【故障处理】ORA-12162: TNS:net service name is incorrectly specified

1.1 场景

　　今天拿到一个新的环境，可是执行 sqlplus / as sysdba 的时候不能登录，报 ORA-12162: TNS:net service name is incorrectly specified 的错误，之前没有碰到过，就随时记录下，备查。

1.2 实验还原

```
Last unsuccessful login: Thu Mar 19 16:59:06 BEIST 2015 on /dev/pts/0 from 200.31.177.54
Last login: Thu Jul 16 22:44:20 BEIST 2015 on ftp from ::ffff:200.31.156.201
***********************************************************************
*                                                                     *
*                                                                     *
*   Welcome to AIX Version 5.3!                                       *
*                                                                     *
*                                                                     *
*   Please see the README file in /usr/lpp/bos for information pertinent to  *
*   this release of the AIX Operating System.                        *
*                                                                     *
*                                                                     *
***********************************************************************
oracle@SJCk4:/home/oracle>
oracle@SJCk4:/home/oracle>
oracle@SJCk4:/home/oracle>ps -ef|grep ora_pmon_
   oracle   348182        1   0    Apr 25      -  7:42 ora_pmon_DATAWDB
   oracle   630842        1   0    Apr 25      - 20:02 ora_pmon_COGDB
   oracle   843948        1   0    Apr 25      -  6:45 ora_pmon_ETLDB
   oracle 5005418 4427974   0 09:44:03  pts/0  0:00 grep ora_pmon_
oracle@SJCk4:/home/oracle>ORACLE_SID=DATAWDB
oracle@SJCk4:/home/oracle>echo $ORACLE_SID
DATAWDB

oracle@SJCk4:/home/oracle>
oracle@SJCk4:/home/oracle>sqlplus / as sysdba

SQL*Plus: Release 10.2.0.1.0 - Production on Fri Jul 17 09:56:44 2015

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ERROR:
ORA-12162: TNS:net service name is incorrectly specified


Enter user-name:
ERROR:
ORA-12162: TNS:net service name is incorrectly specified


Enter user-name:
ERROR:
ORA-12162: TNS:net service name is incorrectly specified
```

```
SP2-0157: unable to CONNECT to ORACLE after 3 attempts, exiting SQL*Plus
oracle@SJCk4:/home/oracle>echo $ORACLE_HOME
/app/oracle/product/10.2.0/db_1
oracle@SJCk4:/home/oracle>echo $ORACLE_SID
DATAWDB
oracle@SJCk4:/home/oracle>
oracle@SJCk4:/home/oracle>
oracle@SJCk4:/home/oracle>
oracle@SJCk4:/home/oracle>
oracle@SJCk4:/home/oracle>export ORACLE_SID=DATAWDB
oracle@SJCk4:/home/oracle>sqlplus / as sysdba

SQL*Plus: Release 10.2.0.1.0 - Production on Fri Jul 17 09:59:27 2015

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Connected to:
Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - 64bit Production
With the Partitioning, OLAP and Data Mining options

SQL>
SQL>
```

1.3 总结

```
[oracle@rhel6_lhr ~]$ oerr ora 12162
12162, 00000, "TNS:net service name is incorrectly specified"
// *Cause:   The connect descriptor corresponding to the net service name in
// TNSNAMES.ORA or in the directory server (Oracle Internet Directory) is
// incorrectly specified.
// *Action: If using local naming make sure there are no syntax errors in
// the corresponding connect descriptor in the TNSNAMES.ORA file. If using
// directory naming check the information provided through the administration
// used for directory naming.
[oracle@rhel6_lhr ~]$
```

可以确定的是 ORA-12162 是由于 ORACLE_SID 未设置或者设置不正确导致的，推荐使用 export ORACLE_SID=XXX 来设置，当不能设置的时候再用 ORACLE_SID=XXX 来直

接设置。

另外的一篇 blog 参考：http://blog.itpub.net/26736162/viewspace-1735917/

1.4 **About Me**

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本文作者：小麦苗，只专注于数据库的技术，更注重技术的运用

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