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Dell EMC D-PDD-DY-23

Dell PowerProtect DD Deploy 2023

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Topic 1, Multiple Choice Questions

Question: 1

What is the maximum number of PowerProtect DD systems that can be used in a Smart Scale data center?

- A. 64
- B. 32
- C. 128
- D. 256

Answer: B

Explanation:

By enabling Smart Scale services from DDMC, the Smart Scale architecture pools together a set of DD series appliances into a group under the data center in which they are coordinated with each other for space balancing. Smart Scale supports up to 32 systems in a system pool and four system pools in a data center.

Question: 2

What needs to be configured when implementing LACP on a PowerProtect DD appliance to gain access to the underlying aggregated link connection?

- A. NIC Teams
- B. DD Boost Interface Groups
- C. Virtual network interface
- D. Physical network interface

Answer: C

Explanation:

When implementing Link Aggregation Control Protocol (LACP) on a PowerProtect DD appliance, a virtual network interface is created to aggregate the physical interfaces into a single logical link. This configuration is essential to enable LACP functionality, as it allows the system to balance network traffic effectively across multiple physical connections, enhancing redundancy and throughput. By aggregating these physical interfaces, the appliance can better handle high data volumes, providing stable and efficient access to the underlying network resources.

The virtual network interface manages the logical grouping, ensuring seamless failover and load

balancing between the physical links that comprise the aggregated connection.

Question: 3

What is the maximum number of snapshots per MTree that can be stored on a PowerProtect DD?

- A. 750
- B. 100
- C. 32
- D. 128

Answer: A

Explanation:

PowerProtect DD allows up to 750 snapshots per MTree, supporting efficient data protection and recovery with minimal impact on storage resources. This feature provides extensive backup versioning options for granular data recovery.

Question: 4

An administrator is migrating their old cloud tier-enabled Data Domain to a new PowerProtect DD appliance with cloud tier. During migration, the administrator recognizes that file system cleaning on the source system is not possible. What is the most likely cause of this behavior?

- A. Migration will restrict all activities on both systems
- B. Source system is running in restricted mode
- C. Filesystem is disabled on the source system
- D. Migration will restrict all activities on the source system

Answer: B

Explanation:

When a source system is in restricted mode, certain maintenance tasks, like file system cleaning, are unavailable. This restriction is typically applied during migrations to prevent data inconsistencies, ensuring a smooth transfer of data to the new system.

During the migration process from an older Data Domain system with cloud tier capabilities to a new PowerProtect DD appliance, the source system operates in a "restricted mode." This restricted mode limits specific functionalities, including file system cleaning. File system cleaning is a maintenance operation that reclaims storage by deduplication and cleaning up obsolete data. However, to prevent data inconsistency or interference during migration, this functionality is temporarily disabled on the source system, thus ensuring data integrity until the migration process is completed.

The restricted mode ensures that all critical operations remain stable and predictable on the source system, which is essential for a smooth migration to the new environment.

Question: 5

What is the maximum backup speed of PowerProtect DD Virtual Edition using DD Boost?

- A. 4.2TB/h
- B. 7.0TB/h
- C. 9.0TB/h
- D. 2.5TB/h

Answer: A

Explanation:

The maximum backup speed of the PowerProtect DD Virtual Edition (DDVE) when utilizing DD Boost is 4.2TB per hour. DD Boost is a feature that enhances the speed and efficiency of data transfers between the backup application and the Data Domain appliance by performing deduplication operations closer to the source, thus reducing network traffic and improving throughput. DDVE's performance capabilities are optimized for virtualized environments, and the 4.2TB/h rate represents the upper limit under ideal conditions, maximizing data protection performance in virtual setups.



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