1Z0-070^{Q&As}

Oracle Exadata X5 Administration

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QUESTION 1

You plan to migrate an existing production database supporting online transaction processing (OLTP) workloads to an X6 Exadata Database Machine.

The database currently supports an application requiring fast response times to satisfy stringent business requirements, and most of the application queries use indexed access to tables.

For which two cases would you consider dropping indexes that are not used for constraints after the migration to assure that Smart Scans occur?

A. if Smart Scan performs better that any type of index scan on the corresponding table.

B. if Smart only occur instead of index skip scans on the corresponding table.

C. if Smart only occur instead of index range scans on the corresponding table.

D. if Smart Scans performs equally well to any type of index scan on the corresponding table.

Correct Answer: AC

QUESTION 2

Which two Exadata X5 security features would you configure to control which databases can access which griddisks, when multiple databases share space on your storage servers in an unpartitioned storage grid?

A. Using EXADCLI instead of CELLCLI to create the griddisks

B. Exadata storage realms using database-scoped security mode

C. file permissions on the griddisks in each storage server

D. file permissions on the griddisks in each database server

E. Exadata storage realms using ASM-scoped security mode

Correct Answer: BE

Reference:

https://docs.oracle.com/en/engineered-systems/exadata-database-machine/dbmsq/exadata-security-features.html#GUID-F53D9493-5927-4106-8D86-65D759419E46

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QUESTION 3

Which two must be true for a Smart Scan to occur on a table?

A. Sessions querying the table must set cell_offload_processing = true.

B. It must be stored in an ASM diskgroup with a 4 MByte AU size.

C. It must be heap organized.

D. It must be accessed using direct path reads.

E. The table must not be compressed.

Correct Answer: AD

QUESTION 4

Examine this list of software components:

1.

Oracle Virtual Machine (OVM)

2.

Oracle Enterprise Manager Agent (OMA)

3.

ASM instance

4.

RDBMS instance

5.

Automatic Diagnostic Repository Command Interpreter (ADRCI)

6.

CELLCLI

7.

Cell Server (CELLSRV)

8.

diskmon

Identify the location where these software components can run in the standard Exadata Database Machine deployment.

A. 1, 2, 3 and 4 run on the database servers; 5, 6, 7, and 8 run on the Exadata storage servers.

B. 1, 2, 3, 4, 5, and 8 run on the database servers; 5, 6, and 7 run on the Exadata storage servers.

C. 1, 2, 3, 4 and 8 run on the database servers; 5, 6, and 7 run on the Exadata storage servers.

D. 3, 4 and 8 run on the database servers; 1, 2, 5, 6 and 7 run on the Exadata storage servers.

E. 2, 3, 4 and 8 run on the database servers; 1, 5, 6 and 7 run on the Exadata storage servers.

Correct Answer: B

Explanation:

Automatic Diagnostic Repository Command Interpreter (ADRCI) can be used on an Exadata storage

server.

Incorrect Answers:

A: The diskmon process is a fundamental component of Oracle Exadata Storage Server Software, and is responsible for implementing I/O fencing. The process is located on the database server host computer, and is part of Oracle Clusterware Cluster Ready Services (Oracle Clusterware CRS).

D, E: Oracle Virtual Machine (OVM) runs on the database servers.

QUESTION 5

Which three must be true for a Smart Scan to occur for a table?

A. cell_offload_processing must be true in sessions issuing SQL statements that access the table.

B. The query must be executed serially.

C. The query must be executed in parallel.

D. Direct path reads must be used at run time.

E. The ASM diskgroup containing the table\\'s tablespace must have a 4 Mbyte AU size.

F. The ASM diskgroup containing the table\\'s tablespace must have cell.smart_scan_capable set to true.

Correct Answer: ADF

Explanation:

A: pt_param('cell_offload_processing' 'TRUE') hint is used to enable the exadata smart scan feature in sql execution process.

D: Direct reads bypass the buffer cache and go directly into the process PGA. Cell offload operations occur for direct reads only.

F: The cell.smart_scan_capable attribute must be set to TRUE.

Incorrect Answers:

B, C: The query can run either serially or in parallel.

References: http://blog.tanelpoder.com/2013/05/29/forcing-smart-scans-on-exadata-is-_serial_direct_read-parameter-safe-to-use-in-production/

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