1Z0-054^{Q&As}

Oracle Database 11g: Performance Tuning

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QUESTION 1

View the Exhibit and examine the content of the V$SGA_RESIZE_OPS view.

```
COMPONENT              OPER_TYPE  OPER_MODE  INITIAL_SIZE  TARGET_SIZE  FINAL_SIZE  STATUS
---------------------  ---------  ---------  ------------  -----------  ----------  --------
ASM Buffer Cache       STATIC                           0            0           0  COMPLETE
RECYCLE buffer cache   STATIC                           0            0           0  COMPLETE
KEEP buffer cache      STATIC                           0      8388608     8388608  COMPLETE
shared pool            STATIC                           0    146800640   146800640  COMPLETE
large pool             STATIC                           0      4194304     4194304  COMPLETE
java pool              STATIC                           0     12582912    12582912  COMPLETE
streams pool           STATIC                           0            0           0  COMPLETE
Shared IO Pool         STATIC                           0            0           0  COMPLETE
DEFAULT buffer cache   STATIC                           0      8388608     8388608  COMPLETE
DEFAULT 2K buffer cache  STATIC                         0            0           0  COMPLETE
DEFAULT 4K buffer cache  STATIC                         0            0           0  COMPLETE
DEFAULT 8K buffer cache  STATIC                         0            0           0  COMPLETE
DEFAULT 16K buffer cache STATIC                         0            0           0  COMPLETE
DEFAULT 32K buffer cache STATIC                         0            0           0  COMPLETE
shared pool            GROW       IMMEDIATE    146800640    150994944   150994944  PEN
DEFAULT buffer cache   GROW       DEFERRED       8388608     12582912    12582912  COM
shared pool            SHRINK     DEFERRED     150994944    146800640   146800640  COM
```

You executed the following command to increase the size of the Large Pool:

SQL> ALTER SYSTEM SET large_pool_size=8M;

System altered.

Which component would shrink to increase the size of the Large Pool?

A. the Java Pool

B. the Shared Pool

C. KEEP Buffer Cache

D. Default Buffer Cache

Correct Answer: D

QUESTION 2

You queried V$SYSTEM_EVENT in your online transaction processing (OLTP) environment to check the following wait events: Event Total Seconds Total Average Wait Name Waits Waiting Timeouts (in secs) ------------------------------ ------------ -------- ------------ --------- direct path read temp 18,274 11,312 16,282 .619 direct path write temp 3,251 416 25 .127

What do these wait events indicate?

A. The DBWn processes are not creating free buffers fast enough.

B. The buffer cache is too small and block replacement is excessive.

C. The aggressive checkpointing policy is causing too many writes to disk.

D. The work areas are too large to fit in memory and are, therefore, written to disk.

Correct Answer: D

QUESTION 3

The database application developers are planning to make some major schema changes such as creating new indexes and materialized views. They want to check the net impact of these changes on the workload performance. This activity has to be performed in the production database, so they want only the query part of the data manipulation language (DML) statements to be executed so that the side effects to the database or user data can be prevented. What should they use to achieve this?

A. Database Replay

B. SQL Tuning Advisor

C. SQL Access Advisor

D. SQL Performance Analyzer

Correct Answer: D

QUESTION 4

View the Exhibit and examine the partial output from the query on the v$file_histogram view: Which statement correctly interprets the output displayed in the Exhibit?

```
SQL> SELECT * FROM v$file_histogram;


    FILE# SINGLEBLKRDTIM_MILLI SINGLEBLKRDS
---------- -------------------- ------------
        1                    1           49
        1                    2           58
        1                    4          138
        1                    8          498
        1                   16         1353
        1                   32         1499
        1                   64         1734
        1                  128          576
        1                  256           56
        1                  512          5
```

A. The database waited 58 times in a time interval of two milliseconds for FILE# 1.

B. The database experienced 58 waits of two milliseconds duration each for FILE# 1.

C. The database performed 58 synchronous single block reads in a time interval of two milliseconds for FILE# 1.

D. The database experienced 58 waits of duration less than two milliseconds each that are not included in any smaller bucket.

Correct Answer: D

QUESTION 5

You used SQL Tuning Advisor for a long-running SQL statement that suggested a SQL profile which can be used by the query subsequently for a better execution plan. After implementing the profile, you altered the profile to include it in a

category as follows:

SQL> EXEC DBMS_SQLTUNE.ALTER_SQL_PROFILE (name=>

\\'SYS_SQLPROF_0146ced728214000, attribute_name => \\'CATEGORY\\', value => \\'DEV2\\'). But the performance has not improved for the user session. The profile is enabled and on investigating the query plan, you find that the query from

the user session does not use the SQL profile. View the Exhibit and examine the parameters for the user session. What could be the reason for this?

```
NAME                                TYPE        VALUE
----------------------------------  ----------  ----------------------
optimizer_capture_sql_plan_baselines boolean    FALSE
optimizer_use_sql_plan_baselines     boolean    TRUE
sql_trace                            boolean    FALSE
sql_version                          string      NATIVE
sqltune_category                     string      DEFAULT
optimizer_mode                       string      ALL_ROWS
control_management_pack_access       string      DIAGNOSTIC+TUNING
resource_manager_cpu_allocation      integer     2
resource_manager_plan                string      SCHEDULER[0x2C0F]:DEFAULT
```

A. The CONTROL_MANAGEMENT_PACK_ACCESS parameter is not set to DEV2.

B. The OPTIMIZER_MODE parameter is set to ALL_ROWS for the user session.

C. The SQLTUNE_CATEGORY parameter is set to DEFAULT for the user session.

D. The OPTIMIZER_USE_PLAN_BASELINES parameter is set to TRUE for the user session.

Correct Answer: C

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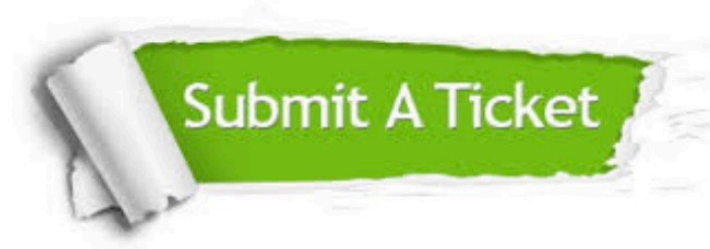Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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