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**Revisión de Performance de Base de datos**

# **Consultas SQL**

## Consultar sesiones marcando ‘Blocker’ a otras sesiones o en ‘waiting’

***SELECT*** *session\_id, lock\_type, mode\_held*

*from dba\_locks where blocking\_others= 'Blocking';*

***SELECT*** *\* from dba\_blockers;*

***SELECT*** *\* from dba\_waiters;*

***SELECT*** *\* from dba\_lock;*

## Información acerca de los objetos actualmente bloqueados

***SELECT*** *SID, OWNER, OBJECT, TYPE*

*FROM V$ACCESS*

*WHERE OBJECT = 'VE\_VEHICULAR';*

***SELECT*** *\* FROM V$LOCKED\_OBJECT;*

***SELECT*** *\* from dba\_objects where object\_id =’18376’;*

***SELECT*** *\**

*FROM DBA\_DDL\_LOCKS*

*WHERE NAME = <PAQUETE> AND MODE\_HELD <> 'Null';*

## Monitoreo de Bloqueos DDL

***SELECT*** *\**

*FROM DBA\_DDL\_LOCKS*

*WHERE MODE\_HELD <> 'Null';*

***SELECT*** *blocking\_session,sid,serial#,username,*

*machine,program,process*

*from v$session where sid = (select blocking\_session*

*from v$session*

*where blocking\_session\_status='VALID');*

## Revisar JOBS de Data Pump

*select \* from dba\_datapump\_jobs;*

*select \* from dba\_datapump\_sessions;*

*select username,opname,target\_desc,sofar,totalwork,message from V$SESSION\_LONGOPS;*

## Espacio disponible de tablespaces (Porcentajes)

***SELECT*** *t.tablespace\_name "Tablespace", t.status "Estado",*

*ROUND(MAX(d.bytes)/1024/1024,2) "MB TamaÃ±o",*

*ROUND((MAX(d.bytes)/1024/1024) -*

*(SUM(decode(f.bytes, NULL,0, f.bytes))/1024/1024),2) "MB Usados",*

*ROUND(SUM(decode(f.bytes, NULL,0, f.bytes))/1024/1024,2) "MB Libres",*

*t.pct\_increase "% incremento",*

*SUBSTR(d.file\_name,1,80) "Fichero de datos"*

*FROM DBA\_FREE\_SPACE f, DBA\_DATA\_FILES d, DBA\_TABLESPACES t*

*WHERE t.tablespace\_name = d.tablespace\_name AND*

*f.tablespace\_name(+) = d.tablespace\_name*

*AND f.file\_id(+) = d.file\_id GROUP BY t.tablespace\_name,*

*d.file\_name, t.pct\_increase, t.status ORDER BY 4 DESC;*

## Revisar parámetros del UNDO (secs)

*show parameter UNDO;*

***SELECT*** *state,*

*undoblocksdone,*

*undoblockstotal,*

*undoblocksdone / undoblockstotal \* 100*

*from v$fast\_start\_transactions;*

## -Información complete del Query dado un SQL\_ID

set pages 50000

col SQL\_TEXT for a75

select sql\_text from v$sqltext where sql\_id ='&sql\_id' order by piece;

SELECET \* FROM session\_privs;

# **Revisión de Performance Visualmente con SQL Developer**

## Instantáneas

## Visor de Instancias

## AWR

## ADDM

# **Utilizar Enterprise Manager**

## Vista inicial

## Hub de Rendimiento

## Asesor de ajustes SQL

## SQL Performance analyzer

select session\_id, lock\_type, mode\_held from dba\_locks where blocking\_others= 'Blocking';

select \* from dba\_blockers;

select \* from dba\_waiters;

     SELECT SID, OWNER, OBJECT, TYPE  
    FROM V$ACCESS  
    WHERE OBJECT = 'VE\_VEHICULAR';

SELECT \* FROM V$LOCKED\_OBJECT;

 select \* from dba\_objects where object\_id =;

   SELECT \*  
    FROM DBA\_DDL\_LOCKS  
    WHERE NAME = <PAQUETE> AND MODE\_HELD <> 'Null';

SELECT \*  
    FROM DBA\_DDL\_LOCKS  
    WHERE MODE\_HELD <> 'Null';

select blocking\_session,sid,serial#,username,  
machine,program,process  
from v$session where sid=(select blocking\_session  
                         from v$session  
                         where blocking\_session\_status='VALID');

SELECT s.sid,  
      NVL(s.username, 'ORACLE PROC') username,  
      s.osuser,  
      p.spid os\_pid,  
      s.program,  
      t.sql\_text  
FROM   v$session s,  
      v$sqltext t,  
      v$process p  
WHERE  s.sql\_hash\_value = t.hash\_value  
AND    s.paddr = p.addr  
AND    s.sid = &session\_id  
AND    t.piece = 0 -- optional to list just the first line  
ORDER BY s.sid, t.hash\_value, t.piece  
/

/\*otro modo de obtener bloqueos activos\*/  
  
select  decode(lob.kglobtyp,  
       0, 'NEXT OBJECT ',  
       1, 'INDEX ',  
       2, 'TABLE ',  
       3, 'CLUSTER ',  
       4, 'VIEW ',  
       5, 'SYNONYM ',  
       6, 'SEQUENCE ',  
       7, 'PROCEDURE ',  
       8, 'FUNCTION ',  
       9, 'PACKAGE ',  
       11, 'PACKAGE BODY ',  
       12, 'TRIGGER ',  
       13, 'TYPE ',  
       14, 'TYPE BODY ',  
       19, 'TABLE PARTITION ',  
       20, 'INDEX PARTITION ',  
       21, 'LOB ',  
       22, 'LIBRARY ',  
       23, 'DIRECTORY ',  
       24, 'QUEUE ',  
       28, 'JAVA SOURCE ',  
       29, 'JAVA CLASS ',  
       30, 'JAVA RESOURCE ',  
       32, 'INDEXTYPE ',  
       33, 'OPERATOR ',  
       34, 'TABLE SUBPARTITION ',  
       35, 'INDEX SUBPARTITION ',  
       40, 'LOB PARTITION ',  
       41, 'LOB SUBPARTITION ',  
       42, 'MATERIALIZED VIEW ',  
       43, 'DIMENSION ',  
       44, 'CONTEXT ',  
       46, 'RULE SET ',  
       47, 'RESOURCE PLAN ',  
       48, 'CONSUMER GROUP ',  
       51, 'SUBSCRIPTION ',  
       52, 'LOCATION ',  
       55, 'XML SCHEMA ',  
       56, 'JAVA DATA ',  
       57, 'SECURITY PROFILE ',  
       59, 'RULE ',  
       62, 'EVALUATION CONTEXT ',  
       'UNDEFINED ') object\_type,  
       lob.kglnaobj object\_name,  
       pn.kglpnmod lock\_mode\_held,  
       pn.kglpnreq lock\_mode\_requested,  
       ses.sid,  
       ses.serial#,  
       ses.username  
from    sys.v$session\_wait vsw,  
       sys.x$kglob lob,  
       sys.x$kglpn pn,  
       sys.v$session ses  
where   vsw.event = 'library cache lock '  
and     vsw.p1raw = lob.kglhdadr  
and     lob.kglhdadr = pn.kglpnhdl  
and     pn.kglpnmod != 0  
and     pn.kglpnuse = ses.saddr  
/

show parameter UNDO;

select state,  
undoblocksdone,  
undoblockstotal,  
undoblocksdone / undoblockstotal \* 100  
from v$fast\_start\_transactions;