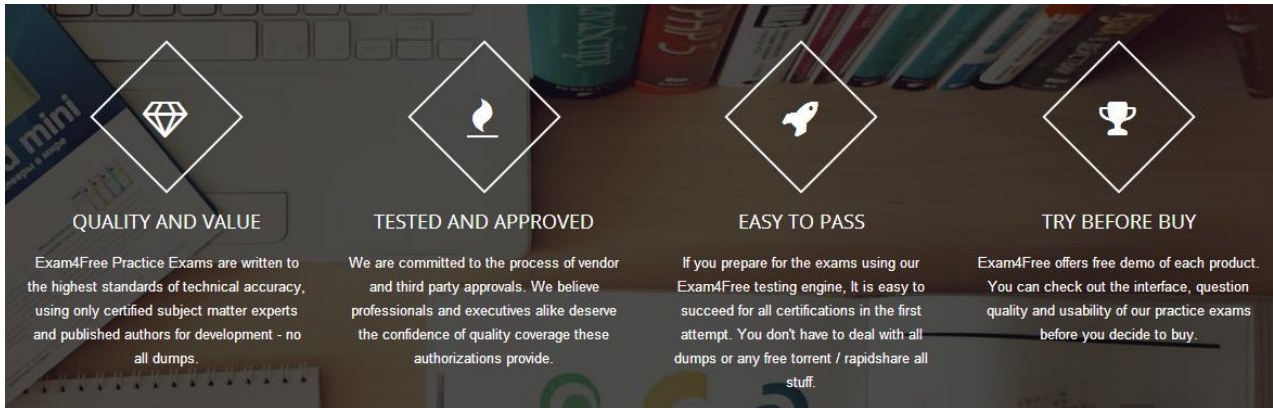


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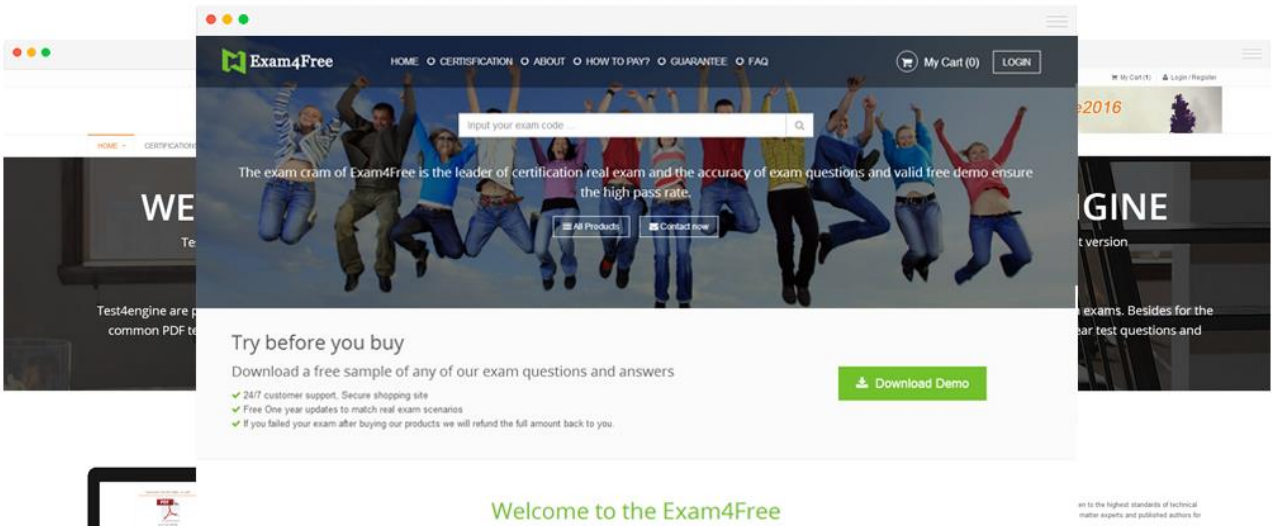
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Exam : **E20-895**

Title : Backup Recovery - Avamar
Expert Exam for
Implementation Engineers

Vendor : EMC

Version : DEMO

NO.1 An EMC Partner has a 1 X 4 Avamar server. They are backing up 4,000 desktop and laptop (DTLT) clients.

Each client takes up to 20 minutes to complete a backup.

How long would it take to back up all the DTLT clients?

- A. 4.6 hours
- B. 5.6 hours
- C. 4.2 hours
- D. 6.2 hours

Answer: A

NO.2 A customer wants to back up their DB2 database on an Avamar 7.0 DB2 client. Currently they are using Avamar Administrator. They want to perform backups of individual table spaces.

What can be used to meet this requirement?

- A. NMDA for DB2
- B. DB2 CLP
- C. Avamar Administrator
- D. Avamar MCCLI

Answer: B

NO.3 An EMC customer has an Avamar server integrated with a Data Domain appliance. Their administrator noticed in the Avamar Administrator GUI that the Data Domain status bar icon is showing the Data Domain system as unresponsive.

What is the most likely impact of the problem?

- A. DD Boost cannot be used for backup operations.
- B. Avamar cannot connect to the Data Domain system, or the Data Domain system is disabled in some way. Backups and restores do not occur during this condition.
- C. Avamar cannot retrieve information from the Data Domain system. However, backups and restores can continue during this condition.
- D. Only recovery operations can be performed.

Answer: C

NO.4 A customer is using deduplication nodes in their EMC NetWorker environment. They have configured a deduplication node to replicate to an alternate deduplication node and are cloning the metadata to a secondary device. After several successful backups, the customer wants to validate that they can recover data from the replication target.

What can be done to ensure the data is recovered from the replication target?

- A. Set RECOVER_FROM_REP_HOST environment variable on the NetWorker server
- B. Initiate the recovery from the metadata clone volume
- C. Modify the client deduplication node setting to the replication target prior to running the recovery
- D. Set RECOVER_FROM_REP_HOST environment variable on the client system

Answer: A

NO.5 An EMC Avamar administrator upgraded a client to version 7.0 and performed a new backup of the client.

What is the impact on the cache files?

- A. Monolithic caching is used on both cache files
- B. Entries from f_cache.dat were migrated to f_cache2.dat
- C. Demand-paging is used for p_cache2.dat only
- D. Demand-paging is used for the p_cache by default

Answer: B

NO.6 A customer set up their EMC Celerra to back up through an Avamar NDMP accelerator node. They are not seeing any increased performance since the initial backup. They have investigated the Celerra and there are no outstanding issues.

What is a potential reason for the poor backup performance?

- A. Dataset options are set to Level-0.
- B. Dataset options are set to Level-1.
- C. The dataset advanced option is blank.
- D. Data has a low change rate.

Answer: A

NO.7 A database administrator added a 500 GB DB2 database that is being backed up online through the Avamar DB2 plug-in. They have been instructed to shorten the backup time of the database due to the Avamar backup window being quite full when the backup takes place.

Which logs can the administrator exclude from the backup to meet this requirement?

- A. Archive logs
- B. System logs
- C. Redo logs
- D. Transaction logs

Answer: A

NO.8 A service provider offers its customers web hosting services by deploying a VM server from a template. Users then load their own data onto their VM. The service provider is currently backing up the VMs to Dell EMC Avamar with an image-based solution. However, they are neither satisfied with the capacity usage on Avamar nor the restore times.

What can be done to reduce capacity usage on their backup system and reduce restore times?

- A. Perform guest level full system backupsRestore using disaster recovery methods.
- B. Perform guest level backups of only the user dataRestore by redeploying a template and restoring data
- C. Perform image-based backups to a data DomainRestore using the Instant Access feature
- D. Perform image level backups with CBTRestore with file level recovery

Answer: D

NO.9 A client is performing a file system backup to an Avamar 7.0 server. During the hashing process, it determines that a file hash is not located in any of the cache pages loaded in RAM, but is found in the champion list.

What will happen as a result of this?

- A. The hash will be added to a page that is currently in RAM.

- B. The page associated with the champion is brought into memory.
- C. The hash will be removed from the champion list.
- D. The file will undergo the sticky byte factoring process.

Answer: B

NO.10 A Dell EMC Avamar backup administrator notice that the server utilization reported by the Avamar Administrator Server view is 55.3%.

What does this value represent?

- A. Utilization relative to the read-only threshold
- B. Total deduplicated data relative to its non-deduplicated format
- C. Utilization relative to the total OS capacity
- D. Sum of all clients' capacity used relative to the OS capacity

Answer: D

NO.11 Refer to Scenario 2.

Scenario 2

A customer has a newly installed EMC Avamar Gen4 server with three 3.9 TB nodes in their headquarters data center. They have the following backup requirements:

- Oracle database 'Server DB1' with 1 TB of small databases, X86-64 architecture, 8 GB of RAM
- Oracle database 'Server DB2' with 1 TB of small databases, SPARC architecture, 8 GB of RAM
- 60 file and application servers with 10 - 100 GB of data on each, X86-64 architecture, 4 GB of RAM

Database servers have daily change rates of 100 GB. Restore requirements are:

- 6 hours to recover files for any server
- 4-hour maximum backup window
- No overtime allowed on any backups

File servers have a daily change rate of 1 GB or less. The backup window starts at 10:00 P.M. and ends at 4:00 A.M.

After kicking off the initial backups, an EMC Avamar backup administrator reports that 'Server DB1' completed its backup. However, 'Server DB2' did not.

Given the information provided, what is impacting the backup time and what can done?

- A. 'Server DB1' is taking too long to back up. Back up 'Server DB2' first, 'Server DB1' next, and then all file servers.
- B. 'Server DB2' is SPARC. Increase the amount of RAM to hold more hash cache.
- C. 'Server DB2' is SPARHash calculations take longer than an X86; increase CPU power.
- D. File servers are taking too long. Back up 'Server DB2' first and then backup 'Server DB1' and file servers.

Answer: C

NO.12 Refer to Scenario 2.

Scenario 2

A customer has a newly installed EMC Avamar Gen4 server with three 3.9 TB nodes in their headquarters data center. They have the following backup requirements:

- Oracle database 'Server DB1' with 1 TB of small databases, X86-64 architecture, 8 GB of RAM
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File servers have a daily change rate of 1 GB or less. The backup window starts at 10:00 P.M. and ends at 4:00 A.M.

A customer's database administrators need to know that they can meet their RTO. In addition, they want to know how to test the throughput rate when recovering all data and how to format the recovery command to guarantee throughput.

What is a recommendation for testing the throughput rate and recovery?

- A.** Using a recovery rate of 75 GB/hr/node, three nodes will meet the RTO. Use --validate for testing of recovery throughput and --allnodes for recoveries.
- B.** Using a recovery rate of 75 GB/hr/node, two nodes will meet the RTO. Use --validate and --sequencenumber for throughput testing and recovery.
- C.** Using a recovery rate of 37.5 GB/hr/node, one node will meet the RTO. No additional switches are needed beyond a simple recovery.
- D.** Using a recovery rate of 37.5 GB/hr/node, three nodes will meet the RTO. No additional switches are needed beyond a simple recovery.

Answer: A

NO.13 A backup administrator is running image backups of a Windows 2012 VM on a clustered Hyper-V server.

They notice that the backups are crash consistent, not application consistent.

What is a potential reason for this issue?

- A.** Dell EMC Avamar Hyper-V plug-in installed on the VM
- B.** Virtual machine is in a powered-off condition
- C.** Dataset is not configured for application consistency
- D.** Backup is running from the passive cluster node

Answer: C

NO.14 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 have provisioned 2 TB of virtual disks using VMAX thin provisioning with RAID 1 data devices. They have 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 lazy zeroing to zero out all blocks.
- B.** Use thick devices for the virtual devices.
- C.** Use RAID 10 for the virtual devices.
- D.** Use ESX 5.0i to host the AVE server.

Answer: B

NO.15 A backup administrator wants to implement image-level backups of their Windows Hyper-V cluster with SMB

3.0 using Avamar. They would like to perform application-consistent backups of all virtual machines (VMs) in the environment.

What criteria must be met for this requirement?

- A.** VM is offline. Integration Components is not installed. Guest O/S does not require VSS.

- B.** VM is online.Integration Components is installed.Guest O/S supports VSS.
- C.** VM is offline.Integration Components is installed.Guest O/S does not require VSS.
- D.** VM is online.Integration Components is not installed.Guest O/S supports VSS.

Answer: B