



E20-895^{Q&As}

Backup Recovery - Avamar Expert Exam for Implementation Engineers

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QUESTION 1

A client is performing a file system backup to an Avamar 7.0 server. During the hashing process, it determines that a file hash is not located in any of the cache pages loaded in RAM, but is found in the champion list. What will happen as a result of this?

- A. The page associated with the champion is brought into memory.
- B. The hash will be added to a page that is currently in RAM.
- C. The hash will be removed from the champion list.
- D. The file will undergo the sticky byte factoring process.

Correct Answer: A

QUESTION 2

Refer to Scenario 2.

Scenario 2

A customer has a newly installed EMC Avamar Gen4 server with three 3.9 TB nodes in their headquarters data center. They have the following backup requirements:

- Oracle database "Server DB1" with 1 TB of small databases, X86-64 architecture, 8 GB of RAM
- Oracle database "Server DB2" with 1 TB of small databases, SPARC architecture, 8 GB of RAM
- 60 file and application servers with 10 - 100 GB of data on each, X86-64 architecture, 4 GB of RAM

Database servers have daily change rates of 100 GB. Restore requirements are:

- 6 hours to recover files for any server
- 4-hour maximum backup window
- No overtime allowed on any backups

File servers have a daily change rate of 1 GB or less. The backup window starts at 10:00 P.M. and ends at 4:00 A.M.

A customer's database administrators need to know that they can meet their RTO. In addition, they want to know how to test the throughput rate when recovering all data and how to format the recovery command to guarantee throughput.

What is a recommendation for testing the throughput rate and recovery?

- A. Using a recovery rate of 75 GB/hr/node, three nodes will meet the RTO. Use --validate for testing of recovery throughput and --allnodes for recoveries.
- B. Using a recovery rate of 37.5 GB/hr/node, one node will meet the RTO. No additional switches are needed beyond a simple recovery.
- C. Using a recovery rate of 37.5 GB/hr/node, three nodes will meet the RTO. No additional switches are needed beyond a simple recovery.
- D. Using a recovery rate of 75 GB/hr/node, two nodes will meet the RTO. Use --validate and --sequencenumber for throughput testing and recovery.

Correct Answer: A



QUESTION 3

A customer has a service that must be shut down before a VM Image backup occurs. They plan to use a pre/post snapshot script to accomplish this. What should the customer consider when running the script?

- A. Username/password is required for the VM
- B. Script must be placed under the Avamar /etc/script directory
- C. Script must exist on the Avamar server
- D. Post script occurs after the backup has completed

Correct Answer: C

QUESTION 4

A customer has installed EMC NetWorker with Avamar as its device for deduplication disk storage. The administrator is setting up a NetWorker client for a Microsoft Windows 2008 SP2 server to backup to their Avamar system. Which process is responsible for the bulk of the deduplication processing on the client?

- A. nsravatar
- B. nsravamar
- C. nsradmin
- D. save

Correct Answer: A

QUESTION 5

A VMware environment is being set up for Avamar VADP image level backups. There are 20 Windows virtual machines and five image proxies are deployed. When the customer attempts to start an on-demand backup, it fails. What is a possible cause for the error?

- A. No datastores have been selected for the VM Proxy Appliance.
- B. The VM contained an additional RDM disk that could not be backed up.
- C. There are not enough proxy servers for all the virtual machines.
- D. The VM is powered off and is unable to back up.

Correct Answer: A

QUESTION 6

An EMC customer wants to implement a backup solution for their virtual machines. They are interested in Avamar deduplication features. In addition, they want to minimize the backup capacity required. Their ESX environment is



running optimally with sufficient resources.

Which backup method will provide the most optimized capacity?

- A. Guest level
- B. Instant Access
- C. Image level with CBT
- D. Image level without CBT

Correct Answer: A

QUESTION 7

A Dell EMC Avamar backup administrator is performing a GLR (Granular Level Restore) of a Microsoft SharePoint server. The administrator selected the "Restore everything to a different location" option and set "Absolute Destination" to E:\. However, the Avamar restore fails.

What is a possible reason for this result?

- A. E:\ drive is already in use
- B. Everything must be restored to the original location
- C. Absolute Destination must be on a local hard drive
- D. SharePoint server is offline

Correct Answer: A

QUESTION 8

A company recently deployed a Microsoft SharePoint farm consisting of: 3 web front-end (WFE) servers 3 application servers 2 database servers

The Dell EMC Avamar backup software setup and configuration was completed according to best practices, and one of the WFE servers was designated as the "owner" of the backup. Federated backups of this farm were running successfully for 30 days. However, last night's backup of the entire farm failed. The server team investigates, and discovers that the main system board failed on the WFE server where the front-end plug-in was installed. This server cannot be repaired fast enough to meet the backup SLA.

What should be done to resume backups of the same farm as soon as possible?

- A. Replace the failed WFE with one of the other WFE servers and start the backup
- B. Install the front-end plug-in on one of the application servers
- C. Recover the original WFE to alternative hardware before the backup can resume
- D. Install the front-end plug-in on one of the remaining WFE servers and start the backups from there

Correct Answer: D



QUESTION 9

An EMC NetWorker customer plans to implement deduplication for their file server backups. They are currently keeping their monthly backups for one year and daily backups for 1 month. They want to keep the same retention for daily and monthly backups. In addition, they need monthly backups stored on tapes.

Which cost effective solution would you recommend that the customer install?

- A. Avamar deduplication node only
- B. Avamar deduplication node and media access node
- C. Avamar with ADT
- D. Avamar Virtual Edition with Tapeout

Correct Answer: A

QUESTION 10

An EMC Avamar backup administrator notices that the file cache on a backup client is under-sized. The client is using the monolithic caching strategy for the file cache. What rule is used to size the file cache?

- A. $N \times 44 \text{ MB} \times 2$, where N is the number of millions of files in the backup
- B. $N \times 44 \text{ MB} \times 4$, where N is the number of millions of files in the backup
- C. $N \times 44 \text{ MB} \times 2$, where N is the number of millions of files in the restore
- D. $N \times 44 \text{ MB} \times 4$, where N is the number of millions of files in the restore

Correct Answer: A

QUESTION 11

An EMC customer is looking for options to back up their smaller remote sites with easy remote management, so they want to use Avamar Virtual Edition (AVE).

Before installing ESX hardware at the remote sites they want to do a proof of concept using the existing ESX 4.1 server that they have at the data center. They have provisioned 2 TB of virtual disks using VMAX thin provisioning with RAID 1 data devices. They have tested the backup of three servers and do not see an improvement.

According to best practices, what should the customer have done to avoid performance issues?

- A. Use thick devices for the virtual devices.
- B. Use ESX 5.0i to host the AVE server.



- C. Use RAID 10 for the virtual devices.
- D. Use lazy zeroing to zero out all blocks.

Correct Answer: A

QUESTION 12

A Dell EMC Avamar 7.4.1 administrator is testing the file level restore feature from VMware image backups. They restore a large number of files to VM1, then restore the same files to VM2. Both restores succeed, but the restore for VM2 is much slower.

What is a possible reason for the slower restore performance?

- A. Avamar client software is not installed on VM2.
- B. The restore to VM2 was a redirected restore.
- C. HotAdd transport is not available for VM2.
- D. VM2 does not have a network connection.

Correct Answer: B

QUESTION 13

An EMC Avamar server has been using Avamar Extended Retention to export data to tape. After performing exports to tape and imports from tape, the media access node has become full.

What effect will this have on operations?

- A. Further imports will not be available.
- B. Exports to tape will not be available.
- C. Restores from the media access node will not be available.
- D. The media access node will not be able to be reset.

Correct Answer: A

QUESTION 14

A Dell EMC Avamar backup administrator is experiencing problems with the backup of multiple databases. The databases are running on a Microsoft Exchange 2010 server with a dual core processor. Due to slow backup performance, the backup cannot be completed before the backup window ends. The sizes of the databases are equal and they are running on the same disk.

What should be done to correct this issue?

- A. Group the backup streams by database



- B. Set the backup streams to 5
- C. Disable multi-streaming in the dataset
- D. Group the backup streams by volume

Correct Answer: A

QUESTION 15

An EMC Avamar customer notices that a client's Progress Bytes and percentage NewBytes are not being reported on the Activity Monitor while a backup is in progress. The backup reports "Completed with Exception(s)" when finished. What is a possible cause for this issue?

- A. cid.bin file is missing on the backup client
- B. ascd is not running on the Avamar server
- C. avtar.cmd has been deleted on the backup client
- D. Dispatcher table file is missing on the Avamar server

Correct Answer: A

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