[oracle@lnx001 jpmc-aspm]$ sqlplus / as sysdba

SQL\*Plus: Release 19.0.0.0.0 - Production on Sat Feb 17 16:09:03 2024

Version 19.12.0.0.0

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Connected to:

Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

Version 19.12.0.0.0

SQL> select name, dbid from v$database;

NAME DBID

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

TARGET 3444249045

SQL> create directory perfstage as '/goldengate/perfstage';

Directory created.

SQL> grant read, write on directory perfstage to public;

Grant succeeded.

SQL>

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

SAME ON TARGET DB

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

EXPORT AWRS:

cd $ORACLE\_HOME/rdbms/admin/

[oracle@lnx001 admin]$ ls awrex\*

awrextr\_pre20.sql awrextr.sql

[oracle@lnx001 admin]$ sqlplus / as sysdba

SQL\*Plus: Release 19.0.0.0.0 - Production on Sat Feb 17 16:34:45 2024

Version 19.12.0.0.0

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Connected to:

Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

Version 19.12.0.0.0

SQL> @awrextr.sql

~~~~~~~~~~~~~

AWR EXTRACT

~~~~~~~~~~~~~

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

~ This script will extract the AWR data for a range of snapshots ~

~ into a dump file. The script will prompt users for the ~

~ following information: ~

~ (1) database id ~

~ (2) snapshot range to extract ~

~ (3) name of directory object ~

~ (4) name of dump file ~

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Databases in this Workload Repository schema

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

DB Id DB Name Host

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

\* 3444249045 TARGET lnx001

The default database id is the local one: '3444249045'. To use this

database id, press <return> to continue, otherwise enter an alternative.

Enter value for dbid:

Using 3444249045 for Database ID

Specify the number of days of snapshots to choose from

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Entering the number of days (n) will result in the most recent

(n) days of snapshots being listed. Pressing <return> without

specifying a number lists all completed snapshots.

Enter value for num\_days: 1

Listing the last day's Completed Snapshots

DB Name Snap Id Snap Started

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

TARGET 164 17 Feb 2024 15:53

165 17 Feb 2024 16:30

Specify the Begin and End Snapshot Ids

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Enter value for begin\_snap: 164

Begin Snapshot Id specified: 164

Enter value for end\_snap: 165

End Snapshot Id specified: 165

Specify the Directory Name

~~~~~~~~~~~~~~~~~~~~~~~~~~

Directory Name Directory Path

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

DATA\_PUMP\_DIR /u01/app/oracle/admin/target/dpdump/

DBMS\_OPTIM\_ADMINDIR /u01/app/oracle/product/19c/dbhome\_1/rdbms/admin

DBMS\_OPTIM\_LOGDIR /u01/app/oracle/product/19c/dbhome\_1/cfgtoollogs

GGS\_DDL\_TRACE /u01/app/oracle/product/19c/dbhome\_1/rdbms/log

JAVA$JOX$CUJS$DIRECTORY$ /u01/app/oracle/product/19c/dbhome\_1/javavm/admin

/

OPATCH\_INST\_DIR /u01/app/oracle/product/19c/dbhome\_1/OPatch

OPATCH\_LOG\_DIR /u01/app/oracle/product/19c/dbhome\_1/rdbms/log

OPATCH\_SCRIPT\_DIR /u01/app/oracle/product/19c/dbhome\_1/QOpatch

ORACLE\_BASE /u01/app/oracle

Directory Name Directory Path

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

ORACLE\_HOME /u01/app/oracle/product/19c/dbhome\_1

ORACLE\_OCM\_CONFIG\_DIR /u01/app/oracle/product/19c/dbhome\_1/ccr/state

ORACLE\_OCM\_CONFIG\_DIR2 /u01/app/oracle/product/19c/dbhome\_1/ccr/state

PERFSTAGE /goldengate/perfstage

SDO\_DIR\_ADMIN /u01/app/oracle/product/19c/dbhome\_1/md/admin

SDO\_DIR\_WORK

XMLDIR /u01/app/oracle/product/19c/dbhome\_1/rdbms/xml

XSDDIR /u01/app/oracle/product/19c/dbhome\_1/rdbms/xml/sc

hema

Choose a Directory Name from the above list (case-sensitive).

Enter value for directory\_name: PERFSTAGE

Using the dump directory: PERFSTAGE

Specify the Name of the Extract Dump File

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

The prefix for the default dump file name is awrdat\_164\_165.

To use this name, press <return> to continue, otherwise enter

an alternative.

Enter value for file\_name:

Using the dump file prefix: awrdat\_164\_165

|

| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

| The AWR extract dump file will be located

| in the following directory/file:

| /goldengate/perfstage

| awrdat\_164\_165.dmp

| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

|

| \*\*\* AWR Extract Started ...

|

| This operation will take a few moments. The

| progress of the AWR extract operation can be

| monitored in the following directory/file:

| /goldengate/perfstage

| awrdat\_164\_165.log

|

End of AWR Extract

SQL>

++++++++++++++++++TRANSFER AWR DUMP ++++++++++++++++++++++

[oracle@lnx001 perfstage]$ hostname

lnx001

[oracle@lnx001 perfstage]$ scp awrdat\_164\_165.dmp lnx002:/goldengate/perfstage

The authenticity of host 'lnx002 (192.168.1.79)' can't be established.

ECDSA key fingerprint is SHA256:YMR/ltt/8oZdw/1jmuYZrkYUQoKiinmmLLuS67Knh8M.

ECDSA key fingerprint is MD5:1a:6d:f3:32:86:7b:65:66:83:96:36:cd:94:e3:f0:e0.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added 'lnx002,192.168.1.79' (ECDSA) to the list of known hosts.

oracle@lnx002's password:

awrdat\_164\_165.dmp 100% 15MB 39.9MB/s 00:00

[oracle@lnx001 perfstage]$

++++++++++++++++IMPORT INTO TARGET++++++++++++++++++++++++

SQL> @awrload.sql;

~~~~~~~~~~

AWR LOAD

~~~~~~~~~~

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

~ This script will load the AWR data from a dump file. The ~

~ script will prompt users for the following information: ~

~ (1) name of directory object ~

~ (2) name of dump file ~

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Specify the Directory Name

~~~~~~~~~~~~~~~~~~~~~~~~~~

Directory Name Directory Path

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

DATA\_PUMP\_DIR /u01/app/oracle/admin/target/dpdump/

DBMS\_OPTIM\_ADMINDIR /u01/app/oracle/product/19c/dbhome\_1/rdbms/admin

DBMS\_OPTIM\_LOGDIR /u01/app/oracle/product/19c/dbhome\_1/cfgtoollogs

JAVA$JOX$CUJS$DIRECTORY$ /u01/app/oracle/product/19c/dbhome\_1/javavm/admin

/

OPATCH\_INST\_DIR /u01/app/oracle/product/19c/dbhome\_1/OPatch

OPATCH\_LOG\_DIR /u01/app/oracle/product/19c/dbhome\_1/rdbms/log

OPATCH\_SCRIPT\_DIR /u01/app/oracle/product/19c/dbhome\_1/QOpatch

ORACLE\_BASE /u01/app/oracle

ORACLE\_HOME /u01/app/oracle/product/19c/dbhome\_1

ORACLE\_OCM\_CONFIG\_DIR /u01/app/oracle/product/19c/dbhome\_1/ccr/state

ORACLE\_OCM\_CONFIG\_DIR2 /u01/app/oracle/product/19c/dbhome\_1/ccr/state

PERFSTAGE /goldengate/perfstage

SDO\_DIR\_ADMIN /u01/app/oracle/product/19c/dbhome\_1/md/admin

SDO\_DIR\_WORK

XMLDIR /u01/app/oracle/product/19c/dbhome\_1/rdbms/xml

XSDDIR /u01/app/oracle/product/19c/dbhome\_1/rdbms/xml/sc

hema

Choose a Directory Name from the list above (case-sensitive).

Enter value for directory\_name: PERFSTAGE

Using the dump directory: PERFSTAGE

Specify the Name of the Dump File to Load

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Please specify the prefix of the dump file (.dmp) to load:

Enter value for file\_name: awrdat\_164\_165 <==== This dump file name has to be witout the .dmp extension

Loading from the file name: awrdat\_164\_165.dmp

|

| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

| Loading the AWR data from the following

| directory/file:

| /goldengate/perfstage

| awrdat\_164\_165.dmp

| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

|

| \*\*\* AWR Load Started ...

|

| This operation will take a few moments. The

| progress of the AWR load operation can be

| monitored in the following directory/file:

| /goldengate/perfstage

| awrdat\_164\_165.log

|

End of AWR Load

SQL>

SQL> select distinct dbid from DBA\_HIST\_SNAPSHOT;

3444249045

SQL>

SQL> @?/rdbms/admin/awrrpt.sql;

Specify the Report Type

~~~~~~~~~~~~~~~~~~~~~~~

AWR reports can be generated in the following formats. Please enter the

name of the format at the prompt. Default value is 'html'.

'html' HTML format (default)

'text' Text format

'active-html' Includes Performance Hub active report

Enter value for report\_type: text

Type Specified: text

Current Instance

~~~~~~~~~~~~~~~~

DB Id DB Name Inst Num Instance Container Name

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

3444249045 TARGET 1 target target

Instances in this Workload Repository schema

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

DB Id Inst Num DB Name Instance Host

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

3444249045 1 TARGET target lnx001 <=================== original host

\* 3444249045 1 TARGET target lnx002

Using 3444249045 for database Id

Using 1 for instance number

Specify the number of days of snapshots to choose from

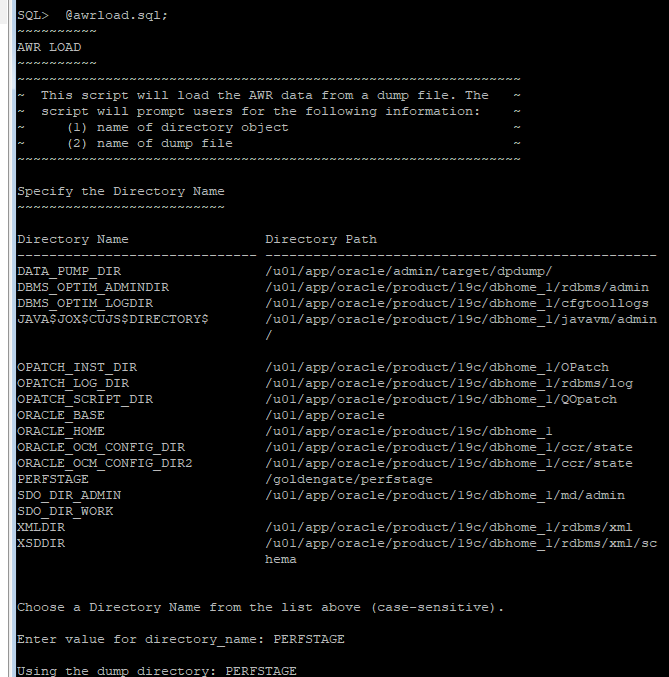
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

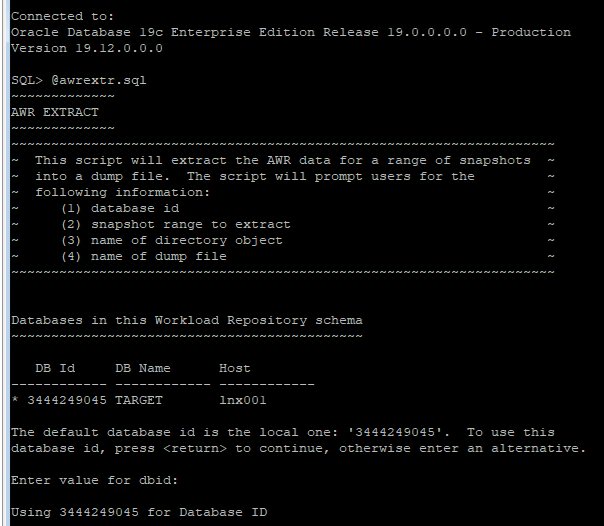
Entering the number of days (n) will result in the most recent

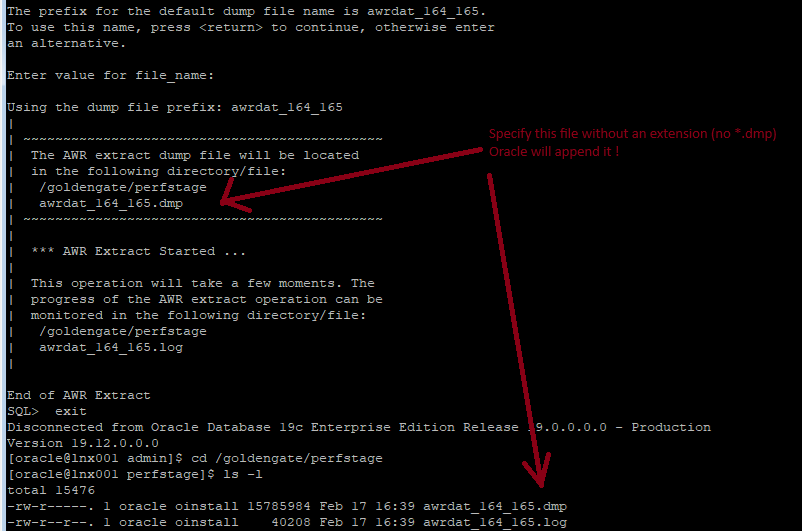
(n) days of snapshots being listed. Pressing <return> without

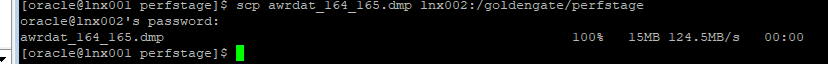
specifying a number lists all completed snapshots.

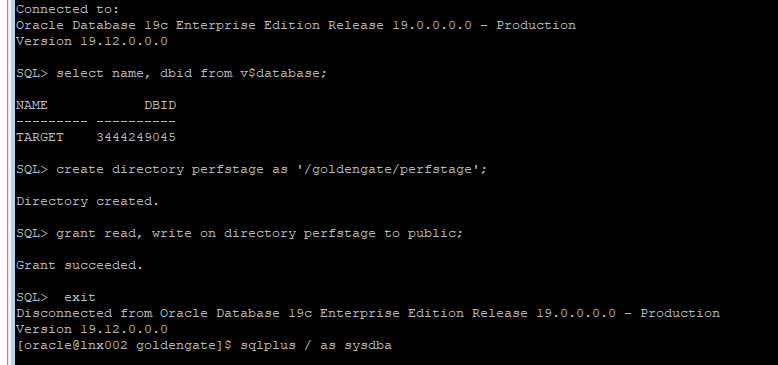
Enter value for num\_days:

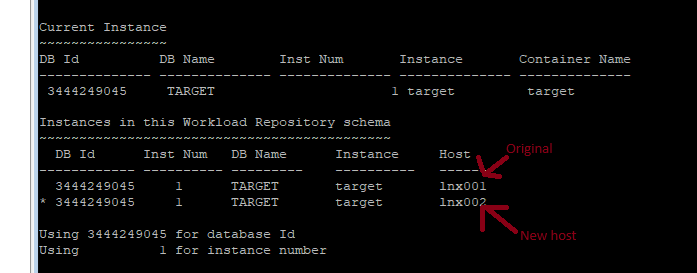




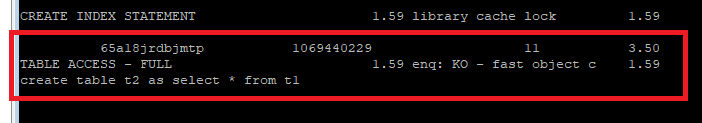








On DEV node, run awrrpt to get an imported from the PROD server SQL ID:



SQL> select value(p) from table(dbms\_sqltune.select\_cursor\_cache('sql\_id =''65a18jrdbjmtp''',NULL,NULL,NULL,NULL,1,NULL,'ALL')) p;

no rows selected

SQL> EXEC dbms\_sqltune.create\_sqlset('ASPM\_JPMC\_STS');

PL/SQL procedure successfully completed.

SQL> *DECLARE*

*cur sys\_refcursor;*

*BEGIN*

*open cur for*

*select value(p) from table(dbms\_sqltune.select\_workload\_repository(begin\_snap => 164, end\_snap => 165)) p;*

*dbms\_sqltune.load\_sqlset('ASPM\_JPMC\_STS', cur);*

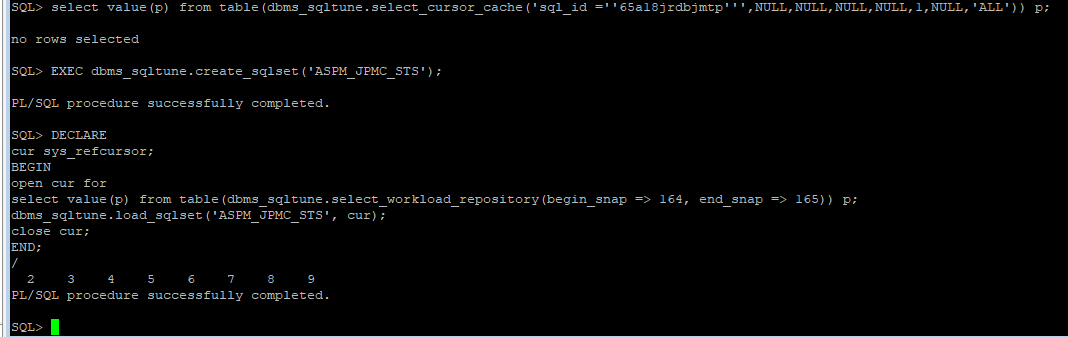
*close cur;*

*END;*

*/*

PL/SQL procedure successfully completed.

SQL>



***SQL> variable pls number;***

***SQL> exec :pls := dbms\_spm.load\_plans\_from\_sqlset(sqlset\_name => 'ASPM\_JPMC\_STS');***

PL/SQL procedure successfully completed.

SQL>

SQL> *select NAME, OWNER, STATEMENT\_COUNT, description from dba\_sqlset where name='ASPM\_JPMC\_STS';*

NAME

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

OWNER

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

STATEMENT\_COUNT

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

DESCRIPTION

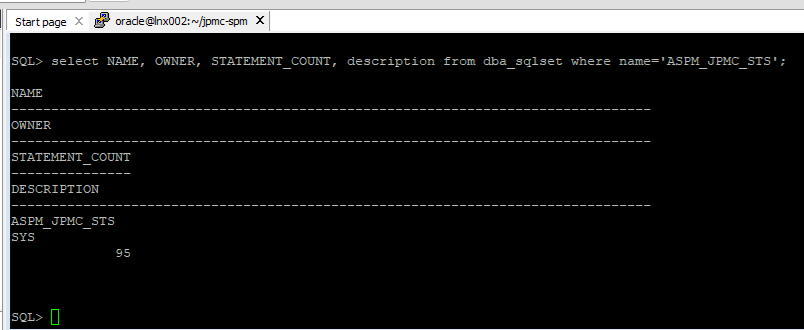
--------------------------------------------------------------------------------

ASPM\_JPMC\_STS

SYS

95

SQL>



SQL> DECLARE

l\_plans\_loaded PLS\_INTEGER;

BEGIN

l\_plans\_loaded := DBMS\_SPM.load\_plans\_from\_cursor\_cache(

sql\_id => '65a18jrdbjmtp');

END;

/

2 3 4 5 6 7

PL/SQL procedure successfully completed.

SQL>

SQL> show parameter baseline

NAME TYPE VALUE

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

optimizer\_capture\_sql\_plan\_baselines boolean FALSE

optimizer\_use\_sql\_plan\_baselines boolean TRUE

SQL> alter system set optimizer\_capture\_sql\_plan\_baselines=TRUE scope=both;

System altered.

SQL>

SELECT \* FROM TABLE(DBMS\_SQLTUNE.SELECT\_SQLSET(SQLSET\_NAME => 'ASPM\_JPMC\_STS'));

SQL>

DECLARE

MY\_PLANS PLS\_INTEGER;

BEGIN

MY\_PLANS := DBMS\_SPM.LOAD\_PLANS\_FROM\_SQLSET(SQLSET\_NAME=>'ASPM\_JPMC\_STS', BASIC\_FILTER=> NULL );

END;

/SQL> 2 3 4 5 6

PL/SQL procedure successfully completed.

SQL>

SQL> DECLARE

l\_plans\_loaded PLS\_INTEGER;

BEGIN

l\_plans\_loaded := DBMS\_SPM.load\_plans\_from\_sqlset(

sqlset\_name => 'ASPM\_JPMC\_STS');

END;

/

2 3 4 5 6 7

PL/SQL procedure successfully completed.

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

ORA-06512: at line 4

SQL>

SQL> DECLARE

l\_sql\_tune\_task\_id VARCHAR2(100);

BEGIN

l\_sql\_tune\_task\_id := DBMS\_SQLTUNE.create\_tuning\_task (

begin\_snap => 164,

end\_snap => 165,

sql\_id => '65a18jrdbjmtp',

scope => DBMS\_SQLTUNE.scope\_comprehensive,

time\_limit => 60,

task\_name => 'AWR\_JPMC\_tuning\_task',

description => 'Tuning task for statement 65a18jrdbjmtp from PROD in AWR');

DBMS\_OUTPUT.put\_line('l\_sql\_tune\_task\_id: ' || l\_sql\_tune\_task\_id);

END;

/

2 3 4 5 6 7 8 9 10 11 12 13 14 l\_sql\_tune\_task\_id: AWR\_JPMC\_tuning\_task

PL/SQL procedure successfully completed.

SQL> EXEC DBMS\_SQLTUNE.execute\_tuning\_task(task\_name => 'AWR\_JPMC\_tuning\_task');

PL/SQL procedure successfully completed.

SQL> SELECT task\_name, status

FROM dba\_advisor\_log

WHERE task\_name like ' 2 3 AWR\_JPMC\_tuning\_task';

TASK\_NAME STATUS

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

AWR\_JPMC\_tuning\_task COMPLETED

SQL> SET LONG 10000;

SET PAGESIZE 1000

SET LINESIZE 200

SELECT DBMS\_SQLTUNE.report\_tuning\_task('AWR\_JPMC\_tuning\_task1') AS recommendations FROM dual;SQL> SQL> SQL>

RECOMMENDATIONS

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

GENERAL INFORMATION SECTION

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

Tuning Task Name : AWR\_JPMC\_tuning\_task

Tuning Task Owner : SYS

Workload Type : Single SQL Statement

Execution Count : 2

Current Execution : EXEC\_432

Execution Type : TUNE SQL

Scope : COMPREHENSIVE

Time Limit(seconds): 60

Completion Status : COMPLETED

Started at : 02/18/2024 22:33:25

Completed at : 02/18/2024 22:33:25

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

Schema Name: PERFLAB

SQL ID : 65a18jrdbjmtp

SQL Text : create table t2 as select \* from t1

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

There are no recommendations to improve the statement.

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

SQL>

++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

SQL> SET SERVEROUTPUT ON

-- Tuning task created for specific a statement from the AWR.

DECLARE

l\_sql\_tune\_task\_id VARCHAR2(100);

BEGIN

l\_sql\_tune\_task\_id := DBMS\_SQLTUNE.create\_tuning\_task (

begin\_snap => 164,

end\_snap => 165,

sql\_id => 'crwk7wufavmtk',

scope => DBMS\_SQLTUNE.scope\_comprehensive,

time\_limit => 60,

task\_name => 'crwk7wufavmtk\_AWR\_tuning\_task',

description => 'Tuning task for statement crwk7wufavmtk in AWR.');

DBMS\_OUTPUT.put\_line('l\_sql\_tune\_task\_id: ' || l\_sql\_tune\_task\_id);

END;

/SQL> SQL> SQL> 2 3 4 5 6 7 8 9 10 11 12 13 14

l\_sql\_tune\_task\_id: crwk7wufavmtk\_AWR\_tuning\_task

PL/SQL procedure successfully completed.

SQL> EXEC DBMS\_SQLTUNE.execute\_tuning\_task(task\_name => 'crwk7wufavmtk\_AWR\_tuning\_task');

PL/SQL procedure successfully completed.

SQL> SET LONG 10000;

SET PAGESIZE 1000

SET LINESIZE 200

SELECT DBMS\_SQLTUNE.report\_tuning\_task('SQL> SQL> SQL> crwk7wufavmtk\_AWR\_tuning\_task') AS recommendations FROM dual;

RECOMMENDATIONS

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

GENERAL INFORMATION SECTION

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

Tuning Task Name : crwk7wufavmtk\_AWR\_tuning\_task

Tuning Task Owner : SYS

Workload Type : Single SQL Statement

Scope : COMPREHENSIVE

Time Limit(seconds): 60

Completion Status : COMPLETED

Started at : 02/19/2024 15:12:50

Completed at : 02/19/2024 15:12:50

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

Schema Name: PERFLAB

SQL ID : crwk7wufavmtk

SQL Text : insert /\*+ APPEND \*/ into t1

select DECODE(parity, 0,rn, 1,rn+1000000), :str, 1,

DECODE(parity, 0,rn, 1,10)

from (

select trunc((rownum+1)/2) as rn, mod(rownum+1,2) as parity

from (select null from dual connect by level <= 1000)

, (select null from dual connect by level <= 500)

)

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

FINDINGS SECTION (1 finding)

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

1- Restructure SQL finding (see plan 1 in explain plans section)

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

An expensive cartesian product operation was found at line ID 5 of the

execution plan.

Recommendation

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

- Consider removing the disconnected table or view from this statement or

add a join condition which refers to it.

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

ADDITIONAL INFORMATION SECTION

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

- The optimizer could not merge the view at line ID 10 of the execution plan.

The optimizer cannot merge a view that contains a "START WITH" clause.

- The optimizer could not merge the view at line ID 6 of the execution plan.

The optimizer cannot merge a view that contains a "START WITH" clause.

- The optimizer could not merge the view at line ID 3 of the execution plan.

The optimizer cannot merge a view that contains a "ROWNUM" pseudo column.

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

EXPLAIN PLANS SECTION

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

1- Original

-----------

Plan hash value: 1619500012

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

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

| Id | Operation | Name | Rows | Bytes | Cost (%CPU)

| Time |

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

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

| 0 | INSERT STATEMENT | | 1 | 26 | 4 (0)

| 00:00:01 |

| 1 | LOAD AS SELECT | T1 | | |

| |

| 2 | OPTIMIZER STATISTICS GATHERING | | 1 | 26 | 4 (0)

| 00:00:01 |

| 3 | VIEW | | 1 | 26 | 4 (0)

| 00:00:01 |

| 4 | COUNT | | | |

| |

| 5 | MERGE JOIN CARTESIAN | | 1 | | 4 (0)

| 00:00:01 |

| 6 | VIEW | | 1 | | 2 (0)

| 00:00:01 |

|\* 7 | CONNECT BY WITHOUT FILTERING | | | |

| |

| 8 | FAST DUAL | | 1 | | 2 (0)

| 00:00:01 |

| 9 | BUFFER SORT | | 1 | | 4 (0)

| 00:00:01 |

| 10 | VIEW | | 1 | | 2 (0)

| 00:00:01 |

|\* 11 | CONNECT BY WITHOUT FILTERING| | | |

| |

| 12 | FAST DUAL | | 1 | | 2 (0)

| 00:00:01 |

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

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

Predicate Information (identified by operation id):

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

7 - filter(LEVEL<=1000)

11 - filter(LEVEL<=500)

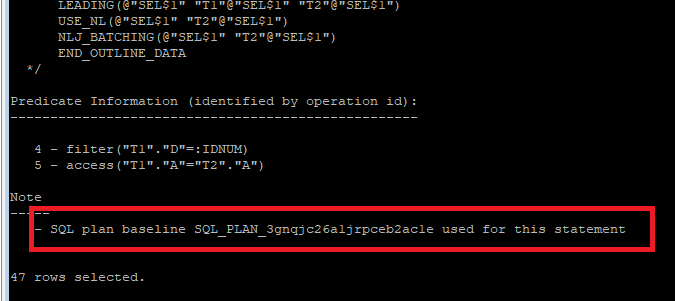
-------------------------------------------------------------------------------

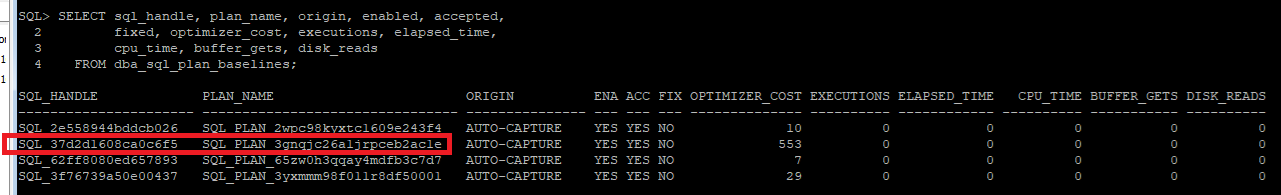
SQL>

2024 Feb 25

Packing one SQLID inside a baseline and send it back to LNX001

Still on Lnx002





SQL> @list.sql;

SQL>

SQL> SELECT sql\_handle, plan\_name, origin, enabled, accepted,

2 fixed, optimizer\_cost, executions, elapsed\_time,

3 cpu\_time, buffer\_gets, disk\_reads

4 FROM dba\_sql\_plan\_baselines;

SQL\_HANDLE PLAN\_NAME ORIGIN ENA ACC FIX OPTIMIZER\_COST EXECUTIONS ELAPSED\_TIME CPU\_TIME BUFFER\_GETS DISK\_READS

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

SQL\_2e558944bddcb026 SQL\_PLAN\_2wpc98kyxtc1609e243f4 AUTO-CAPTURE YES YES NO 10 0 0 0 0 0

SQL\_37d2d1608ca0c6f5 SQL\_PLAN\_3gnqjc26a1jrpceb2ac1e AUTO-CAPTURE YES YES NO 553 0 0 0 0 0

SQL\_62ff8080ed657893 SQL\_PLAN\_65zw0h3qqay4mdfb3c7d7 AUTO-CAPTURE YES YES NO 7 0 0 0 0 0

SQL\_3f76739a50e00437 SQL\_PLAN\_3yxmmm98f011r8df50001 AUTO-CAPTURE YES YES NO 29 0 0 0 0 0

SQL\_3b28de16b9e66c28 SQL\_PLAN\_3qa6y2uwycv188855b07e AUTO-CAPTURE YES YES NO 0 0 0 0 0 0

SQL>

SQL> set echo off

SQL> select sys\_context('USERENV','SERVER\_HOST') from dual;

SYS\_CONTEXT('USERENV','SERVER\_HOST')

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

lnx002

SQL> connect perflab/perf$lab

Connected.

SQL> BEGIN

DBMS\_SPM.CREATE\_STGTAB\_BASELINE(

table\_name => 'PERFLAB\_STG\_TB',

table\_owner => 'PERFLAB',

tablespace\_name => 'USERS');

END;

/ 2 3 4 5 6 7

PL/SQL procedure successfully completed.

SQL>

SQL> SET SERVEROUTPUT ON

DECLARE

l\_plans\_packed PLS\_INTEGER;

BEGIN

l\_plans\_packed := DBMS\_SPM.pack\_stgtab\_baseline(

table\_name => 'PERFLAB\_STG\_TB',

table\_owner => 'PERFLAB',

sql\_handle => 'SQL\_37d2d1608ca0c6f5',

plan\_name => 'SQL\_PLAN\_3gnqjc26a1jrpceb2ac1e');

DBMS\_OUTPUT.put\_line('Plans Packed: ' || l\_plans\_packed);

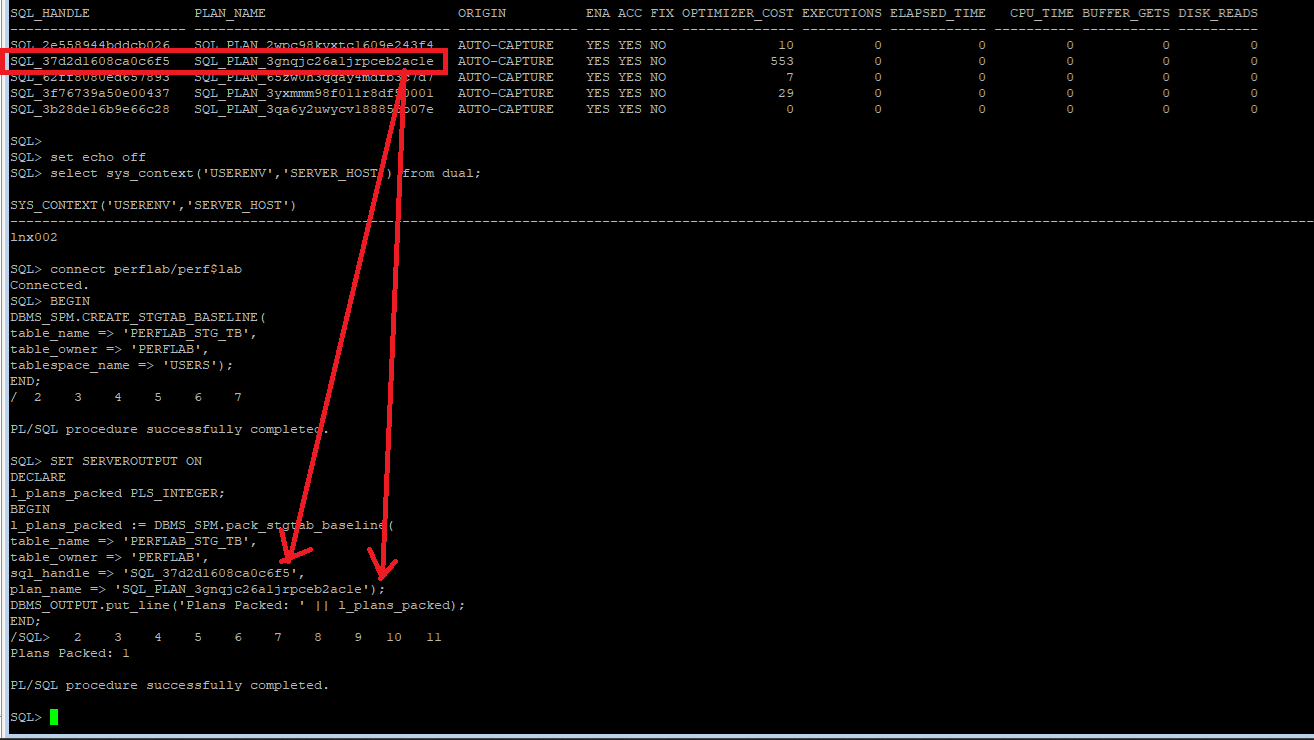
END;

/SQL> 2 3 4 5 6 7 8 9 10 11

Plans Packed: 1

PL/SQL procedure successfully completed.

SQL>



[oracle@lnx002 perfstage]$ expdp perflab/perf$lab dumpfile=PERFLAB\_STG\_TB.dmp logfile=PERFLAB\_STG\_TB.log directory=PERFSTAGE tables=PERFLAB.PERFLAB\_STG\_TB

Export: Release 19.0.0.0.0 - Production on Sun Feb 25 19:48:57 2024

Version 19.12.0.0.0

Copyright (c) 1982, 2019, Oracle and/or its affiliates. All rights reserved.

UDE-01017: operation generated ORACLE error 1017

ORA-01017: invalid username/password; logon denied

Username: perflab

Password:

Connected to: Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

Starting "PERFLAB"."SYS\_EXPORT\_TABLE\_01": perflab/\*\*\*\*\*\*\*\* dumpfile=PERFLAB\_STG\_TB.dmp logfile=PERFLAB\_STG\_TB.log directory=PERFSTAGE tables=PERFLAB.PERFLAB\_STG\_TB

Processing object type TABLE\_EXPORT/TABLE/TABLE\_DATA

Processing object type TABLE\_EXPORT/TABLE/INDEX/STATISTICS/INDEX\_STATISTICS

Processing object type TABLE\_EXPORT/TABLE/STATISTICS/TABLE\_STATISTICS

Processing object type TABLE\_EXPORT/TABLE/STATISTICS/MARKER

Processing object type TABLE\_EXPORT/TABLE/TABLE

. . exported "PERFLAB"."PERFLAB\_STG\_TB" 47.39 KB 7 rows

Master table "PERFLAB"."SYS\_EXPORT\_TABLE\_01" successfully loaded/unloaded

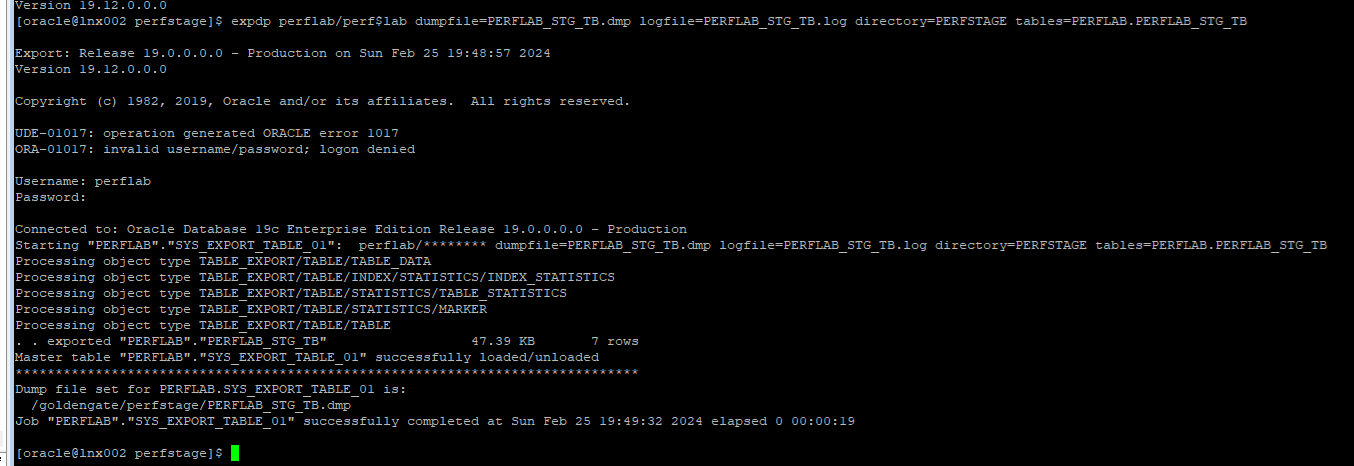
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Dump file set for PERFLAB.SYS\_EXPORT\_TABLE\_01 is:

/goldengate/perfstage/PERFLAB\_STG\_TB.dmp

Job "PERFLAB"."SYS\_EXPORT\_TABLE\_01" successfully completed at Sun Feb 25 19:49:32 2024 elapsed 0 00:00:19

[oracle@lnx002 perfstage]$



[oracle@lnx002 perfstage]$ scp /goldengate/perfstage/PERFLAB\_STG\_TB.dmp lnx001:/tmp

oracle@lnx001's password:

PERFLAB\_STG\_TB.dmp 100% 336KB 44.9MB/s 00:00

[oracle@lnx002 perfstage]$ ssh lnx001

oracle@lnx001's password:

Last login: Sun Feb 25 19:08:43 2024 from lnx002

ORACLE\_SID=target

ORACLE\_HOME=/goldengate/target

RDBMS\_HOME=/u01/app/oracle/product/19c/dbhome\_1

WALLET=/u01/app/oracle/admin/target/oud\_wallet

TNS\_ADMIN=/u01/app/oracle/product/19c/network/admin

[oracle@lnx001 ~]$

Lnx001 :

[oracle@lnx001 ~]$ ls -l /tmp/\*.dmp

-rw-r-----. 1 oracle oinstall 344064 Feb 25 19:51 /tmp/PERFLAB\_STG\_TB.dmp

-rw-r-----. 1 oracle oinstall 77824 Feb 25 19:04 /tmp/stage\_to\_lnx001.dmp

[oracle@lnx001 ~]$ cp /tmp/PERFLAB\_STG\_TB.dmp /goldengate/perfstage/

[oracle@lnx001 ~]$ cd /goldengate/perfstage/

[oracle@lnx001 perfstage]$ ls -ltr

total 15896

-rw-r-----. 1 oracle oinstall 15785984 Feb 17 16:39 awrdat\_164\_165.dmp

-rw-r--r--. 1 oracle oinstall 40208 Feb 17 16:39 awrdat\_164\_165.log

-rw-r-----. 1 oracle oinstall 77824 Feb 25 19:09 stage\_to\_lnx001.dmp

-rw-r-----. 1 oracle oinstall 344064 Feb 25 19:52 PERFLAB\_STG\_TB.dmp

[oracle@lnx001 perfstage]$

[oracle@lnx001 perfstage]$ impdp perflab/perf$lab dumpfile=PERFLAB\_STG\_TB.dmp logfile=dumpfile=PERFLAB\_STG\_TB.log directory=PERFSTAGE

LRM-00116: syntax error at 'dumpfile' following '='

[oracle@lnx001 perfstage]$ impdp perflab/perf$lab dumpfile=PERFLAB\_STG\_TB.dmp logfile=PERFLAB\_STG\_TB.log directory=PERFSTAGE

Import: Release 19.0.0.0.0 - Production on Sun Feb 25 19:55:31 2024

Version 19.12.0.0.0

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UDI-01017: operation generated ORACLE error 1017

ORA-01017: invalid username/password; logon denied

Username: perflab

Password:

Connected to: Oracle Database 19c Enterprise Edition Release 19.0.0.0.0 - Production

Master table "PERFLAB"."SYS\_IMPORT\_FULL\_01" successfully loaded/unloaded

Starting "PERFLAB"."SYS\_IMPORT\_FULL\_01": perflab/\*\*\*\*\*\*\*\* dumpfile=PERFLAB\_STG\_TB.dmp logfile=PERFLAB\_STG\_TB.log directory=PERFSTAGE

Processing object type TABLE\_EXPORT/TABLE/TABLE

Processing object type TABLE\_EXPORT/TABLE/TABLE\_DATA

. . imported "PERFLAB"."PERFLAB\_STG\_TB" 47.39 KB 7 rows

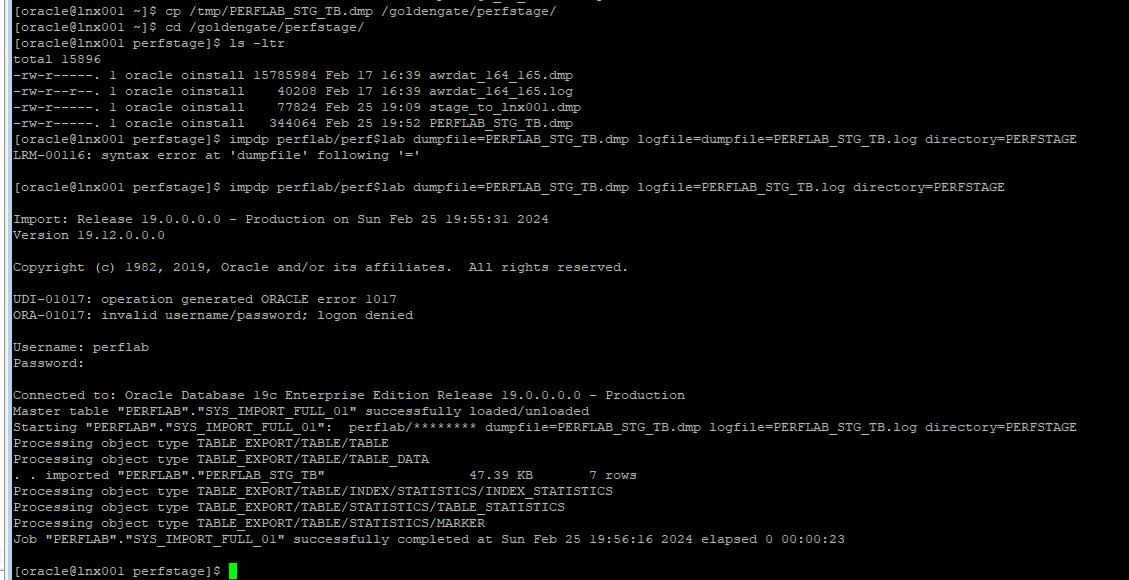
Processing object type TABLE\_EXPORT/TABLE/INDEX/STATISTICS/INDEX\_STATISTICS

Processing object type TABLE\_EXPORT/TABLE/STATISTICS/TABLE\_STATISTICS

Processing object type TABLE\_EXPORT/TABLE/STATISTICS/MARKER

Job "PERFLAB"."SYS\_IMPORT\_FULL\_01" successfully completed at Sun Feb 25 19:56:16 2024 elapsed 0 00:00:23

[oracle@lnx001 perfstage]$



SQL> connect perflab/perf$lab

Connected.

SQL> @list.sql

SQL>

SQL> SELECT sql\_handle, plan\_name, origin, enabled, accepted,

2 fixed, optimizer\_cost, executions, elapsed\_time,

3 cpu\_time, buffer\_gets, disk\_reads

4 FROM dba\_sql\_plan\_baselines;

no rows selected

SQL>

SQL> set echo off

SQL> SET SERVEROUTPUT ON

DECLARE

l\_plans\_unpacked PLS\_INTEGER;

BEGIN

l\_plans\_unpacked := DBMS\_SPM.unpack\_stgtab\_baseline(

table\_name => 'PERFLAB\_STG\_TB',

table\_owner => 'PERFLAB');

DBMS\_OUTPUT.put\_line('Plans Unpacked: ' || l\_plans\_unpacked);

END;

/SQL> 2 3 4 5 6 7 8 9 10

Plans Unpacked: 1

PL/SQL procedure successfully completed.

SQL> @list

SQL>

SQL> SELECT sql\_handle, plan\_name, origin, enabled, accepted,

2 fixed, optimizer\_cost, executions, elapsed\_time,

3 cpu\_time, buffer\_gets, disk\_reads

4 FROM dba\_sql\_plan\_baselines;

SQL\_HANDLE PLAN\_NAME ORIGIN ENA ACC FIX OPTIMIZER\_COST EXECUTIONS ELAPSED\_TIME CPU\_TIME BUFFER\_GETS DISK\_READS

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SQL\_37d2d1608ca0c6f5 SQL\_PLAN\_3gnqjc26a1jrpceb2ac1e AUTO-CAPTURE YES YES NO 553 0 0 0 0 0

SQL>

SQL> set echo off

SQL> select sys\_context('USERENV','SERVER\_HOST') from dual;

SYS\_CONTEXT('USERENV','SERVER\_HOST')

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

lnx001

SQL>

