typically in the $ORACLE\_HOME/network/admin)     c) Add an entry (tnsalias) for your **ASM** instance (see example)  **EXAMPLE**    ASM =     (DESCRIPTION =        (ADDRESS = (PROTOCOL = TCP)(HOST = kbcook-1)(PORT = 1521))        (CONNECT\_DATA =           (SERVER = DEDICATED)           (SID\_NAME = +ASM)           (UR=A)        )     )  **3) Setup your remote login password for your ASM instance on the ASM server     a) Logon to the ASM/Database server      b) Locate the parameter file for your ASM instance (typically $ORACLE\_HOME/dbs/init+ASM.ora [unix] or $ORACLE\_HOME/dbs/init+ASM.ora [windows] )      c) Edit the parameter file and add** **remote\_login\_passwordfile = exclusive** ... for stand alone **ASM** setups          remote\_login\_passwordfile = shared ... for **ASM** setups that also use **Real Application Cluster** (RAC)       d) Save the file  **NOTE:** It may be required that an **PFILE** be created from an **SPFILE** in order to be able to edit the file properly ... once the line have been added ... the process can be reversed                   For more details [Note 249664.1](https://support.oracle.com/epmos/faces/DocumentDisplay?parent=DOCUMENT&sourceId=340277.1&id=249664.1) Pfile vs SPfile ... may be used   4) Set your SYS password using ORAPWD for the ASM instance      a) Logon to the ASM/Database server      b) Locate your orapw<sid> file for your **ASM** instance (typically $ORACLE\_HOME/dbs/orapw+ASM)      c) Rename the file to orapw<sid>.old        d) Run orapwd to reset the password (see example below)   **EXAMPLE**  mv "orapw+ASM" "orapw+ASM.old"  orapwd file=orapw+ASM password=kbcook  **5) Use the properly formatted connect string for your tool** Connnect to the **ASM** instance using the password (#4 above) and the tnsalias (#2 above)   EXAMPLES  C:\oracle\app\product\11.1.0\db\_1\BIN\SQLPLUS.EXE "sys/kbcook@asm as sysdba"   <OR>   sqlplus "sys/kbcook@asm as sysdba"   <OR>   sqlplus "sys@asm as sysdba" ... then supply the password when prompted |