

# **EMC**

## **Exam E20-329**

### **Technology Architect Backup and Recovery Solutions Design Exam**

**Verson: Demo**

**[ Total Questions: 10 ]**

**Topic break down**

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## Topic 1, Volume A

### Question No : 1 - (Topic 1)

A customer has been using Avamar to leverage deduplication for VMware. They have been performing guest-level backups and now want to perform vmdk backups for disaster recovery.

What is a requirement to perform VCB backups?

- A. Proxy host with Microsoft Windows 2003 SP1 or 64-bit Red Hat Linux
- B. Guests with VCB and Virtual Center server software installed
- C. ESX server with Fibre Channel SAN storage hosting VMFS or RDMS
- D. Guests with the Avamar client and the Avamar VCB Interoperability Module

**Answer: C**

### Question No : 2 - (Topic 1)

A customer has asked you to assess their current backup environment. The environment is currently using an offsite physical tape vaulting rotation for compliance purposes.

What is a key concern that you should discuss with the customer?

- A. Recovery data is at least one backup cycle behind the production site in the event of a disaster
- B. Media retention period consideration is three times the length of the RPO value
- C. Need for additional resources during the backup window for the production data
- D. Amount of tape media is consistently double the size of the actual production data

**Answer: A**

## Topic 2, Volume B

### Question No : 3 - (Topic 2)

The EMC account team has been asked to redesign an EMC NetWorker backup solution.

The existing backup environment consists of one NetWorker server and one storage node to back up approximately 80 clients. Over time, the amount of data increased, resulting in daily backups taking more than 24 hours to complete.

What should be recommended to improve the backup performance with minimal costs?

- A. Convert several of the large clients into dedicated storage nodes
- B. Add a NetWorker server and balance the clients across the two servers
- C. Assign different NetWorker schedule resources to the backups to start at different times during the day
- D. Configure the existing storage node as a dedicated storage node

**Answer: A**

**Question No : 4 - (Topic 2)**

A company purchased an EMC Avamar and Data Domain integrated solution six months ago. Their environment contains file system, Microsoft Exchange, and Microsoft SharePoint data. They are now ready to purchase a replication solution to support their disaster recovery strategy.

Which design supports their environment?

- A. Avamar primary server and Data Domain primary system replicating to a secondary Data Domain.
- B. Avamar primary server replicating internal data to the primary Data Domain system. Data Domain replicating to a secondary Data Domain.
- C. Avamar primary server replicating to an Avamar secondary server. Data Domain primary system replicating to a secondary Data Domain.
- D. Data Domain system replicating both Avamar and Data Domain to secondary systems.

**Answer: C**

**Question No : 5 - (Topic 2)**

A customer is piloting an EMC Data Domain system.

```
SSH Session# system show stats 2
10/29 12:34:26
INTERVAL: 2 secs
```

CPU busy	FS ops/s	FS proc	Net in	MB/s out	Disk read	KiB/s write	Disk busy	NVRAM KiB/s	Repl KB/s
10%	119	7%	17951	436	234	7532	2%	17816	0
9%	121	7%	17651	413	232	6543	1%	17455	0
10%	120	7%	17831	424	234	3405	2%	17663	0
8%	121	7%	18269	455	231	3345	3%	18111	0
9%	105	7%	17829	433	123	8345	5%	17654	0
10%	90	7%	17440	422	123	3453	2%	17322	0

Based on the Data Domain statistics shown in the exhibit, which type of data is being backed up?

- A. New data
- B. DD Boost backups
- C. Redundant data
- D. Replicated data

**Answer: A**

### Question No : 6 - (Topic 2)

An EMC NetWorker customer is considering backup options for their VMware environment. What is an advantage of using the VMware Console Backup option?

- A. File-level restore granularity
- B. No proxy server is required
- C. No load on the ESX server during backups
- D. Application backup data is crash-consistent

**Answer: B**

### Topic 3, Volume C

### Question No : 7 - (Topic 3)

An EMC Data Domain customer is evaluating new backup software and hardware for their

environment. Their current environment consists of a single data center along with several remote sites.

Their requirements are:

- ✍ Consolidate all backup hardware into their primary data center while still being able to perform remote backups.
- ✍ Continue to perform backups directly to tape for certain applications in order to send the tapes offsite for long-term retention.
- ✍ Keep their current Data Domain system as part of any new configuration.
- ✍ Optimize network performance without adding more hardware infrastructure.
- ✍ Manage the entire solution from a single unified interface.

Which solution addresses these requirements?

- A. NetWorker with Data Domain Boost only
- B. NetWorker with Data Domain Boost and storage nodes at the remote sites
- C. Avamar with an integrated Data Domain system
- D. NetWorker with Data Domain VTL and an integrated Avamar system

**Answer: A**

**Question No : 8 - (Topic 3)**

An existing EMC Data Domain customer currently has one Data Domain system at their headquarters (HQ) data center. They would like to mirror all data from the HQ Data Domain system to a Data Domain system at their disaster recovery site using collection replication.

When proposing a solution, what should the customer be told about collection replication?

- A. Username and passwords are replicated from the source system.
- B. Logs and messages are replicated from the source system.
- C. Performance statistics are replicated from the source system.
- D. Bi-directional collection replication can be set up between the two systems.

**Answer: A**

**Question No : 9 - (Topic 3)**

An EMC NetWorker customer is currently backing up data to four Advanced File Type

devices.

The customer wants to use an additional device for new streams once there are eight running on a single device. Backups should not queue if another device is unavailable.

Which parameter should be set?

- A. Target Sessions
- B. Client Parallelism
- C. Max Sessions
- D. Pool Parallelism

**Answer: A**

**Question No : 10 - (Topic 3)**

You are designing an EMC Data Domain solution and need to determine the required amount of storage capacity. The following information was gathered from the customer:

- ✍ 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 minimum amount of storage needed to support this solution?

- A. 850 GB
- B. 900 GB
- C. 1040 GB
- D. 1200 GB

**Answer: C**

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