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| **Server Processes Have No Session Entry (Doc ID 2322466.1)** | [To Bottom](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=421375703709984&id=2322466.1&_adf.ctrl-state=swqekcpm6_53%20\o%20To%20Bottom) |  |





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| **In this Document**   |  |  | | --- | --- | |  | [Symptoms](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=421375703709984&id=2322466.1&_adf.ctrl-state=swqekcpm6_53%20\l%20SYMPTOM) | |  | [Changes](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=421375703709984&id=2322466.1&_adf.ctrl-state=swqekcpm6_53%20\l%20CHANGE) |  |  |  | | --- | --- | |  | [Cause](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=421375703709984&id=2322466.1&_adf.ctrl-state=swqekcpm6_53%20\l%20CAUSE) | |  | [Solution](https://support.oracle.com/epmos/faces/DocumentDisplay?_afrLoop=421375703709984&id=2322466.1&_adf.ctrl-state=swqekcpm6_53%20\l%20FIX) |     **APPLIES TO:**  Oracle Database - Enterprise Edition - Version 9.2.0.8 to 12.2.0.1 [Release 9.2 to 12.2]  Information in this document applies to any platform.  **SYMPTOMS**   A lot of oracle server processes in the database have no session entry:  select \* from v$process;  1674 rows selected.  select \* from v$session;  1051 rows selected.   It seems those processes never get released because they have been there for several days.  # date  Thu Oct 12 11:03:54 CST 2017  # ps -aeo user,pid,ppid,pri,pcpu,pmem,vsize,rssize,wchan:25,s,start,cputime,command  oracle 1613 1 19 0.0 0.0 365768 27636 sk\_wait\_data S Oct 04 00:00:00 oraclexxxxxx (LOCAL=NO)   The process's call stacks are network related:  PROCESS 1560:  ----------------------------------------  SO: 0x73a3d79790, type: 2, owner: (nil), flag: INIT/-/-/0x00 if: 0x3 c: 0x3  proc=0x73a3d79790, name=process, file=ksu.h LINE:13949, pg=0 conuid=0  (process) Oracle pid:1560, ser:174, calls cur/top: (nil)/0x71232cdd70  ......  Process Group: DEFAULT, pseudo proc: 0x7323de7370  O/S info: user: grid, term: UNKNOWN, ospid: 1613 <<<<<< Process 1613  OSD pid info:  Short stack dump:  ksedsts <- ksdxfstk <- ksdxcb <- sspuser <- \_\_sighandler  <- read <- nttfprd <- nsbasic\_brc <- nsbrecv <- nioqrc  <- opikndf2 <- opitsk <- opiino <- opiodr <- opidrv  <- sou2o <- opimai\_real <- ssthrdmain <- main   "lsof" command shows a tcp connection was established.  # lsof -np 1613  50 oracle\_16 1613 oracle 20u IPv4 1303337121 0t0 TCP 10.5.20.110:1521->10.5.70.234:23966 (ESTABLISHED)  **CHANGES**   No changes made.  **CAUSE**  The below sqlnet parameter was set to 0 in the sqlnet.ora and the clients failed to complete authentication due to wrong user name or password.  SQLNET.INBOUND\_CONNECT\_TIMEOUT=0  The value 0 above means server process authentication timeout is unlimited, so if the client fails to complete authentication, the database server will never terminate the connection until the client exits.  **SOLUTION**  Remove the "SQLNET.INBOUND\_CONNECT\_TIMEOUT" from the sqlnet.ora  AND  Correct the user and password in the client (for example in this case it is ip: 10.5.70.234).  Note: In 11g or above, the default value of parameter "SQLNET.INBOUND\_CONNECT\_TIMEOUT" is 60 seconds, so if the client is not able to complete authentication(for example, due to wrong password) within 60 seconds, oracle will terminate the server process and print below error in alert log, note the error stack in order is 12170 TNS-12535 12606 ORA-3136  2017-10-31T17:14:45.641400+08:00  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  Fatal NI connect error 12170.  VERSION INFORMATION:  TNS for Linux: Version 12.2.0.1.0 - Production  Oracle Bequeath NT Protocol Adapter for Linux: Version 12.2.0.1.0 - Production  TCP/IP NT Protocol Adapter for Linux: Version 12.2.0.1.0 - Production  Time: 31-OCT-2017 17:14:45  Tracing not turned on.  Tns error struct:  ns main err code: 12535  TNS-12535: TNS:operation timed out  ns secondary err code: 12606  nt main err code: 0  nt secondary err code: 0  nt OS err code: 0  Client address: (ADDRESS=(PROTOCOL=tcp)(HOST=10.182.211.246)(PORT=55051))  2017-10-31T17:14:45.694032+08:00  WARNING: inbound connection timed out (ORA-3136) |