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## Steps to Resolve Locks on Database

We may get error Message:Could Not Reserve Records Due to Database Record Lock.  
To resolve this particular issue, we need to follow the below mentioned steps.

**1.** Identify the Oracle serial ID, SID ID and terminate without shutting the database down.

**1.1** Make sure that the user is logged off.

**1.1.1** Type ps -ef |grep

**1.1.2** Kill all processes related to that user.

**1.2** Identify SID, serial#

```
select distinct
acc.object, ses.osuser, ses.process,
ses.sid, ses.serial#
from v$access acc,
v$session ses
where (acc.owner != 'SYS'
or acc.object = 'PLAN_TABLE')
and acc.sid = ses.sid
and ses.status != 'INACTIVE'
and ses.type != 'BACKGROUND'
and acc.object not in ('V$ACCESS','V$SESSION')
and ses.audsid != userenv('SESSIONID')
order by 1,2,3
/
```

**1.3.** We need to double-check the identified SID and serial ID:

```
SELECT osuser,
username,
process,
sid,
serial#,
status,
```

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```
to_char(logon_time,'DD-MON HH24:MI:SS') logon_time,  
machine,  
program  
FROM v$session  
WHERE sid = &SID_NUM  
/  

```

**1.4. ALTER SYSTEM KILL SESSION '&SID\_NUM,&SERIAL\_NUM';**

Alternatively use the following scripts to identify the blocking session:

```
-- check for locked tables  
select a.object_id, a.session_id, substr(b.object_name, 1, 40)  
from v$locked_object a,  
dba_objects b  
where a.object_id = b.object_id  
order by b.object_name ;  

```

```
--find_blocked.sql  
select sid,  
decode(block ,0,'NO','YES') BLOCKER,  
decode(request,0,'NO','YES') WAITER  
from v$lock  
where request > 0 or block > 0 order by block desc  
/  

```

```
SELECT 'alter system kill session ''' || vs.sid || ',' || vs.serial# || '''' ,al.  
object_name, al.object_type, vs.status,  
fu.user_name,vs.process,vs.osuser,vs.username,  
to_char(vs.logon_time,'DD-MON HH24:MI:SS') logon_time, vs.program  
FROM fnd_logins fl, fnd_user fu, all_objects al, v$lock vl, v$session vs  
WHERE fl.pid = vl.sid  
AND vl.id1 = al.object_id (+)  
AND fl.user_id = fu.user_id  
AND to_char (start_time, 'DD-MON-RR') = to_char (sysdate, 'DD-MON-RR')  
and vs.sid=vl.sid  
and vl.sid = &sid  

```

```
'ALTERSYSTEMKILLSESSION''' || VS.SID || ',' || VS.SERIAL# || ''''
```