

VEEAM

Exam Questions VMCE_v12

Veeam Certified Engineer v12



NEW QUESTION 1

A 3-node Microsoft SQL Always On cluster is running in a VMware environment. The RPOs are:

- 1 day for the cluster nodes
- 15 minutes for the log files

How should the cluster be backed up?

- A. Veeam Backup and Replication - Create a VMware backup job, include the 3 nodes of the cluster
- B. Use Application-Aware Processing to back up the transaction logs every 15 minutes.
- C. Veeam Agent for Windows - Create a managed by server backup job for all 3 nodes
- D. Use Application-Aware Processing to back up the database once a day.
- E. Veeam Agent for Windows - Create a managed by agent backup policy for all 3 nodes
- F. Use a log shipping server to back up the transaction logs every 15 minutes.
- G. Veeam Enterprise Plug-in for Microsoft SQL - Install the Plug-in on each node in the cluster
- H. Use Microsoft SQL Server Management Studio to create the backups.

Answer: A

Explanation:

For backing up a 3-node Microsoft SQL Always On cluster running in a VMware environment with the specified Recovery Point Objectives (RPOs), the most suitable option is A: Veeam Backup and Replication - Create a VMware backup job, include the 3 nodes of the cluster. Use Application-Aware Processing to back up the transaction logs every 15 minutes. This approach allows for the entire SQL cluster nodes to be backed up as part of a regular VM backup job, which satisfies the 1-day RPO for the cluster nodes. The Application-Aware Processing feature of Veeam Backup & Replication ensures that the SQL databases are in a consistent state during backup. Moreover, this feature allows for the transaction logs to be backed up separately at a more frequent interval, in this case, every 15 minutes, meeting the 15-minute RPO requirement for the log files. This dual approach ensures comprehensive protection for both the SQL cluster nodes and the critical transaction logs, aligning with the specified RPOs.

NEW QUESTION 2

Management asks a backup administrator to deploy the Veeam Agent on a number of Amazon EC2 instances running Windows and Linux operating systems. A Veeam Protection Group is also required by management. The Veeam Distribution Server does not have network access to these instances.

What protection group type should be used to select these objects?

- A. Individual computers
- B. Microsoft Active Directory objects
- C. Computers listed in a CSV file
- D. Cloud machines

Answer: D

Explanation:

For deploying the Veeam Agent on Amazon EC2 instances running Windows and Linux operating systems without direct network access from the Veeam Distribution Server, the appropriate type of Protection Group to use is D: Cloud machines. The "Cloud machines" protection group type in Veeam Backup & Replication is specifically designed for protecting cloud-based workloads, including instances in public cloud environments like Amazon EC2. This protection group type allows the Veeam Agent to be deployed and managed remotely, even when the Veeam Distribution Server cannot directly access the instances over the network. It facilitates centralized management of backup tasks for cloud instances, ensuring that the EC2 instances are adequately protected as per management's request, despite the network accessibility constraints.

NEW QUESTION 3

What does Veeam's Secure Restore functionality ensure during restores?

- A. Proper rights/permissions on files and folders
- B. Custom ports for in-flight data
- C. 256-bit AES encryption of in-flight data
- D. Anti-virus scanning

Answer: D

Explanation:

Veeam's Secure Restore functionality is designed to provide an additional layer of security during the restore process, particularly to ensure that restored data is free from malware. The correct answer is D: Anti-virus scanning. Secure Restore integrates with antivirus software to scan the data being restored for malware, viruses, or other threats before it is brought back into the production environment. This capability is crucial in today's landscape, where data integrity and security are paramount, especially considering the increasing sophistication of cyber threats. By ensuring that restored data is scanned for threats, Veeam helps maintain the integrity and security of the IT environment, aligning with best practices for data protection and disaster recovery.

NEW QUESTION 4

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?

- 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.

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. References:

- ? Veeam Backup & Replication User Guide: Tape Device Support
- ? Veeam Best Practices: Configuring Tape Jobs

NEW QUESTION 5

It is required that some replicated VMs start on a time delay during a failover. How can this be accomplished?

- A. Create a failover plan.
- B. Adjust boot delay in application group.
- C. Use a pre-freeze/post-thaw script.
- D. Modify the failover template file.

Answer: A

Explanation:

A failover plan in Veeam Backup & Replication allows you to define the order in which VMs are started during a failover operation. It can include startup delays for certain VMs, ensuring that some VMs can be configured to start after a defined time delay. This meets the requirement of having some replicated VMs start on a time delay. References:

- ? Veeam Backup & Replication User Guide: Failover Plans
- ? Veeam Help Center: Creating Failover Plans

NEW QUESTION 6

A company wants to ensure that, during a replication failover, database servers boot before the application servers. How can this be accomplished?

- A. Create a failover plan
- B. Create a disaster recovery template
- C. Create a replica mapping
- D. Create a planned failover

Answer: A

Explanation:

Veeam Backup & Replication allows you to set up failover plans to control the order in which VMs are started during a failover. By creating a failover plan, you can specify that the database servers boot before the application servers. This is achieved by setting up VM dependencies within the failover plan, ensuring that the database servers (which are critical for the application servers to function) are operational before the application servers start. Creating a disaster recovery template (B), creating a replica mapping (C), or initiating a planned failover (D) does not directly address the boot order of the servers during failover.

NEW QUESTION 7

A customer has a physical windows server running Microsoft SQL 2020. Which component should be used to protect the whole server?

- A. Veeam Agent
- B. Veeam Plug-in for Enterprise Application
- C. Veeam Backup Proxy
- D. Cache Repository

Answer: A

Explanation:

To protect a physical Windows server running Microsoft SQL 2020, the Veeam Agent should be used. Veeam Agent is designed to provide comprehensive backup and recovery for physical servers, including those running critical applications like Microsoft SQL Server. References: Veeam Agent for Windows User Guide, Veeam Physical Server Backup Guide

NEW QUESTION 8

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?

- 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.

NEW QUESTION 9

Which two public cloud infrastructures can be backed up without an agent? (Choose two.)

- A. AWS
- B. Tencent Cloud
- C. Alibaba Cloud

- D. Oracle VM Virtualbox
 E. Microsoft Azure

Answer: AE

Explanation:

Veeam provides agentless backup solutions for several public cloud infrastructures, among which AWS (Amazon Web Services) and Microsoft Azure are the prominent platforms supported. Thus, the correct answers are A: AWS and E: Microsoft Azure.

? For AWS, Veeam offers Veeam Backup for AWS, an agentless solution designed to protect AWS workloads by leveraging native AWS technologies. This solution allows for the backup and recovery of AWS EC2 instances without the need for agents inside the instances, providing efficient and flexible cloud-native data protection.

? In the case of Microsoft Azure, Veeam Backup for Microsoft Azure provides a similar agentless data protection capability, allowing for the backup and recovery of Azure VMs. This solution also utilizes native Azure technologies to facilitate seamless integration and management of backups within the Azure ecosystem.

These solutions are designed to provide comprehensive data protection for cloud workloads, simplifying management while ensuring robust backup and recovery capabilities in these public cloud environments.

NEW QUESTION 10

What happens if there are more than five unsuccessful attempts to enter the confirmation code during MFA login?

- A. The user is permanently locked out.
 B. The user is locked out for 24 hours.
 C. The user is locked out for 1 minute.
 D. The user is locked out for 1 hour.

Answer: B

Explanation:

In Veeam Backup & Replication, if there are multiple unsuccessful attempts to enter a confirmation code for Multi-Factor Authentication (MFA), the system will lock the user account to prevent unauthorized access. Based on standard security practices, and while it may vary, a lockout for 24 hours after exceeding the maximum number of failed attempts is a common approach to protect against brute force attacks. Please note that specific lockout policies can vary by system configuration and the policies set by the system administrator. It's always best to consult the actual system settings or documentation for the precise behavior in a given environment.

NEW QUESTION 10

An administrator is asked to change a backup copy job from periodic mode to immediate mode. How can this be accomplished?

- A. Modify the job settings on the proxy performing the copy job.
 B. Enable immediate mode on the repository.
 C. Edit the original job and select immediate copy mode from the job settings.
 D. Create a new copy job and delete the original job.

Answer: C

Explanation:

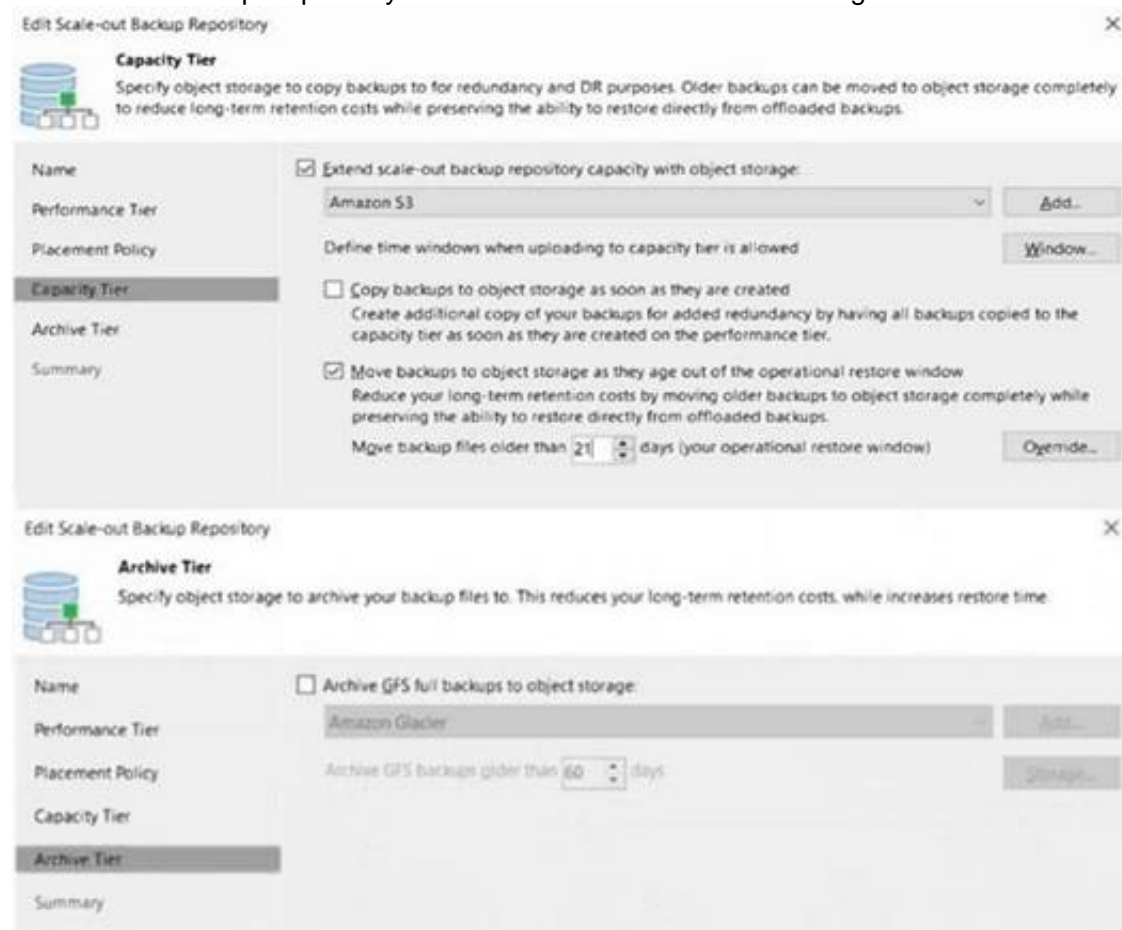
To change a backup copy job from periodic mode to immediate mode, an administrator can edit the original backup copy job and select the immediate copy mode from within the job settings. This change ensures that backup copy jobs are started immediately after the source backup job completes, rather than waiting for a defined copy interval. References:

? Veeam Backup & Replication User Guide: Backup Copy Job

? Veeam Help Center: Backup Copy Job Modes

NEW QUESTION 14

A Scale-out Backup Repository with one local extent has been configured as follows.



Edit Scale-out Backup Repository

Capacity Tier
 Specify object storage to copy backups to for redundancy and DR purposes. Older backups can be moved to object storage completely to reduce long-term retention costs while preserving the ability to restore directly from offloaded backups.

☒ Extend scale-out backup repository capacity with object storage:
 Amazon S3 [Add...]
 Define time windows when uploading to capacity tier is allowed [Window...]
☐ Copy backups to object storage as soon as they are created
 Create additional copy of your backups for added redundancy by having all backups copied to the capacity tier as soon as they are created on the performance tier.
☒ Move backups to object storage as they age out of the operational restore window
 Reduce your long-term retention costs by moving older backups to object storage completely while preserving the ability to restore directly from offloaded backups.
 Move backup files older than 21 days (your operational restore window) [Override...]

Edit Scale-out Backup Repository

Archive Tier
 Specify object storage to archive your backup files to. This reduces your long-term retention costs, while increases restore time.

☐ Archive GFS full backups to object storage:
 Amazon Glacier [Add...]
 Archive GFS backups older than 60 days [Override...]

A daily VMware backup job retention is 31 days, keeping weekly GFS full backups for 14 weeks. It is Mar, 20. A file from a backup that occurred the week of Jan, 1 must be recovered. Where is the data?

- A. The performance tier
- B. The data is no longer in the Scale-out Backup Repository
- C. The capacity tier
- D. The archive tier

Answer: C

Explanation:

Based on the configuration shown in the image, backups older than 21 days are moved to the capacity tier. Since the VMware backup job retention is set for 31 days and keeps weekly GFS full backups for 14 weeks, the backup from the week of January 1st is older than 21 days but within the 14-week GFS retention policy. Therefore, as of March 20, the backup data you need to recover would be in the capacity tier, not on the local performance tier, because it has been offloaded to the object storage configured as the capacity tier to reduce long-term retention costs.

References: Veeam Backup & Replication Documentation, Scale-Out Backup Repository Configuration Guide

NEW QUESTION 16

What should be implemented when backing up NAS file shares to ensure there is more than one copy of the data?

- A. Archive repository
- B. Secondary copy
- C. Backup repository
- D. Cache repository

Answer: B

Explanation:

When backing up NAS file shares, it's essential to ensure that more than one copy of the data exists to adhere to best practices for data protection, often referred to as the 3-2-1 Rule (3 total copies of your data, 2 of which are local but on different devices, and at least 1 copy offsite). Implementing a secondary copy of the data provides this additional layer of redundancy. In Veeam, this can be achieved by creating backup copy jobs, which ensure that there is a secondary copy of the data, possibly stored in a different location. This is not to be confused with the simple use of backup repositories, which are storage locations for primary backups, or with cache/archive repositories which serve different purposes in the backup process.

NEW QUESTION 17

An infrastructure with 50 VMs has a power outage. After the VMware cluster has booted up again, 10 large VMs are orphaned. However, all VM disk files are still on the datastores. What is the quickest way to bring back those VMs with the least possible data loss?

- A. Remove the existing VM disk files from the datastore and perform Instant VM Recovery
- B. Perform Instant VM Recovery with quick rollback with automatic Power On VM at the end.
- C. Perform Restore VM Files and only restore the VM configuration files.
- D. Use the "Restore guest files" option to restore the VM configuration files.

Answer: C

Explanation:

In a situation where VMs are orphaned after a power outage but their disk files remain intact on the datastores, the most efficient way to restore these VMs with minimal data loss is C: Perform Restore VM Files and only restore the VM configuration files. This approach involves using Veeam Backup & Replication to restore only the necessary VMX files (for VMware) or equivalent configuration files for other hypervisors, which contain the settings and configuration of the VMs. Since the disk files are still present and intact on the datastores, restoring the configuration files allows the VMs to be re-registered with the hypervisor and brought back online quickly, without the need to transfer or restore the entire VM disk files, thus minimizing downtime and data loss.

NEW QUESTION 22

Which two environments can Veeam Agents back up? (Choose two.)

- A. FreeBSD
- B. Ubuntu
- C. IBM iSeries
- D. iOS
- E. Windows Server

Answer: BE

Explanation:

Veeam Agents are designed to provide backup solutions for physical and cloud environments. They support various operating systems, including Ubuntu (a Linux-based OS) and Windows Server. These agents ensure that data on servers running these operating systems can be effectively backed up and restored. However, Veeam Agents do not support FreeBSD, IBM iSeries, or iOS as these platforms require different backup solutions or are not typically used in environments where Veeam operates.

References:

? Veeam Agents User Guide

? Veeam Help Center: Supported Environments

NEW QUESTION 23

A Veeam proxy server is configured as follows. No modifications are allowed to the transport mode.

When performing a restore of a VMware virtual disk using this proxy server, the restore fails. What is a possible cause?



- A. CBT is enabled on the virtual disk.
- B. CBT is disabled on the virtual disk.
- C. The virtual disk is thin-provisioned.
- D. The virtual disk is thick-provisioned

Answer: C

Explanation:

Given the provided transport modes and the fact that no modifications are allowed to these settings, a possible cause for the restore of a VMware virtual disk to fail using this proxy server is C: The virtual disk is thin-provisioned. In the transport modes shown, the Direct storage access and Virtual appliance options would require the VM disk files to be accessible in a certain way that might not be compatible with thin-provisioned disks depending on the storage configuration and the current state of the VM. If the storage integration specifics or the snapshot handling do not support the thin-provisioned format, the restore operation could fail. It's important to ensure that the transport mode selected is compatible with the type of virtual disk being restored to prevent such issues.

NEW QUESTION 26

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?

- 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. References: Veeam Backup & Replication User Guide, Veeam Agent for Linux Guide

NEW QUESTION 28

An administrator is asked to change a backup copy job from periodic mode to immediate mode. How can this be accomplished?

- A. Enable immediate in the backup copy job settings drop down.
- B. Right click on the job name and choose immediate.
- C. Copy the original backup copy job to a different folder and remap the job.
- D. Create a new backup copy job and delete the original job.

Answer: D

Explanation:

To change a backup copy job from periodic mode to immediate mode, the most straightforward approach is D: Create a new backup copy job and delete the original job. Veeam Backup & Replication does not directly allow changing the mode of an existing backup copy job from periodic to immediate within the job settings. Therefore, the recommended practice is to set up a new backup copy job with the desired settings, in this case, immediate mode, which starts copying backups as soon as they are created by the primary backup job. After the new backup copy job is configured and tested to confirm it meets the requirements, the original periodic mode job can be safely deleted. This ensures a seamless transition to the immediate mode operation without risking data protection consistency or coverage.

NEW QUESTION 33

An environment is using Veeam Agent for Microsoft Windows and has Microsoft Exchange 2016 with regular database availability groups (DAGs) configured. What option is required to properly back up the databases?

- A. Standalone server
- B. Advanced Exchange Backup
- C. Exchange Processing
- D. Failover Cluster

Answer: D

Explanation:

The procedure of adding a Microsoft Exchange Database Availability Group (DAG) to a Veeam Agent backup job differs depending on the type of the DAG that you want to process: For a regular DAG, the backup job configuration procedure is the same as for any failover cluster. To process a regular DAG, you must configure a Veeam Agent backup job for a failover cluster https://helpcenter.veeam.com/docs/backup/agents/dag_hiw.html?ver=120

NEW QUESTION 36

A backup administrator decided to move the Veeam Backup & Replication server and configuration database to new servers. Which configuration restore mode should be used?

- A. Restore
- B. Planned failover
- C. Failover plan
- D. Migrate

Answer: A

Explanation:

When moving the Veeam Backup & Replication server and its configuration database to new hardware or servers, the appropriate process to undertake is a configuration restore, denoted by option A: Restore. This process involves using the Veeam Backup & Replication Configuration Backup utility, which regularly backs up the configuration of the Veeam Backup & Replication server. In the event of a hardware migration or significant system change, this utility allows administrators to restore the server's configuration, including all settings, job configurations, and inventory, onto the new server setup. This ensures a seamless transition with minimal disruption to the backup operations and policies that were previously in place.

NEW QUESTION 41

What is a Recovery Point Objective (RPO) in regards to disaster recovery?

- A. The number of recovery points created during the backup process
- B. The acceptable data loss measured in time that can be tolerated
- C. The maximum amount of time it takes to restore a system
- D. The total cost associated with recovering a system

Answer: B

Explanation:

In the context of disaster recovery, the Recovery Point Objective (RPO) is best defined by option B: The acceptable data loss measured in time that can be tolerated. RPO is a critical metric in disaster recovery and business continuity planning that specifies the maximum amount of data (measured in time) that an organization can afford to lose in the event of a disaster or system failure. It effectively sets the limit for how frequently data backups or replications should occur. For instance, an RPO of 4 hours means that the organization must be able to recover data from no more than 4 hours prior to the disaster, implying that backup or replication operations should occur at least every 4 hours. Establishing an RPO is essential for developing an effective data protection strategy, as it guides the choice of backup methodologies and technologies to meet the organization's tolerance for data loss.

NEW QUESTION 43

A company has an application on a VMware VM that stores customer photos. Customers may request their photos be removed at any time. The server needs to be restored from last week's backup. What Veeam restore process allows for custom scripting to be run to automatically remove any required photos before the server is returned to production?

- A. Instant Disk Recovery
- B. Instant VM Recovery
- C. Staged Restore
- D. Secure Restore

Answer: C

Explanation:

The Veeam restore process that allows for custom scripting to be run before returning a server to production is Staged Restore. This feature enables administrators to perform necessary operations, like running a script to remove customer photos, during the restore process before the VM is brought back online. References: Veeam Backup & Replication User Guide, Veeam Staged Restore Guide

NEW QUESTION 47

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