

## E20-598<sup>Q&As</sup>

Backup and Recovery - Avamar Specialist Exam for Storage Administrators

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**QUESTION 1**

What is the correct order of activities performed during the EMC Avamar maintenance window?

- A. Garbage collect, checkpoint, HFS check, checkpoint
- B. Garbage collect, checkpoint, HFS check only
- C. Checkpoint, HFS check, garbage collect only
- D. Checkpoint, HFS check, checkpoint, garbage collect

Correct Answer: A

The **maintenance window** is reserved for maintenance activities, primarily garbage collection, checkpoint creation, and HFS check. A limited number of backups may be initiated, but both backup time and maintenance activities will be impacted. By default, the maintenance window runs during the day from 8 am to 8 pm.

## Maintenance activities

Avamar server maintenance comprises three essential activities:

- ◆ **Checkpoint**—A checkpoint is a snapshot of the Avamar server taken for the express purpose of facilitating server rollbacks.
- ◆ **Checkpoint validation** (also known as HFS check)—A Hash File System check (also known as HFS check) is an internal operation that validates the integrity of a specific checkpoint. Once a checkpoint has passed an HFS check, it can be considered reliable enough to be used for a server rollback.
- ◆ **Garbage collection**—Garbage collection is an internal operation that recovers storage space from deleted or expired backups.

**QUESTION 2**

Your readiness checks show that a customer's Gen4 Avamar server has entered a read-only status. To avoid data loss, which recommended state should the Avamar server be in before you can continue the "Add Node" procedure?

- A. Known good controlled state
- B. Read-only state
- C. Steady state

D. Suspended state

Correct Answer: A

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**QUESTION 3**

For which situation is the adaptorctl.pl command used?

- A. Associating an Avamar server with a Backup Recovery Manager server
- B. Moving a client to a different domain in Avamar Client Manager
- C. Adding a server to be managed with Enterprise Manager
- D. Configuring a network adapter card for backup data traffic

Correct Answer: A

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**QUESTION 4**

An EMC Avamar customer, without premium support, has a requirement to recover from a failed storage node. What is the minimum number of nodes, of all types, required to support this functionality?

- A. 1
- B. 3
- C. 4
- D. 5

Correct Answer: D

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**QUESTION 5**

When sizing a large database server on an EMC Avamar, how many bytes per entry are added to the hash cache?

- A. 20
- B. 24
- C. 40
- D. 44

Correct Answer: B

The most important thing to do on a client with so many files is to make sure that the file cache is sized appropriately. The file cache is responsible for the vast majority (>90%) of the performance of the Avamar client. If there's a file cache

miss, the client has to go and thrash your disk for a while chunking up a file that may already be on the server.

So how to tune the file cache size?

The file cache starts at 22MB in size and doubles in size each time it grows. Each file on a client will use 44 bytes of space in the file cache (two SHA-1 hashes consuming 20 bytes each and 4 bytes of metadata). For 25 million files, the client

will generate just over 1GB of cache data.

<http://jslabonte.blogspot.com/2013/08/avamar-and-large-dataset-with-multiples.html>

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