

★ ORA-28547: connection to server failed, probable Oracle Net admin error When logging locally as sysdba with non oracle owner (Doc ID 2800829.1)

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APPLIES TO:

Oracle Database - Enterprise Edition - Version 19.10.0.0.0 and later

Information in this document applies to any platform.

SYMPTOMS

When logging locally "sqlplus / as sysdba" with non oracle owner, ORA-28547: connection to server failed, probable Oracle Net admin error is returned.

```
[user@db-server ~]$ sqlplus / as sysdba

SQL*Plus: Release 19.0.0.0.0 - Production on Fri Jul 23 12:52:27 2021
Version 19.11.0.0.0

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ERROR:
ORA-28547: connection to server failed, probable Oracle Net admin error
```

CAUSE

Incorrect privileges under ORACLE_HOME directory.

```
* In strace log show: EACCES (Permission denied)

0655 open("$ORACLE_HOME/network/admin/sqlnet.ora", O_RDONLY) = -1 EACCES (Permission denied)
0655 open("$ORACLE_HOME/nls/data/9idata/lx1boot.nlb", O_RDONLY) = -1 EACCES (Permission denied)
20656 open("$ORACLE_HOME/rdbms/log/slogcdb_ora_20656.trc", O_WRONLY|O_CREAT|O_EXCL, 0660) = -1 EACCES (Permission denied)
20656 open("$ORACLE_HOME/rdbms/log/slogcdb_ora_20656.trc", O_WRONLY|O_CREAT|O_EXCL, 0660) = -1 EACCES (Permission denied)

* In the $ORACLE_HOME/rdbms/admin directory, there are not correct privileges. Read privilege is missing for dba group and others.

-rw-----. 1 oracle dba 1462 Jun 14 19:17 listener.ora
drwxr-x---. 2 oracle dba 64 Jun 14 19:17 samples
-rw-r-----. 1 oracle dba 1536 Jun 14 19:17 shrept.lst
drwxr-x---. 2 oracle dba 88 Aug 4 12:10 SLOG_asdv-snsc-mnsn
-rw-----. 1 oracle dba 659 Jul 27 15:09 sqlnet.ora
-rw-----. 1 oracle dba 1078 Jun 14 19:17 tnsnames.ora
```

SOLUTION

1. make sure \$ORACLE_HOME has the follows privileges
- Owner rwx
Group rx
Others rx
2. make backup from \$ORACLE_HOME directory
3. change privileges to the next directories
- chmod -R 755 \$ORACLE_HOME/network
chmod -R 755 \$ORACLE_HOME/nls
chmod -R 755 \$ORACLE_HOME/rdbms
4. add user to dba and oinstall groups
- # as root user
usermod -a -g oinstall -G dba user
5. with user, try (sqlplus / as sysdba)

REFERENCES

- [NOTE:2565870.1](#) - ORA-28547: Connection To Server Failed, Probable Oracle Net Admin Error
- [NOTE:166650.1](#) - Working Effectively With Oracle Support - Best Practices
- [NOTE:1274184.1](#) - "ORA-28547: Connection to Server Failed, Probable Oracle Net Admin Error" When Connecting to P6 Standalone Oracle XE Database
- [NOTE:457458.1](#) - How to Disable or set SELinux to Permissive mode
- [NOTE:1080521.1](#) - ORA-28547 Error Using ODBC Application or Net Manager
- [NOTE:1645680.1](#) - Remote Connections via the Listener Fail with: 'ORA-28547: connection to server failed, probable Oracle Net admin error'

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PROBLEM

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"ORA-28547: Connection to Server Failed, Probable Oracle Net Admin Error" When Connecting to P6 Standalone Oracle XE Database [1274184.1]

Oracle Linux: How to Disable or Set SELinux to Permissive Mode [457458.1]

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[OVM] Issues with huge OVM_STATISTIC.ibd used as OVM_STATISTIC Table. [2216441.1]

Oracle VM: How Does Oracle VM Manager Acknowledge OCFS2 Repository Existence on a LUN and Take Ownership [2464580.1]

Oracle Cluster File System (OCFS2) Software Support and Update Policy for Red Hat Enterprise Linux Supported by Red Hat [1253272.1]

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