E20-598 Q&As

Backup and Recovery - Avamar Specialist Exam for Storage Administrators

Pass EMC E20-598 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.leads4pass.com/e20-598.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by EMC
Official Exam Center

⚙ **Instant Download** After Purchase

⚙ **100% Money Back** Guarantee

⚙ **365 Days** Free Update

⚙ **800,000+** Satisfied Customers

QUESTION 1

Which role is used to perform and monitor restores?

A. Activity Operator

B. Backup/Restore User

C. Restore Only Operator

D. Restore Only User

Correct Answer: C

Restore only operator

Restore only operators are generally only allowed to perform restores and to monitor those activities to determine when they complete and if they completed without errors.

QUESTION 2

How much RAM is required for an EMC Avamar Gen4 utility node?

A. 4 GB

B. 8 GB

C. 12 GB

D. 24 GB

Correct Answer: C

http://whughgriffin.wordpress.com/2011/07/05/avamar-ads-gen4-node-hardware/

› Avamar ADS Gen4 Node Hardware

July 5, 2011

With the release of the new Gen4 nodes, we can now take advantage of higher density disks and improved hardware configurations. There are 6 different type of nodes: Accelerator node, Utility node, 1.3TB, 2.6TB, 3.9TB and 7.8TB storage nodes.

All of the above node types now sport a single Quad Core Processor with the exception of the Accelerator node containing 2 Quad Core Processors, this is a step above the single processor in previous Gen models.

Disks are now configured in a RAID 1 configuration for increased performance. All node chassis' are the R710 model with support up to 6 drives, except the 7.8TB node that has a R510 chassis which can support up to 12 drives.

A thing to note about the 7.8TB node, is the inclusion of a 100GB SSD for increased memory performance focusing on indexes. With the increased amount of disks and activity, this should keep the performance in line with the other nodes.

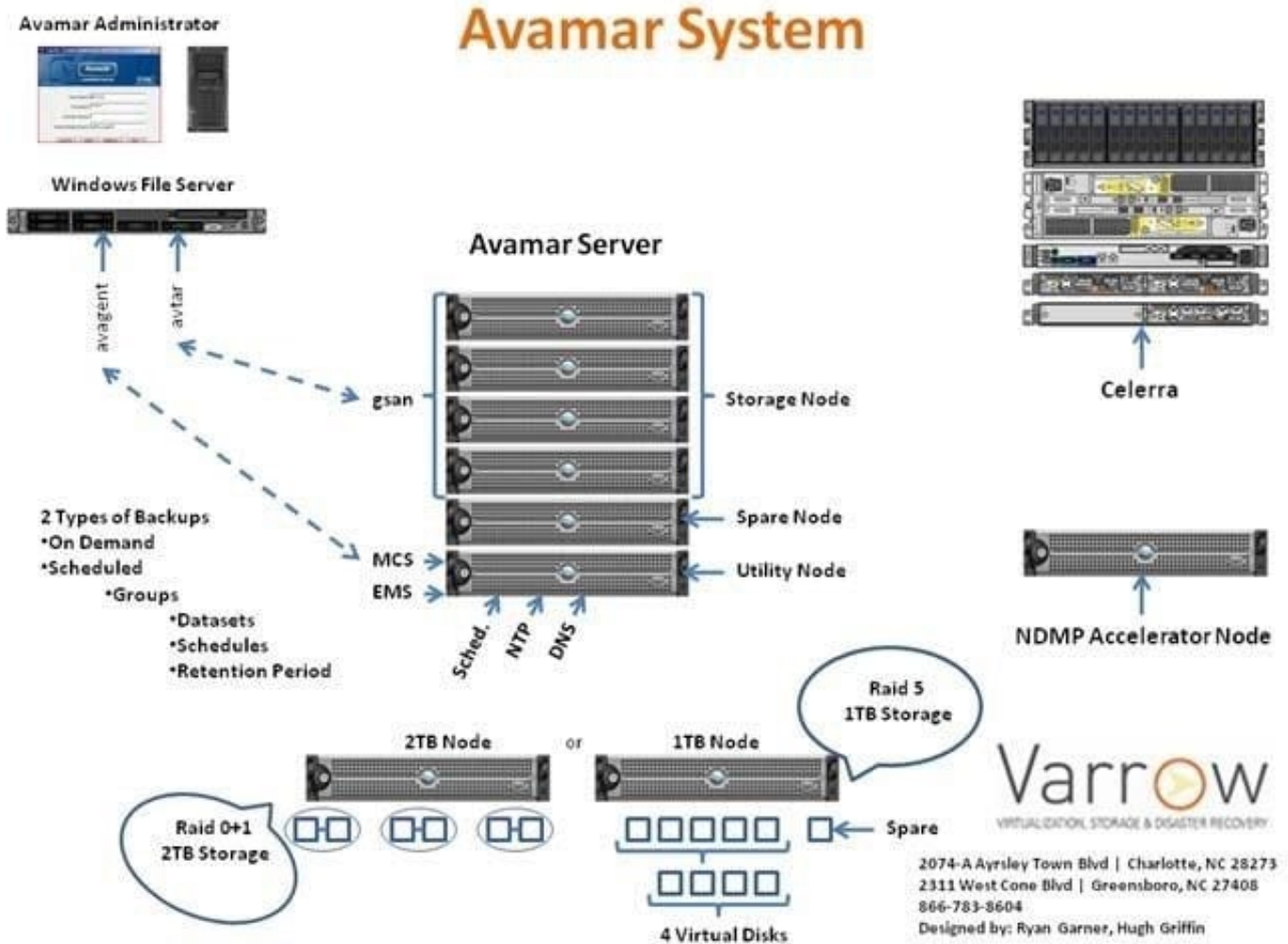Here is a table with the different type of Nodes and their perspective hardware configuration:

Nodes	Disk	RAM	CPU	Ethernet	Chassis
7.8TB	12x2TB SATA 6x RAID 1 pairs	32GB 100GB SSD	1	4	R510
3.9TB	6x2TB SATA 3x RAID 1 pairs	36GB	1	4	R710
2.6TB	4x2TB SATA 2x RAID 1 pairs	24GB	1	4	R710
1.3TB	2x2TB SATA 1x RAID 1 pair	12GB	1	4	R710
Utility	2x300GB SAS 1x RAID 1 pair	12GB	1	8	R710
Accelerator	2x300GB SAS 1x RAID 1pair	36GB	2	4	R710

QUESTION 3

During a backup, which EMC Avamar server process communicates with the avtar process on the client?

A. EMS

B. MCS

C. GSAN

D. avagent

Correct Answer: C

Are next type of node is the Storage Node, which run a process called gsan. This service communicates with the avtar command on the individual backup clients. Avtar communicates with a storage nodes gsan process, then that storage node spreads the data across the available data nodes. Avamar Node Types and Processes There are several different types of Nodes within an Avamar Server. The Utility node is the identity of the Avamar Server and provides the bulk of the internal Avamar server processes such as: Avamar Administrator (used to manage the Avamar Server from a gui), cron jobs, DNS, NTP, external authentication, web access, MCS and EMS. MCS (Management Console Server) provides centralized management including scheduling of backups, restore of backups, monitoring and reporting. EMS (Enterprise Manager Server) provides web based management for multiple Avamar Servers as well as monitoring and configuration for Avamar Replication. Web Access provides access to documentation, backup plug-ins as well as remote File System restore access to end users. Are next type of node is the Storage Node, which run a process called gsan. This service communicates with the avtar command on the individual backup clients. Avtar communicates with a storage nodes gsan process, then that storage node spreads the data across the available data nodes. A Spare Node is an active node that is present in a multi-node RAIN (Redundant Array of Independent Nodes) grid. The interesting thing about the Spare Node is that it is NOT a hot spare. There is a procedure in place that needs to be followed when a failed Storage Node occurs. In fact, the Avamar Server doesn\\'t even care if the Spare Node is powered on, so if you are a "Green" conscience company, feel free to leave the Spare Node powered down. EMC Best Practice is to leave the Spare Node up and active though. Avamar Backups clients can be installed with 2 different types of client plug-ins: File System and Databases. The Avamar client uses 2 processes in the backup and restore process: Avtar and Avagent. The Avagent process listens for backup/restore work orders from the MCS service on the Utility Node using port 28002 and executes the avtar command that handles the backup/restore processes and communicates with the gsan service on the storage nodes. This process is depicted in the included picture above. Lastly, in a previous blog, I discussed the 2 different licensable options for Avamar and how the disks are comprised in each Storage Nodes type. These are

depicted in the picture above as well as a breakdown of how the disks are structured.
http://whughgriffin.wordpress.com/2009/06/03/avamar-system-overview/

QUESTION 4

What is used to qualify a virtual environment for running an EMC AVE solution?

A. iperf

B. EBSS

C. Performance Assurance Tool

D. Procedure Generator

Correct Answer: C

Iperf

Use the iperf utility to test the network bandwidth

For the most comprehensive results, run the `iperf` utility in server mode on the Avamar server and in client mode on the Data Domain system. Then run the `iperf` utility in server mode on the Data Domain system and in client mode on the Avamar server. Run the `iperf` utility several times to verify the consistency of the results.

EBSS While there are several products that can be used to size an EMC deduplication system for Avamar or Data Domain, only the EMC Backup System Sizer (EBSS) is an official EMC product. It runs on Adobe Air and there for runs on Windows or Mac, and EMC recommends you always download the latest version. It will come in a zip file which includes supplements and a client questionnaire. Performance Assurance Tool

Pre-sales performance analysis

Pre-sales performance analysis for AVE is required. It is performed by EMC-trained personnel. Server hardware and the virtual environment must meet resource capability benchmarks according to results from the AVE Performance Assurance Tool (PAT). This tool also simulates the load imposed on the ESX/ESXi Server so that the customer can gauge the potential impact on the targeted ESX/ESXi Server. After the PAT is complete, the instructions contain information on how to analyze the data collected and determine if the ESX/ESXi Server is a good candidate for AVE.

QUESTION 5

An EMC Avamar Gen4 server has arrived at a customer\'s site. You begin reviewing the hardware for an Avamar 6 installation. You find that two of the five nodes are Gen3 running RHEL OS and the others are running SLES OS. Can

you proceed with the install?

A. No. All nodes in a Gen4 server must be Gen4 running SLES OS.

B. Yes. The two nodes running RHEL can be re-kickstarted with SLES OS.

C. Yes. The three nodes running SLES can be re-kickstarted with RHEL OS.

D. No. All nodes in a Gen4 server must be Gen4 running RHEL OS.

Correct Answer: A

QUESTION 6

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

A. avagent and avscc only

B. avtar and avagent only

C. avtar, avagent, and avscc

D. avscc and avtar only

Correct Answer: A

QUESTION 7

On an EMC Avamar Windows client host, what is the default location for the Avamar software?

A. C:\program files\avs

B. C:\program files\avamar

C. C:\avamar\avs

D. C:\avmrclnt

Correct Answer: A

QUESTION 8

You are working in a Microsoft Windows Active/Passive cluster environment. On which cluster node(s) must the EMC Avamar Windows file system client be installed?

A. Active and passive clients only

B. Active client only

C. Virtual client only

D. Active, passive, and virtual clients

Correct Answer: A

QUESTION 9

A company using EMC Avamar wants to delete a backup from their grid during the end of the maintenance window. However, they are not able to delete it. What may prevent the backup from being deleted?

A. Garbage collection has been manually started

B. Maintenance activities have been suspended

C. Backups are running on the client

D. O/S capacity utilization exceeds 80%

Correct Answer: A

QUESTION 10

An EMC Avamar storage administrator has 400 Microsoft Windows clients; 350 are production and 50 are development. The administrator wants to replicate only the production servers.

If Enterprise Manager is used to only include the production servers, what will be replicated?

A. Clients

B. Clients and MC_Backups

C. Clients, MC_Backups, and EM_Backups

D. Clients, MC_Backups, EM_Backups, and checkpoints

Correct Answer: A

com.avamar.mc.repl

The following table describes the Avamar policy-based replication settings in com.avamar.mc.repl. This entire node added in version 7.0.

Table 399 com.avamar.mc.repl settings

Element	Description
internal_accounts	Specifies internal accounts that must always be repli Default setting is AVI_BACKUPS, EM_BACKUPS, MC_E MC_RETIRED, EBR_BACKUPS.

QUESTION 11

Which basic network settings are required when configuring an EMC Avamar node at installation?

A. IP address, DNS parameters, subnet, hostname and domain, gateway

B. IP address, SMTP server, subnet, hostname and domain, gateway

C. IP address, DNS parameters, duplex, hostname and domain, gateway

D. IP address, DNS parameters, subnet, MTU size, gateway 54

Correct Answer: A

QUESTION 12

Which document should be approved and available to you at the time of a node addition to a customer\\'s EMC Avamar server?

A. SVC Qualifier

B. Healthcheck report

C. ConnectEMC (SYR) report

D. Sales order

Correct Answer: A

QUESTION 13

What happens when an EMC Avamar advanced retention policy is used for backups?

A. Retention rules are applied to backups based on the backup completion time

B. Retentions are dynamically assigned to scheduled backups based on when the backups occur

C. The daily retention value is automatically assigned to on-demand backups

D. An upper retention limit is dynamically applied to all backups

Correct Answer: B

QUESTION 14

A customer has three remote sites that contain large NAS mounted file systems. They would like to back up to their centrally located EMC Avamar server. What is the recommended method for performing these backups?

A. Install NDMP accelerator nodes in each remote site, backing up to the centrally located Avamar grid over the WAN

B. Install an NDMP accelerator node at the central site for all remote site NDMP backups through the WAN links

C. Install Avamar client software on the NAS devices in each remote site, backing up to the centrally located Avamar grid over the WAN

D. Install Avamar client software on servers which have the file systems mounted and schedule the jobs through the Administrative Console GUI

Correct Answer: A

QUESTION 15

You are performing an ad-hoc backup from a Microsoft Windows client. Which log file would you use to investigate communication issues between the Avamar client and the Avamar server utility node?

A. avagent.log

B. COD-workorder-Windows.log

C. MOD-workorder-Windows.log

D. err.log

Correct Answer: A

[E20-598 Study Guide](link)   [E20-598 Exam Questions](link)   [E20-598 Braindumps](link)