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Exam : **E20-895**

Title : Backup Recovery - Avamar Expert Exam for Implementation Engineers

Version : Demo

1.An EMC Avamar customer is currently using a 2 TB Avamar Virtual Edition (AVE) for their backup environment. They want to begin backing up several Oracle databases and file servers running on a new ESX server. It is determined that a separate AVE should be added to the backup environment for these new backups.
What should be done when implementing the new configuration?
A. Install the new AVE on a different ESX server from the first AVE
B. Use thin provisioning to create the new AVE
C. Run benchmark tests for acceptable TCP/IP performance
D. Use RAID 6 for the physical disk storing the new virtual disk
Answer: A

2.An EMC Avamar customer is running a backup that is being directed to a Data Domain system. The backup has completed successfully; however, it is no longer needed. From Avamar Administrator, the customer manually deletes the backup.
When is the backup data deleted from the Data Domain system?
A. Immediately on the Data Domain system
B. Manually deleted on the Data Domain system by the administrator
C. Next time the Avamar system runs garbage collection
D. Next time the Data Domain file system cleaning operation runs
Answer: C

3.An EMC employee has been assigned to run securedelete against two clients for a total of 20 GBs on an Avamar server. During a planning discussion with the customer, they want to know what the impact on their Avamar server would be while securedelete is running.
What is the correct response to the customer?
A. GSAN will be in admin mode and the Avamar server will be read only
B. Avamar will continue to function with a limited amount of available threads
C. GSAN will be shut down during the extent of the securedelete task
D. Avamar will continue to function without any limitations
Answer: A

4.A new EMC Avamar customer wants help in setting up their backup groups and schedules. They are migrating from a traditional tape backup solution with full backups performed once a week and incrementals in between. They have a regulatory requirement to keep an annual backup for seven years but want to keep all other backups for one month. Both Microsoft Windows and Linux clients will be backed up.
Based on best practices, what should be recommended?
A. Include all clients in the same group using one dataset and an advanced retention policy
B. Use a separate group for each operating system /retention combination
C. Enable the default group and use that group for all backups
D. Use one group for weekly backups and one for the other days of the week
Answer: A

5.A customer has an EMC Avamar system backing up a Celerra running DART 6.0 using a single 36 GB

NDMP Accelerator Node. They are also going to back up a VNX OE 7.0 system using the same NDMP Accelerator. Each NAS device has four volumes configured on it. Backups will be configured on the Avamar system for both NAS storage devices to start at the same time.
What will occur when the NDMP backups start using default settings?
A. Both backups will start with two active streams each
B. One NAS device will start its backup with four streams, the other will queue
C. One NAS device will start its backup with one stream, the other will queue
D. Both backups will start with one stream each
Answer: B

6.A customer has an EMC Avamar integrated with a Data Domain system as a backup solution. They would like to use encryption for the backups that are directed to the Data Domain system.
Which method(s) of encryption can be used in this environment?
A. Enable encryption-at-rest on the Data Domain system
B. Enable in-flight encryption between the client and the Data Domain system
C. Both in-flight encryption and encryption-at-rest are not supported
D. Enable both in-flight encryption and encryption-at-rest
Answer: A

7.An EMC Avamar customer has a Celerra running DART 6.0 with 20 TB of data. There are approximately 10 million files distributed across two Data Movers. They would like to backup the NAS in approximately five hours.
What is the maximum number of streams that can be configured?
A. 2
B. 4
C. 8
D. 16
Answer: D

8.An EMC customer has a three-node cluster with the Avamar Windows client installed. Each node has the Avamar Exchange 2007 plug-in installed.
What should be done to avoid backing up the same data multiple times within a backup window?
A. Exclude virtual node file systems from the physical node dataset
B. Ensure the Quorum drive is backed up only once per week instead of nightly
C. Ensure both the physical and virtual nodes are in the same Avamar group
D. Verify that the Exchange database backup is not scheduled at the same time as the file system backup
Answer: A

9.An EMC Avamar backup administrator wants to use their company login account for administering an Avamar server. The procedures were followed successfully to update the configuration for external LDAP authentication. However, they still cannot successfully log into Avamar Administrator with the account.
Which action is needed?
A. Assign a default password to the account in Avamar
B. Add the account to the Avamar server O/S

C. Add the user account to Avamar and assign a role
D. Add an Avamar domain with the same name as the LDAP domain
Answer: C

10.An EMC Avamar customer is running a backup that is being written to a Data Domain system. The Data Domain cleaning schedule runs at 8 A.M. on Tuesday mornings. Avamar maintenance runs daily at 6 A.M. A backup has completed successfully; however, it is no longer needed. The customer manually deletes the backup on Wednesday afternoon using the Avamar Administrator.
When is the space reclaimed on the Data Domain system?
A. At the next Data Domain file system cleaning
B. Immediately on the Data Domain system
C. At the next scheduled Avamar garbage collection
D. When manually deleted from the Data Domain system
Answer: A

11.A customer has been performing full backups of their SharePoint farm to an Avamar server. They have installed the Avamar SharePoint backup client without the GLR feature. They want to perform a restore of only one web application, but do not want to take any of the SharePoint farm servers offline.
What should be done?
A. Install GLR onto a separate Windows client outside of the farm
B. Install GLR onto the application server to which the web application is to be recovered
C. Install GLR onto all servers of the SharePoint farm
D. Install GLR onto the web front-end server
Answer: A

12.A customer is successfully backing up 50 virtual machines (VMs) hosted on two ESX hosts. There are two datastores and two proxy servers used for VADP-based backups. They deploy another proxy server to backup 10 new VMs residing on a new datastore. The backups for the new VMs failed with the following error:
Event Code: 30931 - Failed to initiate a backup or restore of a virtual machine because no proxy was found to service the virtual machine.
What caused this error?
A. Not enough space is allocated on the proxy server to mount VM snaps
B. Proxy server is not provisioned on the new datastore
C. Proxy host has not been given backup privilege in the vCenter
D. New datastore is not selected for the proxy server in Avamar Administrator
Answer: D

13.A customer has setup their EMC Celerra to backup 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 advanced option is blank

C. Data has a high change rate
D. Dataset options are set to Level 1
Answer: A

14.An EMC customer is using NetWorker with integrated Avamar deduplication nodes. They have expired a large amount of data on the NetWorker server. After several hours, they notice that the index entries have been deleted from NetWorker. However, data has not been removed from the deduplication node.
What is a potential reason?
A. Garbage collection has not yet occurred on the deduplication node
B. Data must also be manually expired from within Avamar
C. Garbage collection has been suspended on the NetWorker server
D. Saveset metadata has not been purged from the storage node
Answer: A

15.An existing EMC Avamar customer has noticed that garbage collection is not running properly on a daily basis. The garbage collection logs show the process failing with the MSG_ERR_FULL error each time it attempts to run. The Avamar Administrator reports the server capacity as 96%.
What could be causing garbage collection to fail?
A. GSAN capacity is over 85%
B. Operating system capacity is over 85%
C. Operating system capacity is over 65%
D. Avamar server has reached the health check limit
Answer: B

16.An EMC customer has received a warning indicating that their Avamar server has crossed the 80% capacity threshold. Backups are completing within the backup window and there have been no recent increases in the client change rates. Maintenance processes are running successfully and garbage collection is freeing up space at its expected rate.
What is the best course of action to take at this time?
A. Reassess retention policies
B. Suspend backup activity
C. Extend the blackout window period by starting it earlier
D. Activate more clients to achieve higher deduplication rates
Answer: A

17.An EMC Avamar customer has a large virtual machine (VM) with a small backup window available. On the weekends, there is a larger backup window available. Most of the files on the VM do not change daily but the few that do change are critical.
How can the customer protect the critical files every day without exceeding the daily backup window while still meeting their SLAs to protect the entire VM image?
A. Perform daily guest level backups of the critical files, and then perform image backups on the weekends
B. Perform daily image backups of the critical files
C. Perform daily image backups, and then perform guest level backups of the critical files on the

weekends
D. Perform daily guest level backups of the entire system
Answer: A

18.When using an EMC Avamar to backup an Oracle database, an error similar to the following is received:

```
RMAN-00571:
===========================================================
RMAN-00569:========= ERROR MESSAGE STACK FOLLOWS =======
RMAN-00571:
===========================================================
RMAN-03009: failure of backup command on c1 channel at 09/04/2011 13:18:19
ORA-19506: failed to create sequential file, name="07d36ccp_1_1", parms=""
ORA-27007: failed to open file
SVR4 Error: 2: No such file or directory
Additional information: 7005
Additional information: 1
ORA-19511: Error received from media manager layer, error text:
SBT error = 7005, errno = 2, sbtopen: system error
```

What is the likely cause for these errors?
A. RMAN catalog is not connected
B. A checkpoint is running on the Avamar server
C. Username and password are incorrect
D. Avamar MCS is down
Answer: C

19.Click on the calculator icon in the upper left corner. A current EMC Avamar customer is having trouble completing replication on a nightly basis. The customer's networking team sees that Avamar is only utilizing about 40% of the available bandwidth on their 45 Mb WAN link. The latency or round trip time on the WAN link is 78 ms. The customer would like to tune Avamar replication to use more of the available bandwidth
What is the Bandwidth Delay Product for this link?
A. 428 KB
B. 489 KB
C. 512 KB
D. 604 KB
Answer: A

20.An EMC Avamar customer has a two-node Microsoft Exchange 2003 cluster with one instance of Microsoft Exchange. They are backing up the storage groups only.
To ensure successful backups of the Exchange data, what is the order for installation?
A. Install the Avamar Windows client and Avamar Exchange plug-in on both nodes in the cluster. Configure the Avamar Cluster Client on the active node in the cluster.
B. Install the Avamar Windows client and Avamar Exchange plug-in on both nodes in the cluster. Create

AvamarBackupUser and configure the Avamar Cluster Client on both nodes in the cluster.
C. Install Avamar Windows client on both nodes Install the Avamar Exchange plug-in on the active node in the cluster.
D. Install the Avamar Windows client and Avamar Exchange plug-in on both nodes in the cluster. Configure the Avamar Cluster Client on both nodes in the cluster.
Answer: A