Mahesh:::temp shud be less 10 % of db size

in sqlplan we need to look following key points:::

join

full tablescan

**adrci>**

**adrci>**

**adrci>**

**adrci> SHOW ALERT -P "MESSAGE\_TEXT LIKE '%ORA-01652%'"**

**(12:29:45 PM)** [**amit.s.tripathi@oracle.com**](mailto:amit.s.tripathi@oracle.com)**: col hash\_value for a40col tablespace for a10col username for a15set linesize 132 pagesize 1000 SYS@ALEXZENG: SQL> SELECT s.sid, s.username, u.tablespace, s.sql\_hash\_value||'/'||u.sqlhash hash\_value, u.segtype, u.contents, u.blocksFROM v$session s, v$tempseg\_usage uWHERE s.saddr=u.session\_addrorder by u.blocks;  
(12:29:49 PM)** [**amit.s.tripathi@oracle.com**](mailto:amit.s.tripathi@oracle.com)**: use this  
(12:29:57 PM) harshit.vishnoi: Hi Sir  
(12:30:06 PM) harshit.vishnoi: okie will fire and see the o/p  
(12:30:11 PM)** [**amit.s.tripathi@oracle.com**](mailto:amit.s.tripathi@oracle.com)**: ok  
(12:30:15 PM) harshit.vishnoi: then will come back to u**

NOTE:-to\_char(STARTUP\_TIME ,'dd-mon-yy,HH24:MI:SS') "STARTUP\_TIM"

sreekanth::::::::::::::::: select sql\_id,blocks from (select sql\_id,blocks from v$sort\_usage order by blocks desc) where rownum<=15;

***select SID,SERIAL#,SQL\_ID,MODULE,ACTION from gV$session where SQL\_ID='&sqlid';***

***select distinct(SESSION\_ID),SESSION\_SERIAL#,MODULE,ACTION  from gV$ACTIVE\_SESSION\_HISTORY where SQL\_ID='&sqlid';***

***SQL> select SQL\_ID, module, action, EXECUTIONS from gv$sql where SQL\_ID in ('1wuuj7psvtfdj');***

***SQL\_ID        MODULE  
------------- ----------------------------------------------------------------  
ACTION                                                           EXECUTIONS  
---------------------------------------------------------------- ----------  
1wuuj7psvtfdj e:SQLAP:frm:APXINWKB  
SQLAP/ABG CAD AP INVOICE USER OD                                        712  
  
1wuuj7psvtfdj e:SQLAP:frm:APXINWKB  
SQLAP/ABG CAD AP INVOICE USER OD                                        124***

***set head off***

***set verify off***

***set echo off***

***set pages 1500***

***set linesize 100***

***set lines 120***

***prompt***

***prompt Details of SID / SPID / Client PID***

***prompt ==================================***

***select /\*+ CHOOSE\*/***

***'Session  Id.............................................: '||s.sid,***

***'Serial Num..............................................: '||s.serial#,***

***'User Name ..............................................: '||s.username,***

***'Session Status .........................................: '||s.status,***

***'Client Process Id on Client Machine ....................: '||'\*'||s.process||'\*'  Client,***

***'Server Process ID ......................................: '||p.spid Server,***

***'Sql\_Address ............................................: '||s.sql\_address,***

***'Sql\_hash\_value .........................................: '||s.sql\_hash\_value,***

***'Schema Name ..... ......................................: '||s.SCHEMANAME,***

***'Program  ...............................................: '||s.program,***

***'Module .................................................: '|| s.module,***

***'Action .................................................: '||s.action,***

***'Terminal ...............................................: '||s.terminal,***

***'Client Machine .........................................: '||s.machine,***

***'LAST\_CALL\_ET ...........................................: '||s.last\_call\_et,***

***'S.LAST\_CALL\_ET/3600 ....................................: '||s.last\_call\_et/3600***

***from v$session s, v$process p***

***where p.addr=s.paddr and***

***s.sid=nvl('&sid',s.sid) and***

***p.spid=nvl('&spid',p.spid) and***

***nvl(s.process,-1) = nvl('&ClientPid',nvl(s.process,-1));***

1.look into the log file and trace file

bash-3.2$ view /pgpd1t/log/PGPD1T1\_auohsgpda07/bdump/alert\_PGPD1T1.log

if temp1/temp2/temp3 r there

SQL> select \* from dba\_tablespace\_groups;-------in farmacos

check for the sql for which it has occured

2.

bash-3.2$ pwd!

cd /ptsadmin/common/OHSMON

bash-3.2$ perl tempts.pl

$  perl tempts.pl

**\*------------------------**

**\* Work Order 167 Impact :**

**\*------------------------**

**Next Extent Size.... : 1 MB**

**All/Single Exts..... : 13/13**

**Wasted Temp Space... : Upto       11 MB**

**\*-------------------------------------**

**\* Temp Tablespace sizing information :**

**\*-------------------------------------**

**Current Users.. : 13**

**Current Time... : 12/06/12 18:48:18**

**Tablespace..... : TEMP**

**Max MB Used.... : 46504 MB====================being used**

**Tot MB Used%... : 0%========================current usage %**

**Free Space..... : 182252 MB=====================available free space**

**Used/TotTS Space: 13/182265 MB**

**Total TempFiles :  239,615 MB====================total =available+being used**

**Temp Advisory.. : Enough Overall Temp space (100%)**        \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*corresponding to instance 1\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Current Users.. : 42

Current Time... : 05/08/12 01:29:53

Tablespace..... : TEMP

Max MB Used.... : 9038 MB

Tot MB Used%... : 6.3%

Free Space..... : 6907 MB

Used/TotTS Space: 2031/8938 MB

Total TempFiles :   32,400 MB             \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*corresponding to instance 2\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Temp Advisory.. : Enough Overall Temp space (87.4%)         \*\*\*\*\*\*\*\*\*\*\*overall summary as temp is sharable\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

NOTE;-

1.free space in TEMP:

=======================

select tablespace\_name from dba\_tablespaces where contents='TEMPORARY';

set lines 152

col FreeSpaceGB  format  999.999

col UsedSpaceGB  format  999.999

col TotalSpaceGB  format 999.999

col host\_name     format  a30

col tablespace\_name format a30

select  tablespace\_name,

         (free\_blocks\*8)/1024/1024  FreeSpaceGB,

         (used\_blocks\*8)/1024/1024  UsedSpaceGB,

         (total\_blocks\*8)/1024/1024  TotalSpaceGB,

         i.instance\_name,i.host\_name

  from gv$sort\_segment ss,gv$instance i where ss.tablespace\_name in (select tablespace\_name from

  dba\_tablespaces where contents='TEMPORARY') and

  i.inst\_id=ss.inst\_id;

**This query will list highest usage of a particular day in MB**

select to\_char(BEGIN\_INTERVAL\_TIME,'mm/dd/yy') "WhichDate",  
max(TABLESPACE\_USEDSIZE) "HighestUsageOnThisDate"  
from DBA\_HIST\_SNAPSHOT dhs, DBA\_HIST\_TBSPC\_SPACE\_USAGE dhtsu  
where dhs.SNAP\_ID=dhtsu.SNAP\_ID and  
TABLESPACE\_ID in (select TS# from v$tablespace  
where NAME in (select TABLESPACE\_NAME from dba\_tablespaces where CONTENTS='TEMPORARY')  
)  
group by to\_char(BEGIN\_INTERVAL\_TIME,'mm/dd/yy')  
order by 1;

To find Total Free space in Temp Tablespace

select 'FreeSpace  ' || (free\_blocks\*8)/1024/1024 ||' GB'  from v$sort\_segment where tablespace\_name='TEMP';

To find  Total Space Allocated for Temp Tablespace

select 'TotalSpace ' || (sum(blocks)\*8)/1024/1024 ||' GB'  from dba\_temp\_files where tablespace\_name='TEMP';

SELECT tablespace\_name, extent\_size, total\_extents, used\_extents,free\_extents,

max\_used\_size FROM v$sort\_segment;

2. to chk free space info:

select

      (BYTES/1024)/1024 "Used Space(MB)",

      total  "allocated size(MB)",

      maxi "maximum allowable (MB)",

      maxi-(BYTES/1024)/1024 "effectivefree(MB)",

      --maxi-total "free(MB)",

      round(((maxi-(BYTES/1024)/1024)/maxi)\*100,2) "% FREE"

   from

      SM$TS\_USED,(select sum((BYTES/1024)/1024)

      total,sum((decode(MAXBYTES,0,bytes,maxbytes)/1024)/1024)  maxi from

      dba\_data\_files where tablespace\_name in ('&tbs')) where

      tablespace\_name in ('&tbs');

3. now addition of datafile to temp

a.

set lines 1900

set pages 1900

col FILE\_NAME for a60

col TABLESPACE\_NAME for a15

select \* from (select a.FILE\_NAME,a.TABLESPACE\_NAME,a.bytes/1024/1024,a.maxbytes/1024/1024,a.autoextensible,b.CREATION\_TIME from dba\_temp\_files a, v$tempfile b

where a.TABLESPACE\_NAME='&a'and a.FILE\_NAME=b.name order by a.FILE\_NAME desc ) where rownum <15;

note->>>>>> to\_char(begin\_time, 'mm/dd/yyyy hh24:mi')

set lines 1900

set pages 1900

col FILE\_NAME for a60

col TABLESPACE\_NAME for a15

select \* from (select a.FILE\_NAME,a.TABLESPACE\_NAME,a.bytes/1024/1024,a.maxbytes/1024/1024,a.autoextensible,to\_char(b.CREATION\_TIME, 'mm/dd/yyyy hh24:mi') from dba\_temp\_files a, v$tempfile b

where a.TABLESPACE\_NAME='&a'and a.FILE\_NAME=b.name order by a.FILE\_NAME desc ) where rownum <15;

SQL> select \* from dba\_tablespaces where TABLESPACE\_NAME like '%TEMP%';

TABLESPACE\_NAME BLOCK\_SIZE INITIAL\_EXTENT NEXT\_EXTENT MIN\_EXTENTS MAX\_EXTENTS   MAX\_SIZE PCT\_INCREASE MIN\_EXTLEN STATUS    CONTENTS  LOGGING   FOR EXTENT\_MAN ALLOCATIO PLU SEGMEN DEF\_TAB\_ RETENTIONBIG PREDICA ENC COMPRESS\_FOR

--------------- ---------- -------------- ----------- ----------- ----------- ---------- ------------ ---------- --------- --------- --------- --- ---------- --------- --- ------ -------- ----------- --- ------- --- ------------

TEMP                  8192        1048576     1048576           1             2147483645            0    1048576 ONLINE    TEMPORARY NOLOGGING NO  LOCAL      UNIFORM   NO  MANUAL DISABLED NOT APPLYNO  HOST    NO

1 row selected.

SQL> select \* from dba\_temp\_files where TABLESPACE\_NAME like '%TEMP%';

FILE\_NAME                                                       FILE\_ID TABLESPACE\_NAME      BYTES     BLOCKS STATUS  RELATIVE\_FNO AUT   MAXBYTES  MAXBLOCKS INCREMENT\_BY USER\_BYTES USER\_BLOCKS

------------------------------------------------------------ ---------- --------------- ---------- ---------- ------- ------------ --- ---------- ---------- ------------ ---------- -----------

/pmax1o/oradata/data01/temp\_15.dbf                                   15 TEMP             209715200      25600 ONLINE            15 YES 1887436800     230400         2560  208666624       25472

/pmax1o/oradata/data01/temp\_14.dbf                                   14 TEMP             209715200      25600 ONLINE            14 YES 1887436800     230400         2560  208666624       25472

/pmax1o/oradata/data01/temp\_13.dbf                                   13 TEMP            1887436800     230400 ONLINE            13 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_12.dbf                                   12 TEMP            1887436800     230400 ONLINE            12 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_11.dbf                                   11 TEMP            1887436800     230400 ONLINE            11 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_10.dbf                                   10 TEMP            1887436800     230400 ONLINE            10 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_09.dbf                                    9 TEMP            1887436800     230400 ONLINE             9 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_08.dbf                                    8 TEMP            1887436800     230400 ONLINE             8 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_06.dbf                                    7 TEMP            1887436800     230400 ONLINE             7 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_05.dbf                                    6 TEMP            1887436800     230400 ONLINE             6 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_04.dbf                                    5 TEMP            1887436800     230400 ONLINE             5 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_03.dbf                                    4 TEMP            1887436800     230400 ONLINE             4 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_02.dbf                                    3 TEMP            1887436800     230400 ONLINE             3 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data01/temp\_01.dbf                                    2 TEMP            1887436800     230400 ONLINE             2 YES 1887436800     230400        32000 1886388224      230272

/pmax1o/oradata/data02/temp01.dbf                                     1 TEMP            1887436800     230400 ONLINE             1 YES 1887436800     230400        32000 1886388224      230272

15 rows selected.

b.

alter tablespace TEMP add tempfile '/phanoi/oradata/data03/temp69.dbf' size 1800M;   - check format from previous added temp file follow that.

**alter tablespace PSTEMP add tempfile '/pcifsk/oradata/data02/pstemp11.dbf' size 200M autoextend on next 20M maxsize 10000M;**

alter tablespace FUSION\_TEMP add tempfile '/pcgxs010/oradata/data02/fusion\_temp02.dbf' size 6144M;

alter tablespace TEMP add tempfile '/pcola8/oradata/data02/temp07.dbf' size 1800M

                             in ASM

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*in ASM

**alter tablespace TEMP  add tempfile  '+DATA\_PWTPG3' size 200M autoextend on next 20M maxsize 30000M;**

**alter tablespace APPLSYSD add datafile '/pcypri/oradata/data01/applsysd\_82.dbf' size 5120M;**

sql>alter tablespace  TEMP  add tempfile '+DATA\_XD01'  autoextend on next 20M maxsize 5120M;

alter tablespace  TEMP2  add tempfile '+DATA\_PFNA2I'   size 10000M;

c.

alter database backup controlfile to trace;

alter database tempfile '/pchpg3/oradata/data02/temp04.dbf' autoextend on next 20M maxsize 4096M;

alter database backup controlfile to trace;

NOTE:-

1.view undots.prl

    print\_info('\* UNDO Tablespace sizing information: Node - '||p\_instid||', Instance - '||rec.instance\_name);

     print\_info('\*-----------------------------------------------------------------');

     print\_info('Undo Tablespace : '||p\_ltsname);

     print\_info('Undo Retention. : '||round(reten/3600,2)||' Hrs');

     print\_info('MaxQry Length.. : '||round(maxqry/3600,2)||' Hrs');

     print\_info('MaxUndo Used... : '||round(maxblks\*blksz/1024/1024,2)||' MB');

     print\_info('Undo Size Reqd. : '||min\_tssize\_reqd||' MB');

     print\_info('Undo TabSp Size : '||tbsize||' MB');

     v\_ext\_space := 0;

2.

SQL> desc  gv$undostat;

Name                                      Null?    Type

----------------------------------------- -------- ----------------------------

INST\_ID                                            NUMBER

BEGIN\_TIME                                         DATE

END\_TIME                                           DATE

UNDOTSN                                            NUMBER

UNDOBLKS                                           NUMBER

TXNCOUNT                                           NUMBER

MAXQUERYLEN                                        NUMBER

MAXQUERYID                                         VARCHAR2(13)

MAXCONCURRENCY                                     NUMBER

UNXPSTEALCNT                                       NUMBER

UNXPBLKRELCNT                                      NUMBER

UNXPBLKREUCNT                                      NUMBER

EXPSTEALCNT                                        NUMBER

EXPBLKRELCNT                                       NUMBER

EXPBLKREUCNT                                       NUMBER

SSOLDERRCNT                                        NUMBER

NOSPACEERRCNT                                      NUMBER

ACTIVEBLKS                                         NUMBER

UNEXPIREDBLKS                                      NUMBER

EXPIREDBLKS                                        NUMBER

TUNED\_UNDORETENTION                                NUMBER

3.

resizing of datafile

SQL> alter database datafile '+DATA01\_PCLO1I/pclo1i/datafile/apps\_undots1.3095.788393669' resize 200M;

Database altered.

SQL> alter database datafile '+DATA01\_PCLO1I/pclo1i/datafile/apps\_undots1.3095.788393669' autoextend on next 20m maxsize 1800m;

Database altered.

SQL> alter database backup controlfile to trace;

Database altered.

**Big  file table space**

**\**

**about Big file tablespace  
===================  
1) it will contain only 1 datafile  won't allow you to add more files**

**ALTER TABLESPACE TSNAME RESIZE SIZE (M/G);(If no auto extend)**

**alter tablespace MSP\_INDEX AUTOEXTEND ON MAXSIZE 955 G;(with Auto extend)**

**If you find any issues like thresh hold not cleared after resizing  also then you can check with OHSMON team for help.**

**Saravanan, Is this added to TBS SRG?**

**L1/L2 team, Please Go through emails which relate to work and process without miss.**

**Thanks&Regards,  
  
Jhansi Jaladi | Senior Technical Analyst  
Work : +91.40.66053060 | Mobile : +91.9949801449  
Oracle On Demand.**

**From: krishna kumar   
Sent: Friday, August 31, 2012 11:32 AM  
To: sreekanth allampati; SARAVANAN,SUBRAMANIAN  
Cc: ohsmon\_in  
Subject: Re: Space issue with Big datafile tablespace**

**Sreekanth - Very good update.  
  
Saravanan - Get the TBS SRG updated to reflect this.  
  
thanks  
KK  
  
On 8/31/2012 10:18 AM, sreekanth allampati wrote:**

**Hi team,  
  
  
Please follow the instruction while handling the Big datafile tablespace  
  
  
  
query to check Big  datafile tablespace  
  
  
   
SQL> select Name,BIGFILE from v$tablespace  where name='MSP\_INDEX';  
   
NAME                           BIG  
------------------------------ ---  
MSP\_INDEX                      YES  
   
1 row selected.  
   
  
  
  
  
about Big file tablespace  
===================  
1) it will contain only 1 datafile  won't allow you to add more files  
  
2)Unlike normal tablespace you can't just resize the datafile. For resizing datafile use**

**ALTER TABLESPACE TSNAME RESIZE SIZE (M/G);(If no auto extend)**

**alter tablespace MSP\_INDEX AUTOEXTEND ON MAXSIZE 955 G;(with Auto extend)**

**Ref sr ;-3-6142984659**