

P2090-054^{Q&As}

IBM Information Management DB2 10.5 pureScale Technical Mastery
Test v3

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QUESTION 1

What is a table space in DB2?

- A. A table space is an area of main memory that has been allocated by the database manager for the purpose of caching table and index data as it is read from the physical media.
- B. A table space is a DB2 component that manages access to databases.
- C. A table space is a space reserved for catalog tables and base table data.
- D. A table space is a logical storage grouping that can be composed of one or more containers.

Correct Answer: D

QUESTION 2

Consider the scenario where a database administrator (DBA) would like to apply operating system updates on the host machine that contains one of the DB2 pureScale members. The primary cluster caching facility and other members are located on different physical machines. Which of the following tasks should be performed by the DBA on the host machine before applying the operating system updates, so that the member will not be restarted?

- A. Place the member into maintenance mode.
- B. Place the host machine into maintenance mode.
- C. Place the member into quiesce mode.
- D. Place the cluster caching facility in standby mode.

Correct Answer: B

QUESTION 3

What does the table partitioning feature in DB2 allow you to do?

- A. Table partitioning allows you to make smaller tables automatically from large tables, thereby increasing the performance of your DB2 database.
- B. Table partitioning allows you to create very large tables that are divided across multiple storage objects so that you can quickly attach and detach large quantities of data from the tables.
- C. Table partitioning allows you to create result set tables from a join query, which automatically splits the data into smaller chunks, thereby increasing the performance of your DB2 database.
- D. Table partitioning allows you to partition the table data based on the hash values of the primary key.

Correct Answer: B

QUESTION 4

How are client connections handled in a standard DB2 pureScale environment?

- A. Connections must be directed to the primary cluster caching facility in the system.
- B. Connections must be directed to the shared storage.
- C. Connections must be directed to all members in the system, so that all members stay in sync.
- D. Connections can be directed to any of the members in the system.

Correct Answer: D

QUESTION 5

Consider a scenario where your DB2 pureScale cluster caching facilities are in PEER state. What would be the state of the secondary cluster caching facility upon failure of the primary cluster caching facility and a successful takeover?

- A. ERROR
- B. PEER
- C. PRIMARY
- D. NEW_PRIMARY

Correct Answer: C

QUESTION 6

Which of the following options justifies why you should be actively monitoring buffer pool hit ratios on your DB2 pureScale environment?

- A. Attaining high local buffer pool (LBP) and global buffer pool (GBP) hit ratios are in general an indication of overall good performance as more pages are found in memory than having to fetch from I/O.
- B. Attaining low local buffer pool (LBP) and global buffer pool (GBP) hit ratios are in general an indication of overall good performance as more pages are found in memory than having to fetch from I/O.
- C. High local buffer pool (LBP) hit ratios are the only important metric that must be monitored since it indicates that there are a higher number of pages fetched from physical storage than from the local buffer pool.
- D. Low local buffer pool (LBP) hit ratios are the only important metric that must be monitored since it indicates that there are a higher number pages fetched directly from physical storage than from the local buffer pool.

Correct Answer: A

QUESTION 7

A DB2 pureScale environment has fourteen DB2 members and one cluster caching facility. Having each of the

members and cluster caching facility hosted on a separate physical machine, what is the recommended number of redundant cluster caching facilities necessary so that the DB2 pureScale environment could be available if the primary cluster caching facility fails?

- A. 0
- B. 1
- C. 2
- D. 3

Correct Answer: B

QUESTION 8

Which DB2 licensing type is based on the number of users allowed to access the data server?

- A. PVU (Processor Value Unit) licensing
- B. Sub-capacity licensing
- C. Authorized User (AU) licensing
- D. Per Server licensing

Correct Answer: C

QUESTION 9

Which one of the following options contains a benefit of the Java Generic Table Functions?

- A. Java Generic Table Functions allow you to specify the output of a table function when you create it, rather than when you reference it.
- B. Java Generic Table Functions allow you to specify the output of a table function when you reference it, rather than when you create it.
- C. Java Generic Table Functions must run on a separate server, thus they don't consume DB2 resources.
- D. Java Generic Table Functions can be implemented in any programming language.

Correct Answer: B

QUESTION 10

Which one of the following options is FALSE about DB2's Multi-Temperature Data Storage capability?

- A. You can use storage groups to implement multi-temperature data management in DB2.
- B. Multi-temperature data management reduces the total cost of ownership by allowing efficient deployment of storage

hardware with minimal administrative overhead.

C. Multi-temperature data management integrates with DB2's Workload Manager feature to let you prioritize your workloads based on the data being accessed.

D. Multi-temperature data management best practices recommend that cold data should be stored in faster devices in order to maximize overall system performance.

Correct Answer: D

QUESTION 11

Where is data stored in a typical DB2 pureScale environment?

A. All members hold a local data partition of the database.

B. Data is split among both, members and a shared storage.

C. In a shared storage accessible by all members.

D. Data is permanently stored in the cluster caching facility.

Correct Answer: C

QUESTION 12

Which of the following is NOT valid state for the Cluster Caching Facility?

A. ONLINE

B. PRIMARY

C. ERROR

D. PEER

Correct Answer: A

QUESTION 13

How does DB2 pureScale balance the workload among its members?

A. Workload balance must be handled by the application.

B. Workload balance is automatically performed by DB2 pureScale by rerouting the workload to members with lighter loads.

C. Workload balance is handled by the Self Tuning Memory Manager (STMM) feature.

D. Workload balance cannot be handled by DB2 pureScale. It must be handled by a third-party application.

Correct Answer: B

QUESTION 14

Which of the following statements is FALSE when monitoring the high usage of lock memory in a DB2 pureScale environment?

- A. Performance will not be affected due to high usage of Lock Memory.
- B. Data concurrency issues can arise due to a high number of lock escalations.
- C. Lock escalations can take place if there is insufficient memory.
- D. Request for locks might be denied.

Correct Answer: A

QUESTION 15

Which of the following statements is FALSE about DB2 pureScale?

- A. DB2 pureScale provides near-linear scalability.
- B. DB2 pureScale requires application changes to scale out.
- C. DB2 pureScale provides 24 X 7 availability and it can recover itself from a crash.
- D. DB2 pureScale is able to handle key capacity spikes with pay by the day pricing.

Correct Answer: B

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