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Backup and Recovery - Avamar Specialist Exam for Storage Administrators

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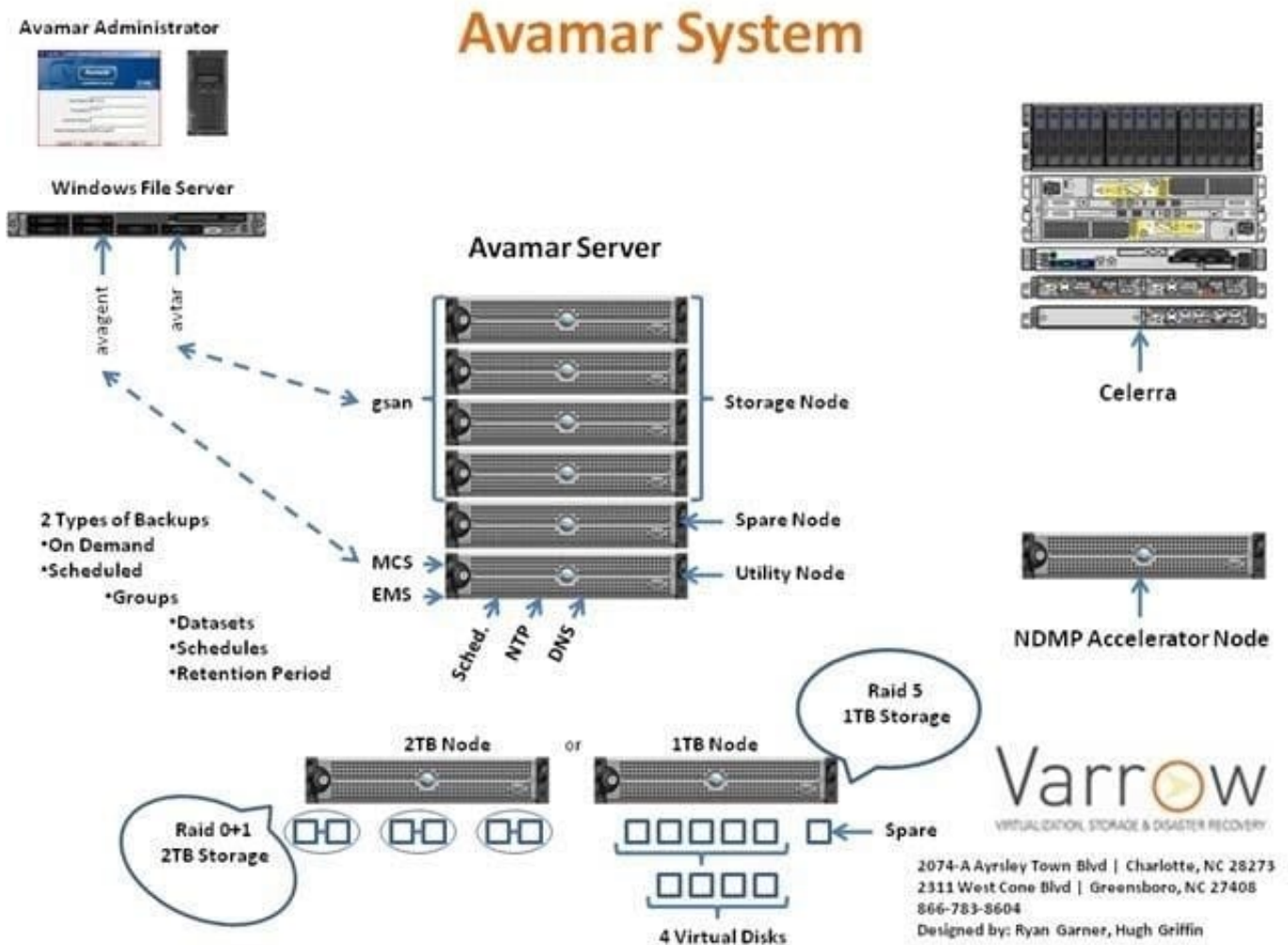Free Download Real Questions & Answers **PDF** and **VCE** file from:

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QUESTION 1

What are the three OS user accounts used by the EMC Avamar server for authentication?

A. root, dpn, replonly

B. admin, MCUser, repluser

C. root, MCUser, replonly

D. root, admin, dpn

Correct Answer: D

Table 2 Default user accounts

User account	Default password	Description
Avamar server Linux OS		
root	changeme	Linux OS root account on all Avamar nodes.
admin	changeme	Linux OS account for Avamar administrative user.
dpn	changeme	Linux OS account for Avamar maintenance user.
Avamar server software		
root	8RttoTriz	Avamar server software root user account.
Avamar Administrator		
MCUser	MCUser1	Default Avamar Administrator administrative user account.
backuponly	backuponly1	Account for internal use by the MCS.
restoreonly	restoreonly1	Account for internal use by the MCS.
backuprestore	backuprestore1	Account for internal use by the MCS.
replonly	9RttoTriz	Account for internal use by the MCS for replication.
MCS PostgreSQL database		
admin		No password, logged in on local node only.
viewuser	viewuser1	Administrator server database view account.
EMS PostgreSQL database		
admin		No password, logged in on local node only.
Proxy virtual machine Linux OS		
root	avam@r	Linux OS root account on all proxies deployed using the Avamar proxy appliance. This account is for internal use only.

QUESTION 2

Which Avamar Gen4 nodes can be used in multi-node configurations?

A. 1.3 TB, 3.9 TB

B. 2.6 TB, 3.9 TB

C. 2.6 TB, 7.8 TB

D. 3.9 TB, 7.8 TB

Correct Answer: D

QUESTION 3

Which four account management actions can be performed from the EMC Client Manager interface?

A. Move clients to a new server Retire clients Move clients to a new domain View management log

B. Move clients to a new domain Retire clients Modify client group associations Schedule backups

C. View management log Modify replication Retire clients Move clients to a new server

D. View management log Retire clients Delete clients Browse clients

Correct Answer: A

QUESTION 4

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

QUESTION 5

Definition of commonality

Avamar change rate is equivalent to the ModSent divided by TotalBytes:

ModSent / TotalBytes

The Avamar commonality equals 1 minus the change rate:

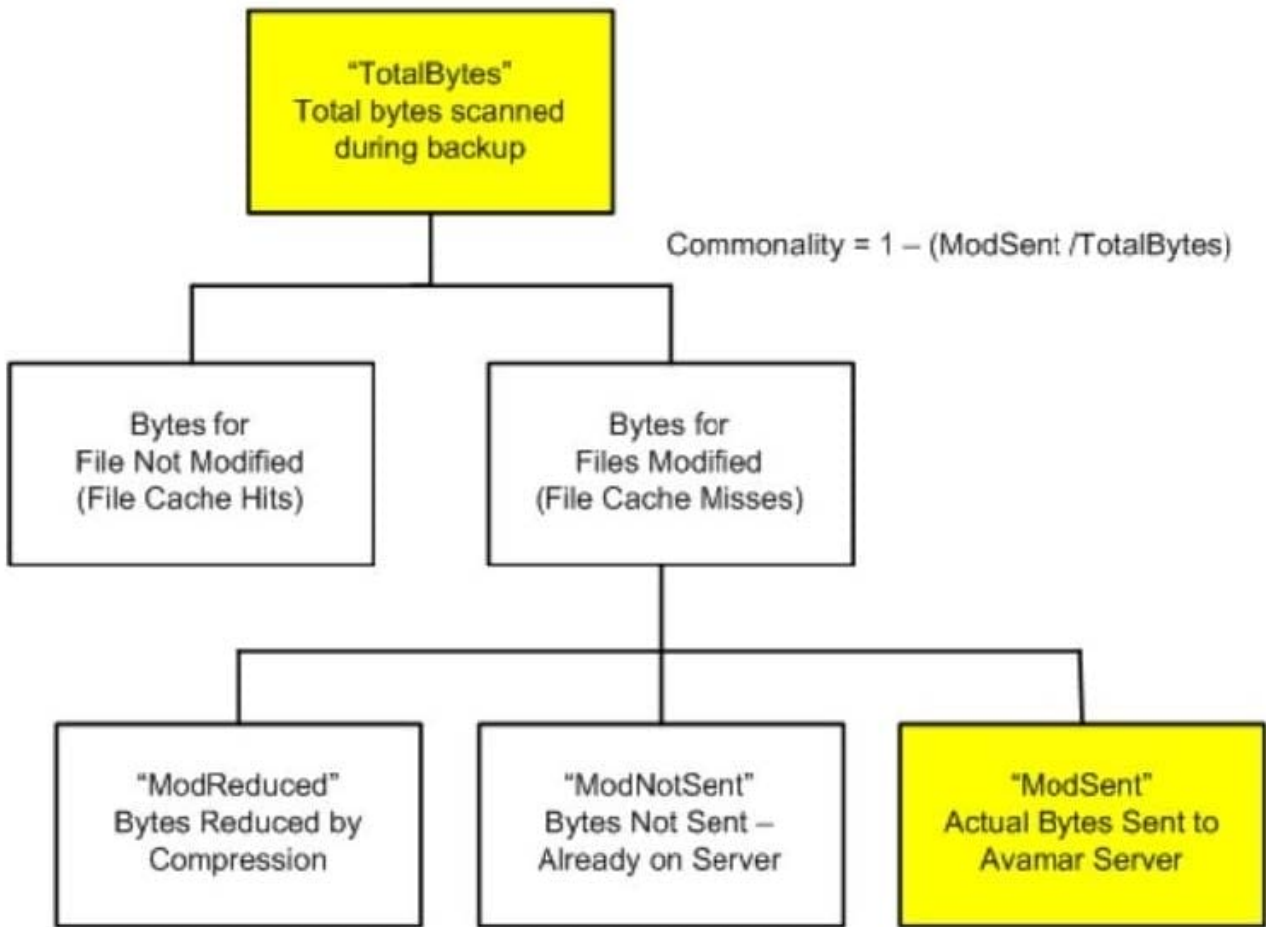Figure 5 on page 66 shows the relationship between these values.

Figure 5 Avamar commonality diagram

By default, what is a characteristic of Avamar ConnectEMC?

A. Sends Avamar alerts as they occur

B. Sends Avamar alerts twice daily

C. Sends reports twice daily

D. Sends reports as they are created

Correct Answer: A

QUESTION 6

What are the Avamar 6 install and upgrade rules for Gen1 through Gen4 node technology?

A. Gen4/3 can be installed new or upgraded. Gen2 can be upgraded only. Gen1 cannot be installed new or upgraded.

B. Gen4 can only be installed new. Gen3/2 can be installed new or upgraded. Gen1 cannot be installed new or

upgraded.

C. Gen4 can be installed new or upgraded. Gen3/2/1 can only be upgraded.

D. Gen4 can only be installed new. Gen3/2 can only be upgraded. Gen1 cannot be installed new or upgraded.

Correct Answer: A

QUESTION 7

In which directory are the EMC Avamar administrator logs located?

A. /usr/local/avamar/var/mc/server_log

B. /usr/local/avamar/var/log

C. /usr/local/avamar/etc

D. /data01/cur

Correct Answer: A

QUESTION 8

In an Avamar configuration, what can be backed up to an EMC Data Domain device?

A. Microsoft Exchange VSS and Oracle

B. NDMP and Microsoft Exchange

C. Informix and Oracle

D. Microsoft SQL Server and File System Data

Correct Answer: A

QUESTION 9

You need to install a multi-node EMC Avamar server. To which location should you copy the Avamar software file?

A. Utility node only

B. Utility node and active data nodes

C. Utility node, active data nodes, and spare node

D. Active data nodes only

Correct Answer: A

QUESTION 10

A file server-only environment is backing up data to a 1.0 TB EMC Avamar Virtual Edition server. On average, how much new backup data may be added per day to remain in a steady capacity state?

A. 2 GB

B. 4 GB

C. 6 GB

D. 8 GB

Correct Answer: B

Note: AVE does not support thin provisioning.

QUESTION 11

The **Avamar Administrator** is a graphical user interface (GUI) used manage an Avamar system from one or more Windows or Linux cli

Avamar uses a **PostgreSQL** database to store various kinds of data, restore activities, events, defined groups and clients. This informat reporting using third-party reporting tools such as Crystal Reports, Excel.

What does an HFS check do?

A. Validates the integrity of a checkpoint

B. Performs server checkpoint rollbacks

C. Performs a snapshot of an Avamar server

D. Checks for RAID controller errors

Correct Answer: A

Review Avamar Fundamentals free course on EMC

A **hash file system (HFS) check** is an operation that validates the i
Once a checkpoint has passed an HFS check, it can be considered
for a system rollback.

Avamar Fundamentals   MR-1WN-AVAM

Abstract: This EMC Education Services course provides participants with an introduction to EMC Avamar. It
includes an overview of Avamar terminology, features, and components, including Avamar backup and
restore functions. The course reviews Avamar tools for monitoring and maintaining an Avamar system.
Price: USD $0.00
Training Units:0

eLearning (01:30 Hr)
Course Description

https://learning.emc.com/Saba/Web/Customer

EMC Avamar Overview (00350601)

This EMC Education Services course provides participants with an introduction to EMC
Avamar. It includes an overview of Avamar terminology, features, and components, including
Avamar backup and res ...

Offered As: eLearning   Price: 0.00 USD

Language: English

Duration: 01:30

Register | Add to Plan | Request Private Offering | Request Public Offering

QUESTION 12

What is a characteristic of an EMC AVE?

A. Storage can be provisioned from a DAS

B. Storage can be provisioned only from a SAN

C. VMware VMotion is not supported on an AVE server

D. Raw Device mapping is supported for an AVE server

Correct Answer: A

Avamar Virtual Edition (AVE) for VMware
Avamar server software deployed as a virtual appliance

- Industry's first deduplication virtu...
  backup, recovery, and disaster r...
- Leverages existing servers and
  - Can utilize existing iSCSI, SAN or [
- Replication (of applications and
  eliminates shipping tapes
  - Replicate between virtual Avamar s
    Avamar servers
- Facilitates rapid, cost-effective d
  return on investment
- Supports VMotion for deploymer
- Up to two Avamar Virtual Editior
  appliances per ESX server for s

QUESTION 13

A backup administrator is performing a disaster recovery for a Windows Server 2008 system. However, the Avamar Disaster Recovery Wizard is unable to perform the recovery. What is a possible reason for this?

A. Windows 2008 OS software has not been installed on the replacement hardware

B. The Avamar Disaster Recovery Wizard does not support Windows 2008

C. A backup using the Windows VSS plug-in and the full file system was not performed

D. A backup using the Avamar Server Restore Option was not performed

Correct Answer: B

While performing the backup of system state using Windows VSS plugin choose the option "Create Disaster Recovery Backup", this option will allow you to perform restore of the system using "Avamar disaster Recovery Wizard" https://community.emc.com/thread/114519

QUESTION 14

By default, how many simultaneous client connections are supported by an EMC Avamar Virtual Edition server?

A. 8

B. 27

C. 35

D. 72

Correct Answer: A

Avamar Desktop/Laptop environments include more clients than traditional Avamar systems. The Avamar Administrator server allows a maximum of 72 concurrent backup connections for each active storage node. The Avamar server reserves one connection for restores.

The total number of client connections which can be made to the Avamar server will vary according to which operations are currently running, how the connection is made and the number of data nodes which are online.

Various parameters in the /usr/local/avamar/var/mc/server_data/prefs/mcserver.xml file govern this behavior.

The number of concurrent jobs for the whole grid will not exceed max_current_jobs.

Notes
  A job is considered to be either a backup or a restore session.

  Replication source session counts as a restore.

  A single node or AVE system can be considered to have one data node.

  • These values are defined by the MCS and altering them can have a negative impact on the performance of the Avamar system. The values are not cor
    by EMC Engineering
  • Backup sessions are initiated by avtar commands bypass the MCS and will therefore not obey the limitations defined above

AVE 7 is#

```
</node>
<node name="wo">
  <map>
    <entry key="use priority aging" value="true" />
    <entry key="enforce max backup label len" value="true" />
    <entry key="adhoc snapup retry limit" value="3" />
    <entry key="no work response sec" value="60" />
    <entry key="use backup window priority" value="false" />
    <entry key="dynamic sleep" value="true" />
    <entry key="emit cacheprefix for datasets" value="false" />
    <entry key="backup window increment" value="2" />
    <entry key="completed job retention hours" value="72" />
    <entry key="replicator no work sleep" value="15" />
    <entry key="userinfo fetch enable" value="true" />
    <entry key="pageable no work response sec" value="240" />
    <entry key="max completed job entries" value="5000" />
    <entry key="backup window num periods" value="3" />
    <entry key="use client mcsaddr as hfsaddr" value="true" />
    <entry key="percent of gsan maxconn" value="75" />
    <entry key="green list update sec" value="30" />
    <entry key="enforce backup window" value="true" />
    <entry key="enforce backup end time" value="true" />
    <entry key="priority aging delay sec" value="60" />
    <entry key="vcb proxy no work sleep" value="15" />
    <entry key="proxyDirectivesXslFile" value="lib/proxyDirectives.xslt" />
    <entry key="no progress timeout min" value="15" />
    <entry key="sched snapup retry limit" value="3" />
    <entry key="percent of max concurrent jobs hfscheck" value="10" />
    <entry key="percent of max concurrent jobs" value="90" />
    <entry key="max green list iter" value="5" />
    <entry key="cancel normal window min" value="5" />
    <entry key="cancel extended window min" value="15" />
    <entry key="max concurrent jobs" value="500" />
  </map>
</node>
```

Multiple Avamar proxies can be deployed across a virtual infrastructure to optimize the s efficiency of data protection. Irrespective of the number of proxies, they all share a single data that is synchronized across proxies and the Avamar server. These virtual applia deployed from a packaged OVA file in a matter of minutes, and can be deployed at strategic or on each hypervisor node in the cluster to reduce the amount of IO and data transmissio virtual infrastructure. Each proxy in an Avamar infrastructure can handle 8 simultaneous with up to 48 proxies simultaneously executing backups under the management of a singl Server (384 concurrent backups). Backups and restores are automatically load-balance multiple Avamar proxies within the virtual infrastructure ensuring that simultaneous l maximized. In other words, a VM backup workload will be assigned to a non-busy proxy an the cluster. Given the high speed and minimal data transmission of Avamar backup, this possible to capture backups for many thousands of virtual machines within a single infrastructure managed by a single Avamar server (or Redundant Array of Independent Nod

```
<map>
  <entry key="use priority aging" value="true" />
  <entry key="enforce max backup label len" value="true" />
  <entry key="adhoc snapup retry limit" value="3" />
  <entry key="no work response sec" value="60" />
  <entry key="use backup window priority" value="false" />
  <entry key="dynamic sleep" value="true" />
  <entry key="backup window increment" value="2" />
  <entry key="emit cacheprefix for datasets" value="false" />
  <entry key="completed job retention hours" value="72" />
  <entry key="pageable no work response sec" value="240" />
  <entry key="max completed job entries" value="5000" />
  <entry key="backup window num periods" value="3" />
  <entry key="max jobs per node" value="30" />
  <entry key="green list update sec" value="30" />
  <entry key="enforce backup window" value="true" />
  <entry key="enforce backup end time" value="true" />
  <entry key="priority aging delay sec" value="60" />
  <entry key="vcb proxy no work sleep" value="15" />
  <entry key="proxyDirectivesXslFile" value="lib/proxyDirectives.xslt" />
  <entry key="no progress timeout min" value="15" />
  <entry key="sched snapup retry limit" value="3" />
  <entry key="percent of max concurrent jobs hfscheck" value="10" />
  <entry key="percent of max concurrent jobs" value="90" />
  <entry key="max green list iter" value="5" />
  <entry key="cancel normal window min" value="5" />
  <entry key="cancel extended window min" value="15" />
  <entry key="max concurrent jobs" value="480" />
</map>
```

Assisted Ref# https://emc--c.na5.visual.force.com/apex/KB_HowTo?id=kA0700000004Nlp

QUESTION 15

What is a consideration for using the Configuration section within EMC Backup and Recovery Manager?

A. Only 1:1 fan in replication should be configured

B. Only 1:1 fan out replication should be configured

C. Only server versions before 7.0 should be configured

D. Only server versions 7.0 and up can be configured

Correct Answer: B

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