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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# || ''''
```