VEEAM VMCE_v12 Practice Questions

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Question 1

Question Type: MultipleChoice

A physical Linux server protected by a centrally managed Veeam agent is physically damaged. A VMware vSphere infrastructure is available, and the physical server is eligible for virtualization. Which recovery step provides the lowest possible RTO?

Options:

A- Use Instant VM Recovery to VMware
B- Use Export Disk Content as Virtual Disk to create a new VM.
C- Use Bare Metal Restore to VMware vSphere VM.
D- Use Instant Disk Recovery to VMware vSphere.

Answer:

A

Explanation:

Instant VM Recovery to VMware offers the lowest possible RTO for restoring a physically damaged Linux server to a VMware vSphere infrastructure. This feature rapidly restores service by running the server directly from the backup file in a VMware environment. Reference: Veeam Backup & Replication User Guide, Veeam Agent for Linux Guide

Question 2

Question Type: MultipleChoice

In the war against ransomware, a company decided to implement tape backup. The infrastructure contains Hyper-V VMs. What is the correct approach to getting all servers onto tape?

Options:

A- Create media pools, then create file to tape jobs.
B- Create media sets, then create backup to tape jobs.
C- Create media sets, then create file to tape jobs.
D- Create media pools, then create backup to tape jobs.

Answer:

D

Explanation:

The correct approach for backing up Hyper-V VMs to tape in a ransomware protection strategy is to create media pools first and then configure backup to tape jobs. This method ensures organized and efficient tape management while securing VM backups on tape media. Reference: Veeam Backup & Replication User Guide, Veeam Tape Backup Configuration Guide

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Question 3

Question Type: MultipleChoice

A Windows Server using the ReFS filesystem has been used as a standalone Veeam repository for several years and is due for replacement. A new Windows server using the ReFS filesystem has been created to replace the old server, with twice the capacity. Backup files need to be transferred to the new server with no disruptions to the existing backup chains.

The Veeam engineer has begun to move backup files to the new repository but is now getting alerts that it is running out of space.

How could the engineer have avoided this issue?

Options:

A- Use a Backup Copy Job
B- Use the 'Copy backup...' function
C- Use the 'Move backup...' function
D- Use Robocopy with the /compress switch

Answer:

C

Explanation:

To avoid running out of space when moving backups to a new repository, the 'Move backup...' function in Veeam Backup & Replication should be used. This function allows you to relocate

backup files to a new repository without duplicating data, which can save space. Unlike a simple copy action, the move function ensures that the backup chain remains intact and does not require additional space for a copy of the backups during the transfer. When the move is initiated, Veeam will also automatically update the configuration to point to the new backup location, thus preventing any disruptions in the backup chain.

Question 4

Question Type: MultipleChoice

An engineer needs to make sure that a backup job includes both the virtual machine's disk files and the Microsoft SQL database transaction logs.

Which backup feature in Veeam Backup and Replication should be used?

Options:

A- Guest file system indexing
B- Crash consistent mode
C- App consistent mode
D- Application-aware processing

Answer:

D

Explanation:

To ensure that a backup job includes both the virtual machine's disk files and the Microsoft SQL database transaction logs, Application-aware processing should be used. This feature enables Veeam Backup & Replication to create transactionally consistent backups of VMs running VSS-aware applications like Microsoft SQL Server, ensuring that both the VM disks and the SQL transaction logs are properly backed up. Reference: Veeam Backup & Replication User Guide, Veeam Application-Aware Processing Guide

Question 5

Question Type: MultipleChoice

For Veeam agent backup jobs, what feature is only available with Veeam Agent for Microsoft Windows?

Options:

A- Application-aware processing of
B- Backup from storage snapshots
C- Volume backup
D- File-level backup

Answer:

A

Explanation:

Application-aware processing is a feature exclusive to Veeam Agent for Microsoft Windows. It allows for the creation of consistent backups of Windows-based applications and ensures that databases and applications like Microsoft Active Directory, SQL Server, Exchange, and SharePoint are quiesced and in a consistent state when being backed up. Reference:

Veeam Agent for Microsoft Windows User Guide: Application-Aware Processing

Veeam Help Center: Application-Aware Processing in Veeam Agent for Windows

Question 6

Question Type: MultipleChoice

An administrator needs to configure a backup job that dynamically adds new VMware hosted SQL servers. How can this be accomplished?

Options:

A- Create a job based on vSphere tags.
B- Enable application aware processing.
C- Create a CSV file that is scanned before the backup job starts.
D- Create a dynamic backup job in Enterprise Manager.

Answer:

A

Explanation:

Creating a backup job based on vSphere tags allows for dynamic addition of new VMware hosted SQL servers. When new VMs are tagged appropriately in vSphere, they are automatically included in the backup job, ensuring all relevant SQL servers are backed up without manual intervention. Reference: Veeam Backup & Replication User Guide, Veeam Dynamic Backup Job Configuration Guide

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Question 7

Question Type: MultipleChoice

In the war against ransomware, a company decided to implement tape backup. The infrastructure contains VMware VMs and physical Windows servers. What is the most efficient approach to getting all servers onto tape?

Options:

A- Create file to tape jobs and write directly to tape.
B- Create backup jobs, then create file to tape jobs.
C- Create backup to tape jobs and write directly to tape.
D- Create backup jobs, then create backup to tape jobs.

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Answer:

D

Explanation:

The most efficient approach to getting all servers onto tape, considering there are both VMware VMs and physical Windows servers in the infrastructure, is to first create backup jobs that target both the VMs and the physical servers. After these backups are stored on a disk-based repository, you can then create backup to tape jobs. This method leverages Veeam's ability to handle both types of environments and ensures that all data is efficiently backed up to tape for offsite storage and ransomware protection. Reference:

Veeam Backup & Replication User Guide: Tape Device Support

Veeam Best Practices: Configuring Tape Jobs

Question 8

Question Type: MultipleChoice

A Microsoft SQL server is running in a VMware VM. The VM is very sensitive to snapshots, and can only be snapshotted once per day at 3 AM. However, the RPO for the databases running inside the VM is 1 hour.

Which two Application-Aware Processing Settings should be selected in the backup job so that the 1 hour RPO for the databases is met? (Choose two.)

Options:

A- SQL Tab: Choose how this job should process Microsoft SQL Server Transaction Logs: Back up logs periodically
B- SQL Tab: Choose how this job should process Microsoft SQL Server Transaction Logs: Do not truncate logs
C- General Tab: VSS Settings: Perform copy only
D- SQL Tab: Choose how this job should process Microsoft SQL Server Transaction Logs: Truncate Logs
E- General Tab: VSS Settings: Process transaction logs with this job

Answer:

A, E

Explanation:

To meet the 1-hour RPO for the databases within the VM, while only being able to snapshot the VM once per day, the best strategy is to enable regular transaction log backups (option A) and process transaction logs with the job (option E). This setup allows the system to capture changes in the SQL Server transaction logs at intervals less than the RPO requirement, without needing to snapshot the entire VM more frequently. Reference: Veeam Backup & Replication Documentation, Veeam Backup & Replication Best Practices Guide

Question 9

Question Type: MultipleChoice

An engineer has used a Linux Hardened Repository as the backup repository. The immutability period is set to 60 days.

The backup settings are:

Retention Policy: 14 days

GFS Weekly full backup: 1 week

GFS Monthly full backup: 6 months

If a full backup is created on 27th May 2023 with a monthly GFS flag, when will this restore point be automatically deleted?

Options:

A- 2V June 2023
B- 28th July 2023
C- 28th November 2023
D- 5th August 2023

Answer:

C

Explanation:

The immutability period set on a Linux Hardened Repository prevents deletion of backup files for the duration of the immutability period. In this case, it is set to 60 days. However, the GFS (Grandfather-Father-Son) retention policy specifies that a monthly full backup is to be kept for 6 months. Since the full backup was created on 27th May 2023 and flagged as a monthly GFS backup, it will be retained for 6 months irrespective of the retention policy or the immutability setting. Hence, the restore point will be automatically deleted after 6 months, which would be on the 28th of November 2023. Reference:

Veeam Backup & Replication User Guide: GFS Retention Policy

Veeam Help Center: Linux Hardened Repository Immutability

Question 10

Question Type: MultipleChoice

A company needs to ensure that, during a disaster, a group of VMs starts in a certain order with time delays between starting each VM. How can this be accomplished?

Options:

A- Perform a planned failover.
B- Create a failover plan.
C- Create a failover template file for the group of VMs.
D- Create a replica chain in the Veeam Backup & Replication console.

Answer:

B

Explanation:

To ensure that a group of VMs starts in a specific order with time delays during a disaster scenario, the solution is B: Create a failover plan. A failover plan in Veeam Backup & Replication is a feature designed to manage the startup sequence of VMs within a DR site. The failover plan can be customized to specify the order in which VMs should start and to include necessary delays between the startups of each VM. This is especially useful for multi-tier applications where the order of startup is essential for the application stack to become fully operational. By using a failover plan, companies can control the recovery process, ensuring that VMs are brought online in an orderly and coordinated fashion that respects their interdependencies.

Question 11

Question Type: MultipleChoice

A Veeam administrator is creating a protection group that needs to back up all servers for the accounting department using Veeam Agent for Microsoft Windows. New accounting servers must be automatically added to the protection group. How is this accomplished?

Options:

A- Create an Active Directory based protection group targeted at an Active Directory security group.
B- Install a configuration file on each of the accounting servers that adds it to the protection group.

C- Create a protection group and set it to automatically scan every three hours for new servers.
D- Create a protection group that reads a CSV file listing the accounting servers.

Answer:

A

Explanation:

To ensure that all servers for the accounting department are backed up and any new servers added to the department are automatically included in the protection group, the best approach is to use an Active Directory (AD) based protection group. Therefore, the correct answer is A: Create an Active Directory based protection group targeted at an Active Directory security group.

By leveraging an AD-based protection group, the Veeam administrator can specify an AD security group that encompasses all user accounts or computer accounts (in this case, servers) associated with the accounting department. As new servers are introduced and added to this AD security group, Veeam Backup & Replication will automatically detect these new members during its periodic rescan (which can be scheduled as per the administrator's preferences) and include them in the protection group. This method not only automates the inclusion of new servers into the backup routine but also simplifies the management of backup policies for dynamically changing environments such as the accounting department's server infrastructure.

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