



# E20-591<sup>Q&As</sup>

Backup and Recovery Solutions Exam for Technology Architects

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**QUESTION 1**

You are asked to propose a backup solution for an environment with Microsoft Exchange Server 2007 installed on a Microsoft Hyper-V Child Partition. A Microsoft Volume Shadow Copy Service hardware provider is used to create point-in-time copies of production data. Which EMC product would you recommend to support this environment?

- A. NetWorker
- B. Avamar
- C. Data Domain
- D. SnapImage

Correct Answer: A

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**QUESTION 2**

A customer requires a backup solution that provides a monthly backup to tape for long-term retention and daily backups to disk. They also want to minimize their backup storage requirements and the amount of daily backup traffic that travels over the network. Which EMC backup solution would you recommend?

- A. NetWorker with Avamar
- B. NetWorker alone
- C. Avamar alone D. Avamar with Data Domain

Correct Answer: A

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**QUESTION 3**

Which EMC NetWorker feature is used to perform a backup based on an event?

- A. Application modules
- B. Directives
- C. Scheduled backups
- D. Probe-based backups

Correct Answer: D



# Probe-based Group Backups

- Event-driven backups
- Backup of the group is performed based on the result of executing user-created client *probes*
- A *probe* is a user-created program/script configured to run on clients in a probe-enabled group
  - The success (exit 0) of the probe triggers the backup
  - **Probe Interval** determines how often probing occurs (minutes)
  - **Probe Start** and **End** times define the probing window when client probing occurs



**Properties** **Group Resource**

Setup Advanced Status

**Client Overrides**

Schedule: [Dropdown]  
Level: [Dropdown]  
Interval: 24:00  
Force incremental: ☒  
Schedule time: [Text]  
Expiration time: [Text]  
File inactivity threshold: 30  
File inactivity alert threshold: 30

**Probe**

Probe based group: ☒  
Probe interval: 60  
Probe start time: 0:00

Select to enable probing

#### QUESTION 4

An Avamar customer has just deployed a VMware environment. The customer wants to ensure they receive the highest level of deduplication within the environment. Which type of backup should be performed?

- A. Guest
- B. VCB proxy host
- C. VADP
- D. ESX console

Correct Answer: B

#### QUESTION 5

What is the key benefit to implementing Symantec's NetBackup OST with Data Domain systems?



- A. Replication of data segments are inline
- B. Media server is aware of all Data Domain systems
- C. Data is ingested and replicated simultaneously
- D. Data Domain system initiates and controls replication

Correct Answer: B

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#### QUESTION 6

In an EMC Data Domain Archiver system, what is a characteristic of a sealed archive unit?

- A. Files can be deleted but no new data can be written to the sealed unit
- B. A sealed archive unit is marked as read-only; writes and file deletions are not permitted
- C. Unit needs to be manually put into an online mode if recovery of data is necessary
- D. Data in the sealed unit is not replicated for security reasons

Correct Answer: A

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#### QUESTION 7

A customer currently uses two different backup applications in their backup environment. They are looking for a new backup target device to replace their aging physical tape infrastructure without replacing the current backup applications. Which EMC product best fits these requirements with the least amount of configuration change?

- A. Data Domain
- B. Avamar
- C. NetWorker
- D. HomeBase

Correct Answer: A

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#### QUESTION 8

In an EMC NetWorker environment using a Data Domain system as a target device, which device type allows NetWorker to be aware of deduplication?

- A. Data Domain
- B. AFTD
- C. VTL



D. File

Correct Answer: A

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#### QUESTION 9

Using the EMC Avamar sizing tool, you have determined that a customer requires four 2 TB data nodes. Since the customer is protecting only 5 TB of data, how is the additional storage used?

- A. Backup catalog and file indices
- B. Backup schedules and client configuration
- C. RAID, RAIN, and checkpoints
- D. Replication configuration information

Correct Answer: A

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#### QUESTION 10

In an EMC NetWorker environment, where is information about backup data such as owner, size, permissions, and access time stored?

- A. Client File Index
- B. GST Database
- C. Resource Database
- D. Media Database

Correct Answer: A

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#### QUESTION 11

In an EMC Avamar system, which operation is allowed with standard replication?

- A. Validation of backups to clients within the REPLICATE domain
- B. Restores to clients within the REPLICATE domain
- C. Deletion of client backups within the REPLICATE domain
- D. Redirected restores to clients within the REPLICATE domain

Correct Answer: C

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#### QUESTION 12



A customer, using Avamar version 4, wants to use VMware Consolidated Backup (VCB) to back up their version 3.x ESX servers. Which operating system(s) can they run on their proxy server?

- A. Microsoft Windows 2003 and Red Hat Enterprise Linux 4
- B. Microsoft Windows 2003
- C. Microsoft Windows 2003 and Windows 2008
- D. Red Hat Enterprise Linux 4

Correct Answer: B

Avamar VCB Interoperability Module. The Avamar agent and the interoperability module run on the Consolidated Backup proxy server to provide the backup services. One backup server can provide backup services to many ESX server hosts, as long as all machines share the same SAN (storage area network). With this approach, users have several advantages. By consolidating backups onto fewer proxy servers, backup can be simplified and backup licensing costs for VMware environments can be reduced. VCB reduces the load on the ESX Server during backups, eliminating the need to manage backup agents in each virtual machine. And, because of its method of transferring data using the SAN, LAN traffic associated with backup is reduced. With this approach, there is no direct application integration as is possible with guest backups using Avamar database plug-ins.

Note: Backup proxy server supported on Windows 2003 server only.

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### QUESTION 13

An EMC NetWorker customer is implementing an EMC Disk Library with the Embedded Storage Node feature on both engines. Active Engine Failover is also configured. In case of a failover, which component from the failed engine will be missing on the surviving engine?

- A. Remote Copy Policy configuration
- B. Fibre Channel WWNs
- C. Embedded Storage Node
- D. SAN client configuration

Correct Answer: B

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### QUESTION 14

A customer is using NetWorker with a tape library to perform full backups at the end of the month and daily incrementals. The restore process takes a long time as tapes must unload and reload. The customer needs to achieve a faster recovery. What will help achieve the right RTO?

- A. Dedicated backup LAN
- B. Virtual tape library
- C. Faster tape drive
- D. Faster backup server hardware



Correct Answer: B

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#### QUESTION 15

HFS check has started on a customer's EMC Avamar grid. Which process must wait until the HFS check is complete?

- A. Garbage collection
- B. Checkpoint
- C. Replication
- D. Restore

Correct Answer: A

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