

# E20-329<sup>Q&As</sup>

Technology Architect Backup and Recovery Solutions Design Exam

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### QUESTION 1

In a customer's backup environment, EMC Avamar is integrated as a deduplication node with NetWorker. The customer wants to run multiple simultaneous backups from the same client.

What is the recommended maximum number of simultaneous streams?

- A. 1
- B. 2
- C. 4
- D. 6

Correct Answer: C

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### QUESTION 2

An existing EMC NetWorker customer is planning to integrate EMC Data Domain systems into their backup infrastructure. They would like to:

Backup their Microsoft Windows client data using CIFS to a Data Domain system  
Take weekly Data Domain system snapshots of Windows client backup data  
Backup their Linux client data using NFS to a Data Domain system  
Take daily Data Domain system snapshots of Linux client backup data  
Based on EMC best practice, what should be considered when designing the Data Domain file system layout?

- A. Create a separate MTree for CIFS and NFS client data
- B. Create an MTree named "data" and create separate sub-directories for CIFS and NFS client data
- C. Under /backup MTree, create separate sub-directories for CIFS and NFS client data
- D. Create separate storage units for CIFS and NFS client data

Correct Answer: A

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### QUESTION 3

Scenario

A customer with a fully virtualized environment has four ESX 4.1 servers in a cluster with a SAN solution for storage. Each ESX server is hosting 40 virtual machines and all virtual machines have the same local disk configurations:

Disk1 = 50 GB  
Disk2 = 100 GB  
Disk3 = 256 GB  
In addition, the environment includes a NAS filer. The average time to fully backup all virtual machines on one ESX server using EMC DD Boost is three hours.

The customer is interested in implementing an EMC NetWorker solution with Data Domain as a backup device. The backup server, storage nodes, and proxies are SAN-attached.

Refer to Scenario .

Using a VADP proxy, EMC NetWorker is backing up 12 virtual machines concurrently in SAN transport mode. What is the total recommended RAM needed on the proxy?

- A. 6 GB
- B. 8 GB
- C. 10 GB
- D. 12 GB

Correct Answer: A

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#### QUESTION 4

An EMC Data Domain customer wants to use the Extended Retention software option with their new Data Domain system.

When sizing for the archive tier, what is the maximum number of future years that should be considered?

- A. 1
- B. 3
- C. 5
- D. 7

Correct Answer: B

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#### QUESTION 5

A customer's environment consists of the following:

1.

Linux servers with an Oracle database

2.

Microsoft Windows with SQL

3.

Full weekly backups for Oracle with a one-month retention period Daily incremental with a two-week retention

4.

Full weekly backups for SQL with two retention periods

You collect the information in order to determine the capacity needed for an EMC Data Domain solution. Which calculation will show the best trade-off between retention and compression?

- A. Calculations with the compression rate for the database
- B. Calculations with longer retention times
- C. Calculations across a range of retention times
- D. Calculations with minimal compression rates

Correct Answer: A

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#### QUESTION 6

Refer to Scenario

When using EMC NetWorker and DD Boost, what are the recommended maximum concurrent backups for the VADP proxy server?

- B. 50
- C. 100
- D. 160

Correct Answer: C

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#### QUESTION 7

While designing an EMC Data Domain solution for a customer, you want to determine the amount of storage capacity needed. You have discovered the following information:

2 TB full backup @ 5x compression 10% daily data change rate 4 incremental/week @ 10x compression 1x full per week @ 25x compression Retention period = 4 weeks with no data growth

What is the burn rate (in GB)?

- A. 150
- B. 160
- C. 175
- D. 200

Correct Answer: B

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#### QUESTION 8

A customer's Data Domain DD2500 system has 32 active MTrees. They notice performance issues when using the configuration.

What is the minimum number of MTrees that should be removed from active use to improve performance?

A. 14

B. 16

C. 18

D. 20

Correct Answer: C

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#### QUESTION 9

A potential customer is looking for a backup solution that meets the following requirements:

Backup their NAS data using a backup server directly to tape Backup their Oracle database using RMAN to a deduplication system Backup data on disk should be protected from accidental deletes or overwrite Centralized monitoring tool for management and reporting

Which EMC products should be recommended to meet these requirements?

A. NetWorker for backing up NAS data to physical tapes. Data Domain to backup Oracle RMAN and prevention from accidental deletes. Data Protection Advisor for centralized monitoring.

B. Avamar to backup Oracle RMAN and prevention from accidental deletes. Networker for backing up NAS data to physical tapes. DPA for centralized monitoring.

C. Avamar to backup Oracle RMAN and prevention from accidental deletes. Data Domain for backing up NAS data to physical tapes. Data Domain Management Center for centralized monitoring.

D. NetWorker for backing up NAS data to physical tapes. Avamar to backup Oracle RMAN and prevention from accidental deletes. Data Domain Management Center for centralized monitoring.

Correct Answer: A

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#### QUESTION 10

An EMC NetWorker customer is experiencing poor backup performance, Your analysis determines that significant host resources are used to manage low-level network handshaking operations during backup. Based on EMC recommendations, what can you do to alleviate the handshake issue?

A. Upgrade the network driver

B. Upgrade the LAN

C. Install a TCP offload engine card

D. Install a second network interface card

Correct Answer: C

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#### QUESTION 11

A customer is considering an EMC Avamar backup solution. They want to know whether Avamar can provide the security benefit of data encryption between the clients and the Avamar server.

What are the in-flight encryption considerations?

- A. Encryption strength can be specified when configuring a backup group
- B. An encryption option must be selected at installation time and impacts server resources
- C. Some type of encryption, either medium or high, must be specified for each backup
- D. Encryption must be selected at installation time and is the same for all clients

Correct Answer: A

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#### QUESTION 12

A customer wants to back up VMware using Avamar to leverage deduplication. They have been and want to continue performing VCB backups.

Where will the Avamar client and the Avamar VCB Interoperability Module be installed?

- A. Backup proxy server
- B. ESX server and backup proxy server
- C. Virtual machines guest operating system
- D. Virtual machines and backup proxy server

Correct Answer: A

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#### QUESTION 13

You are reviewing potential backup opportunities in a customer environment that is currently using Backup Exec.

Which assessment tool will help to provide information about their current backup and restore success rates?

- A. Quick Scripts
- B. GAP Analysis
- C. FSA
- D. EBSS

Correct Answer: A

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#### QUESTION 14

You are designing an EMC Data Protection Advisor (DPA) solution for a large NetWorker customer using both DPA

clustering and replication.

What is a consideration when determining the server layout for application and datastore servers?

- A. Implement DPA clustering in a virtualized environment
- B. Use clusters containing both application and datastore servers
- C. Connect a DPA datastore to each cluster VLAN in the solution
- D. Configure DPA replication between master and secondary application servers

Correct Answer: A

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#### QUESTION 15

You have been asked to perform an assessment of a customer's environment. The customer has given you complete access to their IT staff and environment.

Which stage of the assessment are tools deployed to capture information about their systems?

- A. Environmental Analysis
- B. Interview Phase
- C. Cross Check Phase
- D. Solution Design

Correct Answer: A

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