1Z0-064^{Q&As}

Oracle Database 12c: Performance Management and Tuning

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QUESTION 1

You are administering a database that supports an OLTP workload. An application regularly creates global temporary tables and a large number of transactions are performed on them. You notice that performance is degraded because of excessive generation of undo due to a large number of transactions on the global temporary tables.

What is the recommended action to improve performance? (Choose the best answer.)

A. Increase the size of the undo tablespace and enable undo retention guarantee.

B. Increase the size of the database buffer cache.

C. Enable temporary undo.

D. Increase the size of the temporary tablespace or make it autoextensible.

E. Enable Automatic Segment Space Management (ASSM) for the undo tablespace.

Correct Answer: A

QUESTION 2

Which two statements are true about Compare Period ADDM? (Choose two.)

A. It is automatically invoked whenever the AWR Compare Period report is invoked.

B. It is automatically invoked whenever ADDM is run by default.

C. It verifies if there is any change in the workload or average resource consumption by the SQL executed during the two specified time periods, to ensure 100% accuracy.

D. It can be used to create a comparison report between the Database Replay workload capture report and the replay report.

Correct Answer: BD

QUESTION 3

Examine the parameters set for your database instance: You are administering a database that supports an OLTP workload. Users complain about the degraded performance of some queries. While diagnosing, you notice a large number of hard parses occurring for several syntactically almost identical SQL statements that differ only in literal values in the WHERE clause.

```
NAME                                     TYPE          VALUE
-------------------------------------    ------------  -----------
optimizer_capture_sql_plan_baselines     boolean       FALSE
optimizer_use_sql_plan_baselines         boolean       TRUE
optimizer_index_cost_adj                 integer       100
optimizer_mode                           string        ALL_ROWS
cursor_sharing                           string        EXACT
```

Which two actions would you recommend to improve performance? (Choose two.)

A. Create the KEEP cache and cache the tables used in the queries.

B. Set the CURSOR_SHARING parameter to FORCE.

C. Use bind variables instead of literals.

D. Create SQL plan baselines for the almost identical SQL statements and load them into the cursor cache.

E. Set the OPTIMIZER_CAPTURE_SQL_PLAN_BASELINES parameter to TRUE.

Correct Answer: BE

QUESTION 4

Examine the partial Activity Over Time section of an Active Session History (ASH) report:

Slot Time (Duration)	Slot Count	Event	Event Count	% Event
14:10:50 (1.2 min)	5	control file sequential read	4	0.11
		CPU + Wait for CPU	1	0.03
14:12:00 (3.0 min)	9	CPU + Wait for CPU	5	0.14
		control file parallel write	2	0.05
		null event	1	0.03

Which two inferences are correct? (Choose two.)

A. In the first time slot, five different sampled sessions were connected to the database instance.

B. In the second time slot, out of the nine sampled sessions connected to the database instance, only one sampled session was idle at the time of report generation.

C. In the first time slot, only one sampled session was using the CPU.

D. In the second time slot, five different sampled sessions were using the CPU.

E. In the second time slot, 0.14% of the time was spent on the CPU.

Correct Answer: AE

QUESTION 5

You plan to upgrade your production database from Oracle Database 11g to 12c. As part of the upgrade, you want to introduce new indexes and materialized views. You have already created a test system with Oracle Database 12c, having the same structure and data as the production database, along with new schema objects to be added to the production database.

You want to identify regressed SQL statements, if any, which may have been caused by schema changes and the change in the optimizer version.

Which two methods would you use to achieve this? (Choose two.)

A. Create an SQL Tuning Set (STS) for the SQL statements on the production database and submit as input to the SQL Tuning Advisor on the test database.

B. Create an STS for the SQL statements on the production database and submit as input to the SQL Performance Analyzer with the OPTIMIZER_FEATURES_ENABLE parameter first set to 11.2.0.1, and then to 12.1.0.1on the test database.

C. Generate an Automatic Workload Repository (AWR) compare periods report with snapshots taken before and after schema changes on the test database.

D. Capture the production database workload, replay it on the test system by using Database Replay, and analyze by using the workload replay compare period report.

E. Create an STS for the SQL statements on the production database and submit as input to the SQL Access Advisor on the test database.

F. Create an STS for the SQL statements on the production database before and after changes and submit as input to the SQL Performance Analyzer on the test database.

Correct Answer: AD

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