



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

Backup and Recovery - Avamar Specialist Exam for Storage Administrators

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### QUESTION 1

An EMC Test Lab manager has asked you to implement Avamar 6 on their EMC Avamar Data Store (ADS) Gen3 that is currently running Avamar 4.0.

Can this Avamar ADS Gen3 server be made to run Avamar 6?

- A. Yes. Upgrade Avamar 4.0 to 4.1 and then upgrade from 4.1 to 6.0.
- B. No. Avamar 6 cannot be installed or upgraded on Avamar ADS Gen3 servers.
- C. Yes. Re-kickstart the Gen3 nodes with RHEL OS and perform a new install of Avamar 6.
- D. Yes. Re-kickstart the Gen3 nodes with SLES OS and perform a new install of Avamar 6.

Correct Answer: A

Not sure about the original answer!! Road Map for Avamar 6#



The following table provides the correct upgrade path to Avamar server 6.1.

**Table 8** Avamar server upgrade road map

If	Do this:
Avamar server version is 3.x or earlier, and the Avamar system comprises utility or storage nodes only	<ol style="list-style-type: none"><li>1. Upgrade the RHEL operating system (OS) to version 4.8. The <i>EMC Avamar System Upgrade Guide</i> for version 4.1 provides instructions.</li><li>2. Upgrade the Avamar server software to 4.1.2-33. The <i>EMC Avamar System Upgrade Guide</i> for version 4.1 provides instructions.</li><li>3. Run a checkpoint, a full HSFcheck, and a full health check.</li><li>4. Upgrade the Avamar server to 6.1. Use the instructions in this manual.</li></ol>
Avamar server version is 4.0.x	<ol style="list-style-type: none"><li>1. Upgrade to 5.0. The <i>EMC Avamar System Upgrade Guide</i> for version 5.0 provides instructions.</li><li>2. Upgrade to the latest version of Avamar 6.1. Use the instructions in this manual.</li></ol>
Avamar server version is 5.0.x or 6.0.x	Upgrade directly to the latest version of 6.1. Use the instructions in this manual.
Avamar server version is 6.1.x	Use the instructions in this manual to upgrade to the latest version of 6.1.
Upgrading AVE version	See “Avamar Virtual Edition upgrade road map” on page 24.

Road Map for Avamar 7#



**Table 8** Avamar server upgrade road map

Software version	Upgrade path
Avamar server version is 5.x	<ol style="list-style-type: none"><li>Upgrade to 6.x. The <i>EMC Avamar 6.0 System Upgrade Guide</i> provides instructions.</li><li>Upgrade to Avamar 7.0. Use the instructions in this manual.</li></ol>
Avamar server version is 6.x	Upgrade to Avamar 7.0. Use the instructions in this manual.
Upgrading AVE version	See “Road map for upgrading Avamar Virtual Edition” on page 21.

**Table 10** Avamar Virtual Edition upgrade road map (page 1 of 2)

Software version			Upgrade paths		
AVE	RHEL	ESX	Avamar server	OS upgrade	Avamar upgrade
1.0	See “Upgrading AVE 1.0” on page 22.				
1.1	RHEL 4.6	3.0.1–3.5	4.0.x	Upgrade OS to RHEL 4.8.	<ol style="list-style-type: none"><li>Upgrade Avamar from 4.0.x to 5.x.</li><li>Upgrade 5.x to 6.x.</li><li>Upgrade 6.x to 7.0.</li></ol>
1.2	RHEL 4.6	3.0.1–3.5	4.1.1-340	Upgrade OS to RHEL 4.8.	<ol style="list-style-type: none"><li>Upgrade Avamar from 4.1.1-340 to 5.x.</li><li>Upgrade 5.x to 6.x.</li><li>Upgrade 6.x to 7.0.</li></ol>
4.1.2	RHEL 4.8	3.5–4.0	4.1.2-33	N/A	<ol style="list-style-type: none"><li>Upgrade Avamar from 4.1.2-33 to 5.x.</li><li>Upgrade 5.x to 6.x.</li><li>Upgrade 6.x to 7.0.</li></ol>
5.0.2	RHEL 4.8	3.5–4.0	5.0.2-41	N/A	<ol style="list-style-type: none"><li>Upgrade Avamar from 5.0.2-41 to 6.x.</li><li>Upgrade 6.x to 7.0.</li></ol>
5.0.3	RHEL 4.8	3.5–4.1	5.0.3-29	N/A	<ol style="list-style-type: none"><li>Upgrade Avamar from 5.0.3-29 to 6.x.</li><li>Upgrade 6.x to 7.0.</li></ol>
5.0.4	RHEL 4.8	3.5–4.1	5.0.4-30	N/A	<ol style="list-style-type: none"><li>Upgrade Avamar from 5.0.4-30 to 6.x.</li><li>Upgrade 6.x to 7.0.</li></ol>
6.0	RHEL 4.8	4.0–5.0	6.0	N/A	Upgrade to 7.0.
6.1	SLES 11.0	4.1–5.1	6.1	N/A	Upgrade to 7.0.
7.0	SLES 11.0	4.1–5.1	7.0.0.nnn	N/A	Upgrade to the latest build of 7.0.



## QUESTION 2

In which directory are the EMC Avamar administrator logs located?

- A. /usr/local/avamar/server\_log
- B. /usr/local/avamar/var/log
- C. /usr/local/avamar/var/mc/server\_data
- D. /usr/local/avamar/var/mc/server\_log

Correct Answer: D

**Table 16** Single-node server log files (page 1 of 3)

Feature/function	Log file locations
Avamar Administrator server	/usr/local/avamar/var/mc/server_log/flush.log
	/usr/local/avamar/var/mc/server_log/restore.log
	/usr/local/avamar/var/mc/server_log/mcserver.log.#
	/usr/local/avamar/var/mc/server_log/mcserver.out
	/usr/local/avamar/var/mc/server_log/pgsql.log
	/usr/local/avamar/var/mc/server_data/postgres/data/pg_log/ postgresql-DATE_TIME.log
	/usr/local/avamar/var/mc/server_data/mcs_data_dump.sql

## QUESTION 3

Based on EMC best practices, what is recommended when creating Avamar schedules?

- A. Use a single schedule where possible
- B. Use a different schedule for each group
- C. Use multiple schedules to ensure backup jobs do not overlap
- D. Use a separate schedule for each client

Correct Answer: A



#### QUESTION 4

What happens when files fail to find a match in the file cache during a backup of an EMC Avamar client computer?

- A. An "is present" call to the Avamar server
- B. Fewer chunks are compressed
- C. More files are processed for backup
- D. Increased memory swapping

Correct Answer: C

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#### QUESTION 5

Which port does EMC Avamar use to access the Management Console database for reporting?

- A. 5555
- B. 7778
- C. 8443
- D. 8080

Correct Answer: A

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