



Exam : **EMC E20-590**

Title : Backup and Recovery Specialist
Exam

Update : Demo

1. You designed a customer solution using a disk device for backups. The available disk space is limited.

You determined that it is necessary to move data from disk to tape after a specified time.

What should you use?

- A.Advanced file type device with cloning
- B.Advanced file type device with staging
- C.File type device and nsrcompress
- D.File type device with archiving

Answer: B

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Answer: B

3. In an EMC Disk Library (EDL) environment, what describes the auto-archive feature?

- A.Backup application issues clone command; EDL copies save sets to physical tape with a different barcode
- B.Backup application issues clone command; EDL copies save sets to physical tape with the same barcode
- C.Backup application issues eject command; EDL moves backup data to physical tape with a different barcode
- D.Backup application issues eject command; EDL moves backup data to physical tape with the same barcode

Answer: D

4. A customer has a DMX-3 system with available low cost Fiber Channel storage and wants to use it as a backup-to-disk destination storage device. Some of the storage nodes in the network are not connected to the SAN.

Which solution can be used so that all storage nodes in the environment use the DMX-3 as the backup-to-disk destination device while leveraging their current investment?

- A.CX80G
- B.DL210
- C.NS80
- D.NS80G

Answer: D

5. A customer wants to expand an existing Symmetrix DMX-3 production system for use with backup-to-disk. What do you recommend?

- A.Add ATA disks
- B.Dedicate a quadrant to backup
- C.Use Fibre Channel disks only
- D.Use RAID 3 with the backup LUNs

Answer: B

6. A customer has a DL4100. What is required to activate the embedded storage node?

- A.Add the embedded storage node license through the EMC Disk Library GUI
- B.Log in to the disk library and install the EMC NetWorker storage node
- C.Log in to the disk library and run the enable_esn.sh script
- D.Use the command line interface to enable the embedded storage node option

Answer: A

7. A customer is concerned about non-intentional SCSI resets destroying backups in their EMC NetWorker environment. Which EMC NetWorker feature should be configured?

- A.Auto Media Verify

- B.Eject Sleep
- C.Idle Device Timeout
- D.Port Polling Period

Answer: A

8. You are designing a backup solution for an EMC NetWorker customer who wants to backup while restoring from the same device. Which option should be used?

- A.Advanced file type device
- B.File type device
- C.Save set cloning
- D.Save set staging

Answer: A

9. A customer needs to configure backup for a large database (~ 1 TB) with EMC NetWorker Module for Oracle. Which solution will minimize performance degradation on the database server?

- A.Backup-to-tape
- B.Backup-to-disk
- C.Backup-to-virtual tape library
- D.Backup with split-mirror function

Answer: D

10. A customer has the following backup requirements:

Must meet short backup window

Must meet low RTO

Must backup many highly transactional Oracle databases

Must eliminate tape

The customer has two data center sites with ample bandwidth between them but needs to limit utilization as much as possible. Which solution best addresses the customer's requirements?

A.A pair of EMC DL3D 3000 at two different sites with replication implemented between them

B.A pair of EMC DL4000 series at two different sites with replication implemented between them

C.A pair of EMC DL4000 series with 3D4000 at two different sites with replication implemented between them

D.A pair of EMC DL4000 series with 3D4000 at two different sites with MirrorView implemented between them

Answer: C

11. What is an advantage of implementing Celerra LAN backup-to-disk?

A.Better compression and encryption algorithms

B.Improves restore performance due to the RAID 1/0 protection schema of the target volumes

C.Minimizes storage administration by automatic creation of optimal target file systems

D.Provides a dedicated target array without the impact of other application data storage

Answer: C

12. Which performs the de-duplication process in a DL3D 1500 backup environment?

A.Back end CLARiiON

B.Backup Client

C.Engine

D.Storage Node

Answer: C

13. You are designing a backup and recovery solution using EMC NetWorker and are considering automatic cloning. What is a concern while using this feature?

A.Additional volumes must be allocated to the default clone pool

B.Cloning operations may interfere with backup operations

C.NetWorker client performance may be degraded while cloning is being performed

D.Server parallelism may need to be increased to allow for the cloning operations

Answer: B

14. What is the advantage of using N_Port ID Virtualization (NPIV)?

- A.Allows DL4000 with Active Engine Failover to be connected to FC-AL environments
- B.Allows DL4000 with Active Engine Failover to be connected to FC-SW environments
- C.Provides link aggregation capability in DL3D 1500 systems
- D.Provides multi-port replication capability in DL3D 1500 systems

Answer: B

15. An EMC NetWorker customer has a retention policy of 2 years and a browse policy of 6 months for a client. They would like to retain the indexes for all new backups for this client for an additional 30 days.

How would this be accomplished?

- A.Add 30 days to the client's browse policy
- B.Add 30 days to the client's retention policy
- C.Add 30 days to the client's retention time
- D.Add 30 days to the server's retention time

Answer: A

16. A customer wants to clone individual save sets as soon as each completes. Which device do you recommend for the backup target?

- A.Disk
- B.Tape
- C.Virtual tape
- D.WORM

Answer: A

17. An EMC NetWorker customer installed a NAS system in their environment and wants to use it as a backup-to-disk destination device via CIFS. Which device type should be used?

- A.Advanced File
- B.Celerra File System
- C.File

D.NDMP

Answer: D

18. A customer needs to configure a backup solution using EMC NetWorker with a SCSI jukebox directly attached to the EMC NetWorker server. There are two storage nodes dynamically sharing a second jukebox with four tape drives.

Which EMC NetWorker licenses are required?

- A.1 EMC NetWorker Network edition, 1 Storage Node, and 4 Dynamic Drive Sharing
- B.1 EMC NetWorker Network edition, 2 Storage Nodes, 4 Dynamic Drive Sharing, and 2 Autochangers
- C.1 EMC NetWorker Power edition, 2 Storage Nodes, 4 Dynamic Drive Sharing, and 1 Autochanger
- D.1 EMC NetWorker Power edition, 2 Storage Nodes, and 4 Dynamic Drive Sharing

Answer: B

19. Why are split-mirror snapshots preferred for recovery from LUN failure?

- A.Always synchronized
- B.Faster recovery compared to Copy on Write snapshots
- C.Provides a complete copy of production data
- D.Requires less storage space compared to Copy on Write snapshots

Answer: C

20. An EMC NetWorker customer wants to clone save sets from an EMC Disk Library (EDL) to a physical tape library with the ability to track all tapes in EMC NetWorker.

Which solution will accomplish this while minimizing SAN usage?

- A.Attach the physical library to the EDL and let it handle the operation
- B.Configure an existing storage node to perform the operation
- C.Configure the EDL with the embedded storage node
- D.Install a second storage node in the environment dedicated to cloning

Answer: C

21. What is a characteristic of a hot backup?

- A.Application is not accessible to users during backup
- B.Application is running during backup
- C.Application read I/O is suspended during backup
- D.Application write data is suspended during backup

Answer: B

22. A customer wants to add online backup of their VMware machines to their EMC NetWorker backup environment. Which type of VMware backup, with EMC NetWorker, allows the customer to use the same backup methods as that used with their physical machines?

- A.Guest Backup
- B.SCSI Backup
- C.VMware Consolidated Backup
- D.VMware Service Console Backup

Answer: A

23. How is a Celerra NDMP PAX backup done?

- A.Follows reverse tree order, traversing directories and reading large file blocks
- B.Follows specific tree order, traversing directories and reading file blocks
- C.Processes file system metadata first, and then transfers used blocks from the directory level
- D.Processes file system metadata first, and then transfers used blocks from the volume level

Answer: B

24. A company with an Oracle database hosted on a CLARiiON CX3 system wants to maintain a synchronous image of the active database in real time in a secure remote data center.

Which CLARiiON tool do you recommend?

- A.MirrorView
- B.SAN Copy
- C.SnapView

D.TimeFinder

Answer: A

25. Which EMC NetWorker option enables concurrent backup and recovery on the same device?

A.Advanced file type device

B.Automatic cloning

C.Regular file type device

D.Save set staging

Answer: A

26. An advertising agency customer has UNIX file servers with thousands of JPEG files to be backed up and restored individually. Which EMC NetWorker directive should be implemented for efficient backups?

A.DOS standard

B.rawasm

C.UNIX standard

D.UNIX with compression

Answer: C

27. What does the "Recover Space Interval" attribute define in an EMC NetWorker staging policy?

A.Length of time between checks to determine if high water mark or max storage period has been reached

B.Length of time between checks to determine if save sets exist that are not tracked in the media database

C.Length of time between checks to determine if save sets exist that are tracked in the media database

D.Maximum number of hours or days that a save set can reside on a file device before it is staged

Answer: B

28. A customer with an Oracle database hosted on a Symmetrix system is not meeting their backup window requirements for the database.

Which Symmetrix feature would you propose that allows the customer to backup the database with minimal access disruption to production database but also allows them to perform backups without being constrained by the current backup window?

- A.SnapView
- B.SRDF
- C.TimeFinder/Clone
- D.TimeFinder/Snap

Answer: C

29. You are designing a solution using EMC NetWorker with PowerSnap to create and backup Copy on Write (CoW) snapshots of a STD device on a DMX-3.

The STD volume size is 300 GB with a change rate of 10 percent.

What is the minimum VDEV (Virtual Device) size that should be defined?

- A.30 GB
- B.270 GB
- C.300 GB
- D.330 GB

Answer: C

30. Which best describes EMC NetWorker's architecture?

- A.Client File Indexes and Media database are stored on the EMC NetWorker server only
- B.Client File Indexes are stored on the client
- C.Client File Indexes are stored on the EMC NetWorker server but Media databases are stored on the storage nodes
- D.Configuration information for the clients is stored on the clients

Answer: A



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