



**Exam** : **EMC E20-500**

**Title** : EMC Storage and Information  
Infrastructure Exam

**Update** : Demo

1. A customer backs up their Windows servers to tape. They would like to complement these backups with disaster recovery protection in between backups. Current SLA requirements state that there can only be minutes of data loss as well as the ability to recover within minutes or hours.

Which solution fits this requirement?

- A. Avamar
- B. Replication Manager
- C. RepliStor
- D. SAN Copy

Answer: C

2. A customer has an existing production CX3-80 at their primary site and a CX3-20 at a remote site 2,000 km away. They have three dedicated DS3 and four T1 connections. They need to replicate their critical databases from the primary site to the remote site. The total size of the databases is over 5 TB. They are interested in a SAN-based method to move that much data. Their requirement is a RPO of seconds to minutes.

They are currently negotiating a new WAN contract and are looking to reduce WAN bandwidth requirements. Which EMC solution do you recommend?

- A. RecoverPoint CRR
- B. RecoverPoint/SE
- C. RepliStor
- D. SAN Copy

Answer: A

3 For a new customer, you are asked to help add disaster recovery for their CIFS environment. You have sold two Celerra gateway servers, and would like to be able to isolate and replicate CIFS environments between physical Data Movers for ease of Windows disaster recovery management.

What Celerra feature would simplify CIFS replication?

- A. CDMS
- B. NDMP
- C. SRDF/S
- D. VDMs

Answer: D

4 Your RecoverPoint presentation has interested your customer, but they do not want to manage host agents. They want a proof of concept before committing to a purchase. They currently have Cisco MDS 9506 v2 directors with a mixture of 12-port and 24-port blades in their Windows and Linux environment.

Which hardware do they need to perform the test?

- A. IP Services Blade
- B. PortChannel
- C. QoS Advanced Traffic Management
- D. Storage Services Module (SSM)

Answer: C

5 Your customer's primary data center is in Washington, D.C. The company has just acquired a company with data centers in Los Angeles and Chicago. Your customer wants to migrate all data from HDS arrays in Los Angeles and Chicago to the CLARiiON CX3 arrays in Washington, D.C. Which solution should you recommend for the migration?

- A. ARM
- B. RecoverPoint/SE
- C. Replication Manager
- D. SAN Copy

Answer: D

6 A customer mentions that they are concerned with managing the risk of comprising their highly sensitive information. You know that they already have a backup/recovery strategy in place. As per EMC security delivery strategies, what is the next security question to ask the customer?

- A. Do they have an audit trail in place?
- B. Does their backup/recovery strategy meet their SLAs?
- C. Have they implemented a network intrusion prevention system?
- D. How do they secure access to their information?

Answer: D

7 A customer does not want to capture all e-mail sent and received. The customer only wants to capture e-mail that is older than 30 days. Which method can be used to implement an automated EmailXtender solution that would meet the customer's requirements?

- A. Instruct users to create a folder in their mailbox called archive and have them move e-mail into the folder. Set up and run EmailXtract to capture e-mail in a user-created folder called Archive.
- B. Set up a filter to exclude e-mail that is less than 30 days old during the journaling capture process.
- C. Set up a User Directed Archive (UDA) folder that will allow users to save e-mail that is older than 30 days into the UDA folder.
- D. Set up and run an EmailXtract task that captures e-mail older than 30 days of the received date.

Answer: D

8 Click the Exhibit button.

A customer identified the need to add to their existing SAN and provides this diagram. What is the name of this technology?

- A. Edge-Core
- B. Full Mesh
- C. Partial Mesh
- D. Zoned Mesh

Answer: B

9 A customer is preparing to deploy iSCSI into their existing MDS 9509 FC SAN environment. They are very concerned about security between the hosts and storage within the iSCSI environment because it is on the IP network.

What MDS security feature will address the concern?

- A. CHAP
- B. Node ACL
- C. Port type security
- D. Switch ACL

Answer: A

10 Your customer has a pair of ED 10000M switches at their main data center. They want to purchase another pair of ED 10000M switches for a remote site as well as 10 GB/s line modules for all four switches. They want to extend their fabric to the remote site using 2 Gb FC links. What is the maximum distance for which the 2 Gb links can be used?

- A. 60 km
- B. 190 km
- C. 1,100 km
- D. 2,200 km

Answer: C

11 A financial management firm must comply with SEC-17a4 for U.S. operations. The company has several foreign subsidiaries that must also ensure that data is protected with enforced retention and shredding.

Which EMC Centera edition is appropriate for this customer?

- A. EMC Centera Basic
- B. EMC Centera Compliance Edition Plus
- C. EMC Centera Governance
- D. EMC Centera Governance or EMC Centera Compliance Edition Plus

Answer: B

12 A customer would like to assign storage to a Windows virtual machine. The guest OS requires that the volume is presented so that the underlying LUN details can be managed. Which VMware storage option would be required?

- A. MS iSCSI initiator
- B. NFS
- C. Raw Device Mapping
- D. VMFS

Answer: C

13 A customer is concerned about the risk associated with their NetWorker backup tapes being accessed by unauthorized individuals and sensitive data being stolen. They would like to solve this issue without replacing or adding hardware to the existing environment.

How should NetWorker encryption be implemented to mitigate this risk?

- A. On an appliance-based encryption device
- B. On the client with the encryption option
- C. On the server with the encryption option
- D. On the storage node with the encryption option

Answer: B

14 Your customer wants to implement a security scheme on the EMC Centera to prevent applications from being able to view its data. Which EMC Centera feature will meet this requirement?

- A. Access profiles
- B. Content Addressing
- C. EMC Centera Viewer
- D. Virtual pools

Answer: A

15 After an extended network outage, a large number of tracks are owed to the remote site in an SRDF/A configuration.

When the network becomes available again, what is the best practice to resume remote replication in SRDF/A mode?

- A. Install Replication Manager and create a job that will automate running SRDF/A
- B. Run SRDF Adaptive Copy Disk Mode until the tracks out of synch are small enough to start SRDF/A
- C. Run SRDF Adaptive Copy Write Pending Mode until the tracks out of synch are small enough to start SRDF/A
- D. Purchase additional disks and install them on the remote DMX and create BCVs to reduce owned tracks.

Answer: B

16 What types of nodes are used as the building blocks of an Avamar server?

- A. Admin and Agent nodes
- B. Admin and Storage nodes
- C. Agent and Storage nodes
- D. Utility and Storage nodes

Answer: D

17 A customer uses a NS42 Celerra to provide CIFS shares to business units to store their documents and spreadsheets. An Avamar solution is chosen for backup and recovery.

Which Avamar component supports this environment?

- A. Avamar File System
- B. Avamar NDMP Accelerator Node
- C. Avamar Storage Node
- D. Avamar Utility Node

Answer: B

18 You are proposing a NAS solution for your customer. The final solution includes:

- ?Celerra NS40 integrated
- ?Twenty six (26) 146 GB disk drives
- ?One Celerra Enterprise license
- ?One Celerra SnapSure license

?Two EMC CAVA licenses

Which hardware is the customer required to provide for the above licensed solution?

- A. A modem for Celerra dial-home
- B. A server for CLARAlert e-mail home
- C. An ESRS gateway for secure notifications
- D. Two servers for antivirus scanning

Answer: D

19 A customer has an environment which consists of multiple heterogeneous hosts and storage vendor equipment. The customer needs to consolidate and ease the management burden of storage downtime and I/O bottlenecks.

Which basic software can be incorporated to reduce and/or eliminate problems related to storage availability and performance?

- A. DM-MPIO
- B. DMP
- C. PowerPath
- D. PV Links

Answer: C

20 A customer has an MDS 9513 and wants to implement FC over IP for data replication.

What blade should they have?

- A. FCIP Blade
- B. IP Services Blade
- C. Multi-Purpose blade
- D. SSM Blade

Answer: B

21 How is the NetWorker cloning process best described?

- A. Making a copy of the backup save set or volume
- B. Moving a backup save set from one storage volume to another
- C. Moving a backup save set from one storage volume to another and then making a copy of the backup save set or volume
- D. Creating a clone LUN via array-based integration

Answer: A

22 Your customer has an outsourced data center. You learn that their data contains sensitive financial information.

In your discussions about Symmetrix, what should be discussed?

- A. Symmetrix Access Control
- B. Symmetrix Power Vault
- C. Symmetrix Priority Controls
- D. Symmetrix Security Division

Answer: A

23 A customer recently purchased an EMC Disk Library 4206 running code version 3.2. One of the customer's primary objectives is to reduce data center cooling and power consumption.

Which option should be enabled on the EDL 4206?

- A. De-duplication
- B. Drive spin down
- C. RAID 6
- D. Variable fan speed

Answer: B

24 Your customer works with payment card information and has several terabytes of sensitive data on a CLARiiON CX600. They are in the process of migrating the data to a new CX3-80 using SAN Copy. When the migration is completed, they intend to return the array to EMC for financial credit, but the Chief Security Officer found out about this plan and stopped the migration because the officer perceives a serious risk of exposing sensitive customer data.

What should you discuss with the Security Officer to get the migration back on track?

- A. Certified Data Erasure Service
- B. Data Elimination Service
- C. Drive Destruction Service
- D. Utilize Navicli Erasure commands

Answer: D

25 What are the primary goals of an optimization engagement?

- A. Avoid future problems, reduce complexity, enable high -availability
- B. Fix existing problems, avoid future Problems, reduce costs
- C. Fix existing problems, improve utilization, increase efficiency
- D. Reduce costs, reduce complexity, increase efficiency

Answer: D

26 After an application server has presented information to the EMC Centera API for archiving, what is the next operation?

- A. Object is authenticated by the EMC Centera
- B. Object is replicated
- C. Unique Content Address is calculated by the API
- D. Unique Content Address is validated by the client

Answer: C

27 A customer is researching backup-to-disk solutions and would like to gather metrics on how much total data in the environment is being backed up on a monthly basis.

Using EMC Backup Advisor, which procedure would provide this information?

- A. Configure an alert notification for when the backup application cannot communicate with the tape library during a scheduled backup
- B. Run a media count by pool report. Count the available tapes and extrapolating both the number of tapes used by the server and the number of tapes added to the library.

C. Run a Monitoring report to see how many backups actually finish; go to all servers and gather capacity numbers

D. Run a performance throughput report on the Master and Client server to identify potential bottlenecks in backup schedules

Answer: B

28 A CX3-40 customer is experiencing a drop in performance on their Exchange box when their File Shares get backed up. Due to lack of space, the two servers are forced to share spindles. You discover they have NQM installed.

What metric could they enforce on the Exchange LUNs to relieve the performance issue?

A. Bandwidth

B. Priority

C. Response time

D. Throughput

Answer: C

29 A customer running DiskXtender would like to move a large amount of data from nearline to online for faster access to data for an upcoming project. Which process would be required to fulfill this requirement?

A. Enable the direct read setting to allow reads to occur directly from the target.

B. Files are always accessible from the target and recalled upon user file access so no further action is required.

C. Invoke a prefetch operation to move desired files back to the source.

D. Invoke the move rule to move the files back to the source.

Answer: C

30 Which EMC solution provides the ability to perform virtual tape shredding in compliance with strict regulatory requirements?

A. Avamar

B. EDL

C. EMC Centera

D. RepliStor

Answer: B