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1Z0-417

Oracle Database Performance and Tuning
Essentials 2015

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QUESTION 1

DBAs use scripts and a third-party tool that access Automatic Workload Repository (AWR) snapshot reports, but don't use Oracle Enterprise Manager. The IT Manager seeks to confirm what the DBAs told him – Its OK since they licensed Oracle Database Enterprise Edition and not the Standard Edition. Which is the correct response for this scenario?

- A. With an Oracle Enterprise Edition Database license, a customer can use any Oracle option they want, at any of their worldwide locations, without additional licensing.
- B. No matter how AWR snapshot reports are accessed, Oracle Enterprise Edition Database customers need to be licensed for the Oracle Diagnostic Pack for Oracle Databases.
- C. With an Oracle Database Enterprise Edition license, an Oracle customer can use any Oracle option they want, at that location, without additional licensing.
- D. No matter how AWR snapshot reports are accessed, Oracle Enterprise Edition Database customers need to be licensed for the Advanced Analytic Pack for Oracle Databases.
- E. With an Oracle Database Enterprise Edition license, an Oracle customer can access AWR snapshots by using SQL. If you use anything else, then you need an additional license.

Answer: C

QUESTION 2

At the IT Manager request, you are reviewing the databases that the DBA has implemented. You find STATISTICS_LEVEL configured as BASIC. What finding do you report back to the IT Manager?

- A. The configuration of their databases is set up to also provide timed Operating System statistics and plan execution statistics.
- B. The configuration of their databases is incorrect and should be set to NOT_TYPICAL.
- C. The configuration of their databases has disabled collection of important statistics required for Oracle Database functionality.
- D. The configuration of their databases needs to be set to ALL to enable collection of Operating System, Middleware, and storage statistics.

Answer: C

QUESTION 3

Which background process performs Automatic Workload Repository (AWR) tasks such as writing when a metric violates its threshold value, taking snapshots, and capturing statistics for recently modified SQL objects?

- A. LGWR
- B. DBWR
- C. CKPT
- D. MMON
- E. MMNL

Answer: D

Explanation/Reference:

Explanation: The manageability monitor process (MMON) performs many tasks related to the Automatic Workload Repository (AWR). For example, MMON writes when a metric violates its threshold value, taking snapshots, and capturing statistics value for recently modified SQL objects.

Reference: https://docs.oracle.com/cd/E11882_01/server.112/e40540/process.htm#CNCPT008

QUESTION 4

When preparing a new database installation, you want to ensure automatic collection of timed statistics. Which three configuration parameters are applicable?

- A. STATISTICS_LEVEL parameter set to TYPICAL
- B. STATISTICS_LEVEL parameter set to All
- C. TIMED_STATISTICS parameter set to true
- D. ALL_TIMED_STATISTICS parameter set to TRUE
- E. AUTO_STATS parameter set to TRUE

F. STATISTICS_LEVEL parameter set to BASIC.

Answer: ABC

QUESTION 5

Which is a capability that Active Session History (ASH) reports enable you to perform?

- A. Compare database performance between two periods of time, and resolve performance degradation that may happen from one time period to another.
- B. Analyze transient performance problems with the database that are short-lived and do not appear in the ADDM analysis.
- C. Optimize the performance of data access paths by creating the proper set of materialized views, materialized view logs, and indexes for a given workload.
- D. Analyze transient performance problems that have happened in the database since it has been started.

Answer: B

Explanation: The Active Session History (ASH) reports enable you to analyze transient performance problems with the database that are short-lived and do not appear in the ADDM analysis. Reference: http://docs.oracle.com/cd/B19306_01/server.102/b28051/tdpnt_method.htm#TDPPT017

QUESTION 6

Which three are controllable by a resource plan, when you are using the Oracle Database 12c Multitenant option?

- A. CPU
- B. concurrent sessions
- C. SGA
- D. network I/O
- E. ability to use parallel server processes
- F. use of SGA memory and ability to allocate PGA