

E20-329^{Q&As}

Technology Architect Backup and Recovery Solutions Design Exam

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QUESTION 1

The EMC account team has been asked to design a NetWorker backup solution. The customer's environment consists of a Microsoft Exchange Server 2007 Cluster Continuous Replication (CCR) deployment on a CLARiiON disk array with EMC VSS Provider and an EMC Disk Library.

The customer wants to leverage the Microsoft VSS framework to back up their Exchange server from the Exchange Server 2007 CCR passive node. What needs to be considered when designing this backup solution?

- A. Backup from the Exchange Server 2007 CCR passive node will fail after Exchange Server 2007 CCR role change
- B. NetWorker Module for Exchange needs to be installed on both the Exchange Server 2007 CCR active node and passive node
- C. Exchange Server 2007 database and transaction logs must reside on the same volume
- D. Exchange Server 2007 system path and transaction logs must reside on separate directories

Correct Answer: A

QUESTION 2

A customer has recently purchased EMC Data Protection Advisor (DPA) for backups to monitor their NetWorker backup environment. They are currently monitoring the NetWorker servers and storage nodes.

What else can be monitored without the need for additional DPA licenses?

- A. Physical and virtual tape libraries
- B. VMware server status
- C. Replication technologies
- D. VMware configuration data

Correct Answer: A

QUESTION 3

A customer has had a failure of the primary deduplication node and needs EMC NetWorker to recover the data from the replication node.

What will enable recovery from the replication target node?

- A. Replication node is specified in the replication node field of the client resource
- B. NetWorker deduplication node is configured as a dedicated replication target
- C. Replication between deduplication nodes is controlled by the NetWorker server

D. Replication process and restore of replicated data require native Avamar for recovery

Correct Answer: A

QUESTION 4

The EMC account team has been asked to design a Network backup solution for a VMware ESX3.5 environment with the following requirements:

1.

Reduce workload on the ESX server during backups

2.

Eliminate backup traffic from the LAN by moving data directly from the SAN

3.

Support file-level backups for virtual machines running Microsoft Windows

What is a recommended backup solution?

A. VMware service console backup

B. VMware vStorage API backup

C. VMware Consolidated Backup

D. VMware guest backup

Correct Answer: C

QUESTION 5

An EMC NetWorker customer is using the NetWorker Workgroup Edition. They want to purchase an Autochanger license.

What is the maximum number of slots allowed with this edition?

B. 16

C. 32

D. 64

Correct Answer: C

QUESTION 6

An existing EMC NetWorker customer is evaluating options for upgrades within their backup solution. The customer is

interested in replacing their current tape- based infrastructure with a backup-to-disk product. The customer currently uses EMC VNX arrays for their SAN storage.

The solution needs the ability to retain certain backups for long periods of time due to compliance reasons as well as minimize the amount of power and rack space required. In addition, all backups must go offsite on a daily basis.

Finally, the customer wants the ability to use a new 10 GigE infrastructure they are planning to deploy within their data center. They want to minimize the amount of disruption to their current daily procedures in order to avoid re-training existing staff. Which storage solution can be integrated with NetWorker to satisfy these requirements?

- A. LUNs from the VNX
- B. DD Archiver appliance with VTL
- C. Avamar server
- D. DD Archiver appliance with DD Boost

Correct Answer: B

QUESTION 7

You are designing an Avamar and Data Domain integration.

What should the customer know about manually deleting backups from Avamar?

- A. Backup is automatically deleted from the Data Domain.
- B. Backup must be manually deleted from the Data Domain first.
- C. Backup remains on the Data Domain and must be manually deleted.
- D. Backup must be replicated before it can be deleted from the Data Domain.

Correct Answer: A

QUESTION 8

A customer wants to change their backup and recovery strategy for their VMware Windows environment. They do not need to use encryption for the backup of the virtual machines. The customer plans to implement Avamar full image backups. Over 80% of restore requests are for single files. As a result of the restore, which item is unavailable?

- A. ACL
- B. VMDK
- C. Proxy
- D. File

Correct Answer: A

QUESTION 9

Which technology is directly supported with Data Domain integration?

- A. VMware image backup
- B. BAAN
- C. PeopleSoft
- D. PostgreSQL database

Correct Answer: A

QUESTION 10

An EMC Avamar customer is running a backup that is being written to a Data Domain system. The Data Domain cleaning runs at 8 M. on Tuesday mornings. Avamar maintenance runs daily at 6 M. A backup has completed successfully; however, it is no longer needed. The customer manually deletes the backup on Wednesday afternoon.

When is the first opportunity for space to be reclaimed on the Data Domain system?

- A. At the next Data Domain file system cleaning
- B. Immediately on the Data Domain system
- C. At the next scheduled Avamar garbage collection
- D. When manually deleted from the Data Domain system

Correct Answer: A

QUESTION 11

A customer wants to back up 45,000 desktops/laptops across 38 remote sites worldwide. They want a solution using deduplication at the source client.

The customer currently has three large data centers that will be performing backups of 8500 servers per data center. Additionally, all backups must be replicated to a single disaster recovery (DR) site. Their current environment uses tape for backup. The Chief Information Officer (CIO) requires that the tape be used at the disaster recovery site so that they stay compliant with their 10 year regulations. The customer must also use encryption at rest.

Which solution meets these requirements?

- A. Avamar and AVE at the remote offices; Avamar Extended Retention at the DR site
- B. Data Domain, Replication Manager, and Avamar Extended Retention at the DR site
- C. NetWorker, Recovery Manager, AVE, and Avamar Extended Retention at the DR site
- D. AVE, SnapImage, Data Domain, and Networker at the DR site

Correct Answer: A

QUESTION 12

A customer wants to perform an EMC NetWorker Assessment on one data zone. What is required?

- A. Mitrend Quick Scripts
- B. Workbench Gap Analysis
- C. Workbench FSA Scan
- D. NetWorker Management Console

Correct Answer: A

QUESTION 13

You are designing a new backup solution for a customer where there are eight remote sites and one central site. At the present time, all sites have separate backup environments.

The customer wants all backups to be consolidated using one backup product. They require that all backups be replicated many-to-one back to the central site with minimal impact on the WAN. They also want their desktop/laptop clients to perform their own backups and restores. Monitoring of all sites is required using Data Protection Advisor.

Which EMC solution will meet the requirements?

- A. Avamar
- B. NetWorker
- C. Replication Manager
- D. Data Domain

Correct Answer: A

QUESTION 14

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

QUESTION 15

An existing EMC Avamar customer wants to start backing up their VMware environment. The customer requires the ability to perform file level restores of their Microsoft Windows clients and is concerned about any potential negative impact of backups on the ESX server. In addition, there is a short backup window so it is important that backups complete as fast as possible.

Which backup method will meet the customer's needs?

- A. VMware image backup with an Avamar agent on a proxy host
- B. VMware image backup with an Avamar agent on the ESX server
- C. VMware guest backup using an Avamar agent on each virtual machine
- D. VMware guest backup using an Avamar agent on the vCenter server

Correct Answer: A

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