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**Vendor:**EMC

**Exam Code:**E20-895

**Exam Name:**Backup Recovery - Avamar Expert Exam  
for Implementation Engineers

**Version:**Demo

### QUESTION 1

A backup administrator needs to recover some deleted emails in an Exchange 2007 environment and decides to use the RSG method. When the recovery from Avamar is started it immediately fails. What could be the cause of the recovery failure?

- A. The RSG information was missing.
- B. The RDB information was missing.
- C. The mail transaction logs were invalid.
- D. The mail transaction logs were missing.

Correct Answer: A

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### QUESTION 2

An existing EMC Avamar customer has noticed that garbage collection is not running properly on a daily basis. The garbage collection logs show the process failing with the MSG\_ERR\_FULL error each time it attempts to run. The Avamar Administrator reports the server capacity as 96%. What could be causing garbage collection to fail?

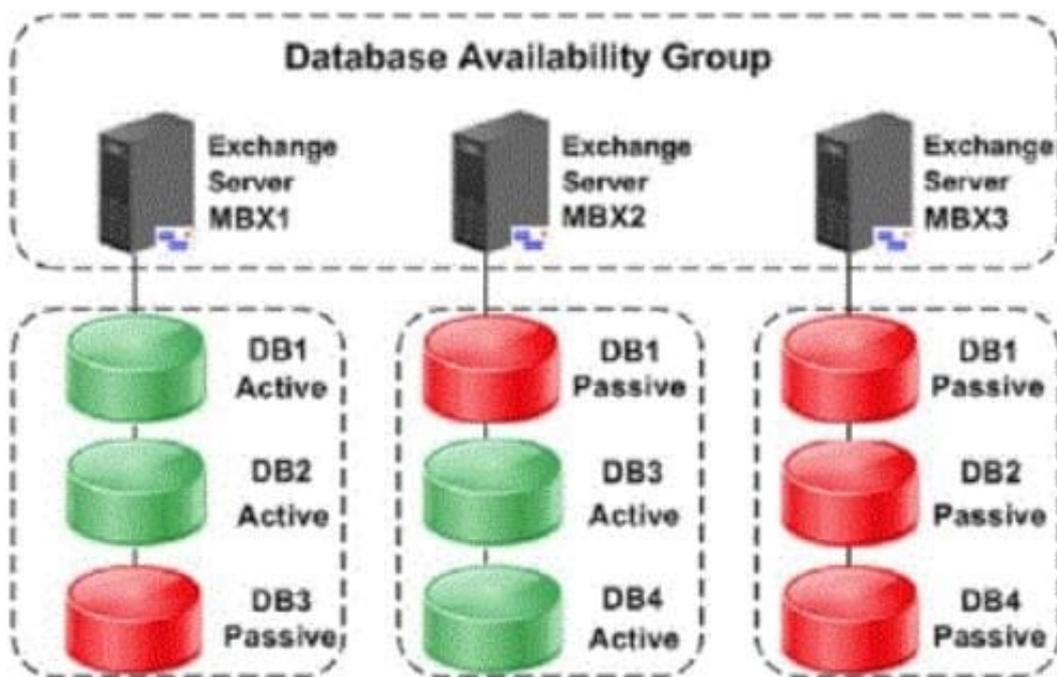
- A. GSAN capacity is over 85%
- B. Operating system capacity is over 85%
- C. Operating system capacity is over 65%
- D. Avamar server has reached the health check limit

Correct Answer: B

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### QUESTION 3

Refer to the exhibit.



A Dell EMC Avamar backup administrator configured a federated backup of their Microsoft Exchange DAG. The backup is configured to use the "prefer passive" option. The Preferred Server Order List for the backup is configured as: MBX2, MBX3, and MBX1.

Which databases are backed up?

- A. DB1 from MBX2 DB2 and DB4 from MBX3 DB3 from MBX1
- B. DB1 from MBX2 DB1, DB2, and DB4 from MBX3 DB3 from MBX1
- C. DB1, DB2, and DB4 from MBX3 DB3 from MBX1
- D. DB1, DB3, and DB4 from MBX2 DB1, DB2, and DB4 from MBX1

Correct Answer: A

#### QUESTION 4

An EMC Avamar customer wants to configure VADP to protect virtual machines at an image level. When attempting to add a vCenter server as an Avamar client, they receive an error. They have created the account on the vCenter server

with proper permissions and verified the username and password are correct. Certificate Authentication has been disabled.

What is the most likely cause of this error?

- A. Data port 443 is not open between the Avamar server and vCenter system
- B. vCenter server does not have the Avamar agent installed
- C. VADP license has not been installed on the Avamar server

D. GSAN has not been restarted after the certificate was disabled

Correct Answer: A

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#### QUESTION 5

An EMC Avamar customer notices that the Activity Monitor reports "Waiting client" for a particular client in a group backup.

What is a possible cause for this issue?

- A. The cid.bin file is missing on the client.
- B. ascd is not running on the client.
- C. Multiple avatar processes are running on the client.
- D. The dispatcher table file is missing on the Avamar server.

Correct Answer: A

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#### QUESTION 6

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

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#### QUESTION 7

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 provisioned 2 TB of virtual disks using VMAX thick provisioning with RAID 5 protection and zeroed out all blocks using eager zeroing. They 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 RAID 10 for the virtual devices.
- B. Use ESX 5.0i to host the AVE server.

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

Correct Answer: A

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#### QUESTION 8

An EMC customer has Windows virtual machines running in a VMware vSphere environment protected by an Avamar multi-node server using guest level backups. They are concerned with the RTO of these virtual machines. Which method would provide the lowest RTO?

- A. Deploy a template of the OS that is preinstalled with the Avamar agent and restore selected data.
- B. Capture VSS backups of the server and boot from the recovery ISO to restore the server.
- C. Use an Avamar VMware Image Proxy and restore the VM with CBT enabled.
- D. Use an Avamar VMware Image Proxy to perform file level restores.

Correct Answer: A

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#### QUESTION 9

An EMC Avamar customer has a backup environment consisting of three multi-node Avamar servers. You have been asked to help them configure a new Oracle database client for backup. To achieve acceptable performance for this new client, the customer wants to use multiple RMAN channels. What is a consideration of this configuration?

- A. More than two RMAN channels will decrease the deduplication rate
- B. Data from each RMAN channel must be sent to a separate Avamar server
- C. A maximum of four channels per client are supported
- D. A separate set of cache files are created on the client for each channel

Correct Answer: D

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#### QUESTION 10

A customer's SharePoint environment consists of:

- 3 Web front end (WFE) servers
- 2 Application servers
- 1 Configuration database server
- 2 Content database servers

The customer installed it according to EMC best practices for a Federated SharePoint environment by installing an

Avamar Sharepoint plug-in on one of the three WFE servers as well as all of the other servers. The WFE with the client installed fails just prior to the beginning of the backup.

What is the fastest way to get the backup process restarted?

- A. Recover the failed WFE prior to backup.
- B. Install the front end software on another WFE.
- C. Start the backup from one of the application servers.
- D. Install the client on all the WFE servers to allow for failover.

Correct Answer: A

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#### QUESTION 11

A Dell EMC Avamar customer wants to add the backups of their 30,000 employee workstations to the backup environment. They currently have an Avamar server with 10 storage nodes. They estimate that after the initial backups have completed, each backup will take approximately 15 minutes.

How many backups can be completed in one hour?

- A. 716
- B. 1036
- C. 1436
- D. 2876

Correct Answer: A

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#### QUESTION 12

A company's backup environment consists of both file system and database clients. An integrated Data Domain system was added to their existing EMC Avamar single-node Gen4S server to add backup capacity. Backups of several large Exchange and Oracle database clients were then reconfigured to back up to Data Domain storage. After several months, the backup administrator notices that the metadata utilization graph appears in red.

What is a possible cause?

- A. Avamar cannot convert unused data stripes to metadata stripes.
- B. Data Domain is unable to clean enough metadata containers to hold the backup data.
- C. The Avamar server has exceeded 65% of GSAN utilization and backups have stopped running.
- D. Avamar garbage collection has failed to free up the necessary empty stripes.

Correct Answer: A

