



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

Backup and Recovery - Avamar Specialist Exam for Storage Administrators

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### QUESTION 1

The EMC Avamar Procedure Generator expires on a periodic basis, requiring connecting to the EMC network for an update. How often does this happen?

- A. Every four days
- B. Every week
- C. Every two weeks
- D. Every four weeks

Correct Answer: C

Has been replaced by SolVe Desktop this March#



EMC SolVe Desktop - Authorized as customer until ٠٦ أبريل

Authorization Help

# Solve Desktop

*Solutions for validating your engagement*

Solve Desktop version 1.0.0.161  
Loaded keychain  
Authorized as customer



Avamar

EMC<sup>2</sup> Begin

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Authorization Help

# Solve Desktop

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Avamar

- Avamar Customer Procedures
  - Avamar Leap Second ESG129958
  - Avamar VMware Backups ESG127567
  - Avamar WD Firmware Update ESG130554
  - VMWare Disk Size Scan Tool Procedure
  - Avamar ETA172468 Hot Fix Procedure

Authorization Help

- Reauthorize and get new products
- Send authorization debug information
- Deauthorize and delete cached content

**QUESTION 2**

Avamar solves the challenge of redundancy in backup data at the client—before transfer across the LAN or WAN during a backup operation. Avamar backup agents are deployed on the systems to be protected (for example, servers, desktops, laptops) to identify and filter repeated data segments stored in files within a single system and across multiple systems over time. This ensures that each unique data segment is backed up only once across the enterprise. As a result, copied or edited files, shared applications, embedded attachments, and even daily changing databases generate only a small amount of new backup data.

By moving only new, unique subfile variable length data segments, Avamar significantly reduces the required daily network bandwidth and storage. By storing just a single instance of each subfile data segment globally, Avamar also reduces total back-end storage by up to 50x for cost-effective, long-term, disk-based recovery.

What is the function of an EMC Avamar spare node?

- A. Load balance the utility node
- B. Dynamically grow capacity
- C. Replace a failed data node
- D. NDMP accelerator

Correct Answer: C

**Notes****Symptom**

Every multi-node Avamar system must have a spare node. Below are guidelines that describe how it is used to provide redundancy.

**Resolution**

- The Avamar spare node is a standby server which remains powered on and can be placed in operation as a data or utility node. This is a manual process.
- The spare node should not be used to increase capacity on the grid.
- On certain occasions, it also can be used for as a part replacement source, which should be decided by management.
- The only parts that can be used are Hard Drives, Power Supply or the chassis (in case of a Hard Drive swap).
- Hard Drives and Power Supplies are hot swappable.
- Hard Drive: No more than 1 disk should be removed from the spare node.
- Power Supply: If one power supply must be removed for a period of time, the remaining power supply must be installed in the left bay and a blank installed in the right bay.
- **IMPORTANT:** Extended operation of a node with only one functioning power supply and no blank can cause the node to overheat.
- Chassis: For more details see esg104620 and "Transplanting a Node" chapter on *ADS Customer Service Guide*.

**Other points to consider:**

- A node rebuild can be affected if the spare node is in a degraded state. That is, if a HDD has been removed and another node on the grid goes offline.
- As some grids are formed with multi generation nodes, it is necessary to verify if the parts are the same and extra attention must be paid when ordering new parts.
- Spare nodes are not part of the active Avamar GSAN and therefore, hardware failures are not monitored in the same way as on other Avamar nodes.

[https://emc--c.na5.visual.force.com/apex/KB\\_BreakFix\\_1?id=kA1700000000TkN](https://emc--c.na5.visual.force.com/apex/KB_BreakFix_1?id=kA1700000000TkN)



### QUESTION 3

Which EMC Avamar Administration Console window is used to adjust the time when the server runs garbage collection?

- A. Tools => Manage Schedules
- B. Administration => Event Management
- C. Policy => Policy Management
- D. Administration => Services Administration

Correct Answer: A

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### QUESTION 4

An EMC Avamar backup client is backing up the Windows file system and SQL database using the same dataset for their backup policy. What backup behavior is expected to occur?

- A. One backup is created, then executed
- B. Two backups are created, then run one at a time
- C. Two backups are created, then run simultaneously
- D. Backup will fail; a backup group must be created for each backup type

Correct Answer: B

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### QUESTION 5

Which processes are started automatically during an EMC Avamar Windows client installation?

- A. avagent and avsc only
- B. avtar and avagent only
- C. avtar, avagent, and avsc
- D. avsc and avtar only

Correct Answer: A