



E20-329^{Q&As}

Technology Architect Backup and Recovery Solutions Design Exam

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QUESTION 1

Refer to Scenario .

A customer is looking to modernize their backup infrastructure. The current environment consists of a single centralized data center and several remote sites. The centralized data center hosts all core services and applications. The remote office primarily consists of sales personnel with 4000 use-North America, 500 in Europe, and 300 in Asia using file servers.

The current backup environment at the primary site uses CommVault backing up to a Fibre Channel tape library that contains four ITO-4 tape drives. Currently they are backing up a number of file servers as well as several databases that have average change rates of 7% daily Remote office backups are currently performed by having users copy files to regional file servers that are then backed up to tape.

In the past few months, the customer has experienced problems with getting backups to finish within their defined windows as well as issues with the tape library hardware. They now have concerns about gaps in their backup coverage as well as the reliability of the tape media. In addition, an internal audit shows a large amount of user-generated data is unprotected on remote user laptops.

The customer is looking for a common platform to standardize their backups. They want a solution which allows for a centralized infrastructure so -they do not need to rely on remote resources to address hardware and software issues. The other goal is to move away from tape to a more reliable disk-based solution.

The customer is evaluating EMC Avamar as a possible solution to backup their remote users. They are estimating that each machine will take approximately 10 minutes to backup. They would like all backups to complete in 8 hours.

What is the minimum number of storage nodes needed to support the necessary connections to complete the backups of the North American system in the defined window?

- A. 3
- B. 4
- C. 5
- D. 6

Correct Answer: B



QUESTION 2

A customer would like assistance with the design of an EMC Data Domain environment. Based on best practices, what should the customer know about Data Domain MTrees?

- A. Supports a maximum of 14 simultaneously active MTrees Pre-configured for NFS export /backup Supports compression
- B. Supports a maximum of 100 simultaneously active MTrees Pre-configured for NFS export /backup Implements data integrity
- C. Supports a maximum of 14 MTrees Pre-configured for CIFS export \backup Implements data integrity
- D. Supports a maximum of 100 MTrees Pre-configured for CIFS export \backup Supports compression

Correct Answer: A

QUESTION 3

A customer is piloting a 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 represented in the exhibit, which type of data is being backed up?

- A. Redundant data
- B. New data
- C. Encrypted data
- D. Block data

Correct Answer: B



QUESTION 4

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 .

When using VADP backups with EMC NetWorker, which transport mode is recommended for virtual machines with IDE virtual disks?

- A. NBD
- B. Hotadd
- C. SAN
- D. RDM

Correct Answer: A

QUESTION 5

Which features will have a negative impact on the performance of an EMC Data Domain system?

- A. Cleaning, gz Compression, 25 MTrees, and encryption
- B. Network collisions, replication, cleaning, and encryption
- C. Encryption, replication, cleaning, and Mtrees
- D. Global deduplication, replication, DD Boost, and 25 Mtrees

Correct Answer: A

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