1Z0-064 Q&As

Oracle Database 12c: Performance Management and Tuning

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QUESTION 1

As part of an application upgrade, new objects are being added to an application schema. You want to check the effect of the new schema objects on the performance of the SQL workload generated by the application.

How would you accomplish this?

A. Capture the workload in an STS and submit to SQL Access Advisor as an input to generate recommendations for indexes and materialized views.

B. Capture the workload, set the OPTIMIZER_USE_PENDING_STATISTICS to FALSE, and then replay the workload.

C. Capture the workload in an STS and submit to SQL Tuning Advisor as an input to generate recommendations for indexes and SQL profiles.

D. Set the PUBLISH statistic preference to FALSE, gather statistics, capture the workload in a SQL Tuning Set (STS), and submit the STS to SQL Tuning Advisor.

Correct Answer: A

QUESTION 2

In the CUSTOMERS table, the values in the CUST_STATE column are dependent on the values in the COUNTRY_ID column. You want to make the optimizer aware of this dependency when these columns are used together in WHERE clause predicates that contain equalities or in-lists.

Which two methods achieve this? (Choose two.)

A. gathering statistics on the CUSTOMERS table and its dependent objects, and then locking the statistics

B. using SQL plan directives to generate an optimal plan

C. setting the dynamic statistics level to 4 and setting the OPTIMIZER_USE_PENDING_STATISTICS initialization parameter to true

D. creating column group statistics, regathering statistics, and ensuring that histograms exist on both these columns

Correct Answer: AD

QUESTION 3

Which two actions can reduce library cache latch contention for an OLTP application that repeatedly executes queries containing a mix of literals and bind variables? (Choose two.)

A. setting the OPEN_CURSORS parameter to hold a sufficient number of concurrently open cursors

B. coding the application such that a frequently executed statement is parsed only once and executed repeatedly as required

C. setting the CURSOR_SHARING parameter to EXACT

D. avoiding the granting of privileges on objects associated with cursors during peak load

E. enabling Automatic Memory Management and allocating at least 50% of the available memory for SHARED_POOL_SIZE

F. configuring shared server connections

Correct Answer: CE

QUESTION 4

For your database some users complain about not being able to execute transactions. Upon investigation, you find that the problem is caused by some users performing long-running transactions that consume huge amounts of space in the UNDO tablespace.

You want to control the usage of the UNDO tablespace only for these user sessions.

How would you avoid the issue from repeating in future? (Choose the best answer.)

A. Create a profile for the users with the LOGICAL_READS_PER_SESSION and LOGICAL_READS_PER_CALL limits defined.

B. Create external roles to restrict the usage of the UNDO tablespace and assign them to the users.

C. Set the threshold for UNDO tablespace usage for the users.

D. Implement a Database Resource Manager plan by mapping the users to a resource consumer group with limits defined for UNDO tablespace usage.

Correct Answer: D

QUESTION 5

Examine the partial TOP 10 Foreground Events by Total Wait Time section of an AWR report:

Top 10 Foreground Events by Total Wait Time

Event	Waits	Time (s)	Avg wait (ms)	%Total Call Time	Wait Class
enq: TX - allocate ITL entry	9,799	28,698	2929	32.9	Configurat
db file sequential read	4,827,509	25,964	5	29.7	User I/O
read by other session	2,998,307	18,118	6	20.7	User I/O
CPU time		6,872		7.9	
direct path read	222,425	4,782	21	5.5	User I/O

What should you examine to diagnose the cause of the top three wait events? (Choose the best answer.)

A. the V$ACTIVE_SESSION_HISTORY view

B. the Time Model Statistics section of the AWR report

C. the SQL statements based on elapsed time from the AWR report

D. the Latch Activity section

E. the Segment Statistics section of the AWR report

Correct Answer: B