

## Exam Questions VMCE\_v12

Veeam Certified Engineer v12

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#### 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

A customer wants to set up a Scale-Out Backup Repository. Due to malware concerns, immutability is recommended. An on-premises server can be used to hold primary backups, but it can only hold about 21 days of backups. A copy of the backups should be stored in AWS. The retention for all backups is 60 days. Which configuration of a Scale-out Backup repository meets these requirements?

- A. Copy mode Performance Tier: Windows REFS, immutability set for 11 days Capacity Tier: Amazon S3, immutability set for 60 days
- B. Copy and move mode Performance Tier: Windows REFS, immutability set for 11 days Capacity Tier: Amazon S3, immutability set for 60 days
- C. Copy mode Performance Tier: Linux Hardened Repository, XFS, immutability set for 11 days Capacity Tier: Amazon S3, immutability set for 60 days
- D. Copy and move mode Performance Tier: Linux Hardened Repository, XFS, immutability set for 11 days Capacity Tier: Amazon S3, immutability set for 60 days

**Answer:** D

#### Explanation:

To meet the requirements of setting up a Scale-Out Backup Repository (SOBR) with immutability for malware protection and specific retention policies, the most fitting configuration is D: Copy and move mode with a Performance Tier configured on a Linux Hardened Repository using the XFS file system and immutability set for 21 days, and a Capacity Tier on Amazon S3 with immutability set for 60 days. This setup utilizes the copy and move mode to ensure that backups are first stored on the on-premises Linux Hardened Repository with an immutability setting that prevents modifications to backups, providing protection against malware for the most recent 21 days of backups. As this on-premises server has limited capacity, older backups beyond 21 days are moved to the Capacity Tier in Amazon S3, where they are also protected with immutability for the entire 60-day retention period. This configuration leverages the strengths of both on-premises and cloud storage while ensuring that all backups are protected from modification or deletion by immutability, aligning with the customer's malware protection concerns and retention requirements.

#### NEW QUESTION 3

Veeam ONE has been installed and configured. The administrator needs to monitor the VMware datastore capacity. Where can this information be found?

- A. Under Infrastructure View, select the Datastores group and view the disk space.
- B. Under Business View, select Hosts to see each datastore and its disk space.
- C. Under Infrastructure View, select all VMs to calculate the remaining datastore disk space.
- D. Under Business View, select VMs to see the total amount of used disk space.

**Answer:** A

#### Explanation:

Veeam ONE is a monitoring and reporting tool for Veeam Backup & Replication, as well as virtual environments like VMware vSphere and Microsoft Hyper-V. In Veeam ONE, you can monitor the capacity of VMware datastores by using the "Infrastructure View". Within this view, there is a specific group for "Datastores" which provides comprehensive information, including the capacity and free space available on each datastore. This feature is designed to help administrators manage storage effectively and ensure they are alerted before reaching critical capacity limits. The "Infrastructure View" provides a more direct and focused way to monitor resources like datastores compared to "Business View", which is typically used for categorizing and viewing the infrastructure based on business needs, rather than direct resource monitoring.

#### NEW QUESTION 4

An engineer is configuring Veeam Backup and Replication for an organization to protect a VMware environment using vSAN. The backup proxy must be isolated from the VMkernel.

Which transport mode should the engineer use?

- A. Direct NFS access
- B. Direct SAN access
- C. Network mode
- D. Virtual appliance

**Answer:** D

**Explanation:**

When configuring Veeam Backup & Replication in a VMware vSAN environment, the best practice is to use the Virtual Appliance transport mode. This mode is also referred to as "hot-add" and allows the backup proxy to mount VM disks directly from the datastore. This method is more isolated from the VMkernel network traffic, as it does not require network connectivity to the hosts to retrieve data, thus providing a level of isolation that meets the requirement stated in the question. The Direct NFS and Direct SAN options are not applicable for vSAN, and Network mode would not provide the necessary isolation from VMkernel network traffic.

**NEW QUESTION 5**

A corporation needs to give their MS SQL DBAs a way to restore their MS SQL databases.

Which action would allow the corporation to grant this access without giving access to other operations?

- A. Deny access to restore VMs in Enterprise Manager
- B. Give the DBA group Restore Operator access to the backup server
- C. Give the DBA group Restore Operator access to MS SQL DBs in Enterprise Manager
- D. Delegate application item recoveries to the DBA Group

**Answer: C**

**Explanation:**

To grant MS SQL DBAs the ability to restore their databases without giving access to other operations, the appropriate action is to give the DBA group Restore Operator access specifically to MS SQL databases within Veeam Enterprise Manager. This role-based access control allows DBAs to perform the needed restores while restricting access to other functionality. References:

? Veeam Backup & Replication User Guide: Role-Based Access Control

? Veeam Enterprise Manager Guide: Delegating Restore Operations

**NEW QUESTION 6**

A physical Windows file server protected by Veeam Agent for Windows needs to be migrated to a local VMware ESXi. The server has several volumes: C: (60GB), D: (1TB) and E: (4TB). What is the quickest option to migrate the server to a local VMware ESXi host?

- A. Create an empty VM and perform bare metal recovery inside the VM.
- B. Perform Instant Disk Recovery for each volume.
- C. Export all disks, create an empty VM and attach the disks.
- D. Perform Instant VM Recovery.

**Answer: D**

**Explanation:**

For the migration of a physical Windows file server to a local VMware ESXi host, the most efficient approach considering the server's large data volumes is D: Perform Instant VM Recovery. Veeam's Instant VM Recovery allows for the quick restoration of a backup into a VM running on an ESXi host. This process involves running the VM directly from the backup file without the need to fully restore the VM's data to production storage initially. This method is particularly advantageous for large volumes as it minimizes the initial data transfer time, allowing the server to be operational in the virtual environment more rapidly. After the VM is up and running, Veeam provides the option to migrate the VM to production storage in the background, ensuring minimal disruption to operations. This approach is ideal for scenarios requiring quick migration or restoration with large data sets.

**NEW QUESTION 7**

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 8**

A backup administrator is called in to review a new Veeam deployment created by a coworker. The backup administrator takes the following notes:

- 12 backup jobs
- 1 SOBR configured with AWS S3 Performance Tier
- 1 Repository configured on Hardened Immutable Repository

The administrator also notes that six jobs are configured to use the SOBR and six jobs are configured to use the Hardened Immutable Repository.

What should the backup administrator report to the other coworker regarding the 3-2-1 backup strategy?

- A. This will save costs with the Archive Tier in the SOBR.
- B. This needs the Hardened Immutable Repository added to the capacity tier.
- C. This only has 1 copy of the backup data.
- D. This meets the 3-2-1 best practices requirements.

**Answer: C**

**Explanation:**

The 3-2-1 backup strategy is a best practice that suggests having three total copies of your data, two of which are local but on different devices or media, and one copy offsite. In the described scenario, although there is an offsite component (SOBR with AWS

S3 Performance Tier), and a local hardened immutable repository, there is no indication of a second local copy on a different device or media. This means that

there is only one local copy of the backup data and one offsite copy. Therefore, the setup does not meet the 3-2-1 best practices requirement, which would involve having at least one more local copy on different media or device.

#### NEW QUESTION 9

What describes an RPO?

- A. To confirm at what point a backup should be migrated to Object Storage
- B. To clarify how many restore points need to be recovered at the same time
- C. To determine the maximum length of time a workload or application can be down
- D. To confirm the data loss tolerance of a Business Unit or Organization

**Answer:** D

#### Explanation:

Recovery Point Objective (RPO) refers to the maximum acceptable amount of data loss measured in time. It is essentially the age of the files that must be recovered from backup storage for normal operations to resume after a failure or disaster. In other words, it defines the data loss tolerance of a business unit or organization. If an RPO is set to one hour, the system must back up at least every hour to meet the RPO. References:

? Veeam Documentation: Recovery Point Objective (RPO)

? Veeam Backup & Replication User Guide: RPO and Recovery Time Objective (RTO) Definitions

#### NEW QUESTION 10

A business has the following new regulatory requirements to follow: 3-2-1

Prevent the most recent 31 days of any backup files from being deleted or modified Keep 1 copy of a monthly restore point around for 2 years

They have the following setup:

A standalone repository on a NAS

A backup job keeping 31 days of restore points

A backup copy job to an Amazon S3 Repository, keeping 31 days of backups and 24 monthly GFS restore points

Which two actions should the engineer take to change the environment to meet the new requirements? (Choose two.)

- A. Enable Immutability on the NAS
- B. Add 24 monthly GFS restore points to the backup job
- C. Configure a Scale-Out Backup Repository with NAS and Amazon S3
- D. Move the backups from the NAS to a Linux Hardened Repository
- E. Enable immutability in Amazon S3

**Answer:** AE

#### Explanation:

To meet the new regulatory requirements, enabling immutability on both the NAS and Amazon S3 is essential. Immutability prevents backup files from being deleted or modified, aligning with the requirement to protect the most recent 31 days of backup files. By enabling this feature on the NAS and Amazon S3, the business ensures that both local and offsite copies of their data are secure and compliant with the regulation. The other options do not directly address the new requirements of preventing deletion or modification of backup files. References:

? Veeam Documentation: Immutability Settings

? Veeam Help Center: Configuring Amazon S3 Immutability

#### NEW QUESTION 10

A business has several remote sites that are backed up to the central Veeam infrastructure. After a few months, the amount of data has grown and backup copy jobs do not fit into the backup window. The current bandwidth is 20 Mbps. Management wants to avoid any additional investments.

Which option would improve backup duration?

- A. Add more RAM to central VBR Server
- B. Increase bandwidth to remote sites
- C. Upgrade all remote instances to V12
- D. Deploy WAN accelerators for remote sites

**Answer:** D

#### Explanation:

WAN accelerators are a feature in Veeam Backup & Replication that optimize data transfer over WAN connections. By deploying WAN accelerators at both the central VBR (Veeam Backup & Replication) server location and the remote sites, data transfer can be optimized to fit into the existing backup window without the need for additional bandwidth investment. WAN accelerators work by caching repetitive patterns of data, which significantly reduces the amount of data that needs to be transferred over the network after the initial job run. This makes it a cost-effective solution for improving backup duration when bandwidth is limited.

#### NEW QUESTION 11

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 16

What can Veeam Service Providers deploy in the Veeam Service Provider Console v7.0?

- A. Enterprise plugins
- B. Veeam backup agents
- C. Veeam Backup for Microsoft 365
- D. Veeam One

**Answer: C**

#### Explanation:

In the Veeam Service Provider Console v7.0, Veeam Service Providers can deploy C: Veeam Backup for Microsoft 365. This deployment option is designed to extend the capabilities of Veeam Service Providers, allowing them to offer managed backup services for Microsoft 365 environments, including Exchange Online, SharePoint Online, OneDrive for Business, and Microsoft Teams. Veeam Backup for Microsoft 365 is a comprehensive solution that provides secure backup of Microsoft 365 data, ensuring its availability and recoverability in the event of accidental deletion, security threats, or retention policy gaps. By integrating this solution into the Veeam Service Provider Console, service providers can manage and monitor Microsoft 365 backups across multiple tenants, enhancing their service offerings and providing added value to their customers.

#### NEW QUESTION 21

An engineer needs to test the impact of operating system updates on app functionality in an isolated non-production environment. What Veeam Backup and Replication feature can be used to facilitate this?

- A. Replication
- B. Direct Storage Snapshots
- C. Virtual Labs
- D. Instant Recovery

**Answer: C**

#### Explanation:

Virtual Labs is the ideal feature for testing the impact of operating system updates in an isolated environment. Virtual Labs allow you to create a secure, isolated copy of your production environment where you can test updates, patches, and other changes without affecting the live environment. References: Veeam Backup & Replication Documentation, Veeam Virtual Lab Guide

#### NEW QUESTION 24

There is a company-wide mandate to migrate operations off corporate datacenters and over to AWS, Azure, and GCE. The Veeam engineer has backups of VMware, Hyper-V, and Nutanix VMs stored in on-premises repositories. The performance of a test restore was not satisfactory. Which solution should the engineer deploy?

- A. Caching servers on premises and in the cloud
- B. Veeam Wan Accelerators on premises and in the cloud
- C. Upgraded bandwidth to the Internet
- D. Helper appliance in the cloud

**Answer: B**

#### Explanation:

To improve the performance of test restores from on-premises repositories to cloud environments (AWS, Azure, and GCE), deploying Veeam WAN Accelerators on premises and in the cloud is recommended. WAN Accelerators optimize data transfer over the network, reducing the amount of data that needs to be transferred and thereby improving restore performance. References: Veeam Backup & Replication User Guide, Veeam WAN Accelerator Guide

#### NEW QUESTION 28

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 29

A customer has a local VMware environment that they back up locally and offload all retention to Wasabi's Cloud. The local backups have become unavailable, and the customer has to recover from Wasabi's Cloud. What method would provide the fastest RTO from Wasabi so that users can interact with the recovered system?

- A. Instant Recovery to EC2 VM

- B. Restore Entire VM to local VMware VM
- C. Instant Recovery to Wasabi Cloud VM
- D. Instant Recovery to local VMware VM

**Answer:** D

**Explanation:**

In a scenario where a customer needs to recover from Wasabi's Cloud due to local backups becoming unavailable, the method that would provide the fastest Recovery Time Objective (RTO) while allowing users to interact with the recovered system as quickly as possible is D: Instant Recovery to local VMware VM. Veeam's Instant Recovery feature allows for the restoration of a backup directly into the production environment without the need to fully copy the backup data. When recovering from cloud storage like Wasabi, the backup data will be streamed on-demand to the local VMware environment, allowing the VM to start running immediately while the remaining data is transferred in the background. This method minimizes downtime and provides the quickest path to operational recovery, ensuring users can access the recovered system with minimal delay. It's important to note that the effectiveness of this approach depends on the available bandwidth and the size of the data being recovered.

**NEW QUESTION 32**

A physical Windows server protected by a centrally managed Veeam agent is physically damaged. A Hyper-V 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 Hyper-V.
- B. Use Instant Disk Recovery to Hyper-V.
- C. Use Bare Metal Restore to Hyper-VVMs.
- D. Use Export Disk Content as Virtual Disk to create a new VM.

**Answer:** A

**Explanation:**

Instant VM Recovery is a feature in Veeam that allows you to start a virtual machine directly from a backup file without waiting for the full restore. Using Instant VM Recovery to Hyper-V is the best option for achieving the lowest possible Recovery Time Objective (RTO) because it allows the damaged physical server's backup to be run as a VM in the Hyper-V environment almost immediately. The Veeam Agent for Microsoft Windows supports Instant Recovery to a Hyper-V VM, which will enable you to restore service quickly while you can plan for a more permanent recovery solution.

**NEW QUESTION 34**

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 36**

Which Veeam Backup & Replication functionality achieves the lowest RPO?

- A. Backup Copy Job
- B. Continuous Data Protection
- C. Snapshot-based Replication
- D. File to Tape

**Answer:** B

**Explanation:**

Within Veeam Backup & Replication, the functionality that achieves the lowest Recovery Point Objective (RPO) is B: Continuous Data Protection (CDP). CDP is designed to protect critical workloads by continuously capturing changes and replicating them to a target site, allowing for very low RPOs, often measured in seconds. This is achieved through the use of VMware's vSphere APIs for I/O Filtering (VAIO), which intercepts and replicates I/O streams almost in real-time. CDP is particularly valuable for applications that require high levels of availability and cannot tolerate significant data loss. By providing near-continuous replication, CDP ensures that in the event of a failure or disaster, data loss can be minimized to a very narrow window, significantly reducing the potential impact on business operations.

**NEW QUESTION 41**

Company security policy states that backups must be copied to a remote location within 8 hours.

What step can a backup administrator take to receive an alert automatically if the backup copy job violates the company's policy?

- A. Set a Data Protection alert in Enterprise Manager
- B. Set a backup copy window alert on the repository
- C. Set up post-thaw scripts to send an email
- D. Enable the appropriate RPO monitor

**Answer:** D

**Explanation:**

To receive an automatic alert if the backup copy job violates the company's 8-hour policy for copying backups to a remote location, the backup administrator should enable the appropriate Recovery Point Objective (RPO) monitor. This feature tracks the age of the latest backup and alerts when it exceeds the defined RPO. References: Veeam Backup & Replication Documentation, Veeam RPO Monitoring and Reporting Guide

#### NEW QUESTION 43

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 48

A company's infrastructure consists of multiple Hyper-V servers that store VMs on local storage. Which proxy should be used to back up these VMs?

- A. VM proxy
- B. Guest interaction proxy
- C. File proxy
- D. On-host backup proxy

**Answer: D**

#### Explanation:

For Hyper-V environments where VMs are stored on local storage, the On- host backup proxy should be used. This type of proxy processes jobs directly on the host where the Hyper-V role is enabled, allowing it to interact directly with the local VM storage. It is suitable for infrastructures with multiple Hyper-V servers storing VMs locally. References:

- ? Veeam Backup & Replication User Guide: Hyper-V On-Host Proxy
- ? Veeam Best Practices: Hyper-V Backup Proxies

#### NEW QUESTION 51

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.)

- 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: AE**

#### 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. References: Veeam Backup & Replication Documentation, Veeam Backup & Replication Best Practices Guide

#### NEW QUESTION 54

Why is it recommended to have at least one backup proxy server in each site when defining a replica job?

- A. The proxies allow replication automatic restart after failure.
- B. The proxies allow for no VM snapshots during transit.
- C. It allows deduplication during data transit across the WAN
- D. The proxies allow automatic WAN acceleration.
- E. The proxies enable a stable connection for VM data transfer across sites.
- F. It allows for no VM snapshots

**Answer: E**

#### Explanation:

Having at least one backup proxy server in each site when defining a replica job is recommended because the backup proxy servers are responsible for data processing and transfer. Having proxies in both sites enables a stable connection for VM data transfer across sites, as they handle the data compression, deduplication, and transfer processes. This setup ensures that data is efficiently moved from one site to another, thereby making replication more resilient and reliable. Proxies do not automatically restart replication after failure (A), remove the need for VM snapshots during transit (B and F), or enable automatic WAN acceleration (D), although they can work in conjunction with WAN accelerators if configured to do so. They also don't directly deduplicate data during transit across the WAN (C), although they do compress and optimize it for transfer.

#### NEW QUESTION 55

A Veeam administrator wants to diagnose known issues in the configuration and performance of backup infrastructure without involving Veeam Technical Support. What feature of Veeam One should the administrator use?

- A. Intelligent Diagnostics
- B. Log Shipping Servers
- C. Business View
- D. Best Practices Analyzer

**Answer:** A

**Explanation:**

For diagnosing known issues in the configuration and performance of the backup infrastructure without the direct involvement of Veeam Technical Support, the administrator should utilize A: Intelligent Diagnostics in Veeam One. Intelligent Diagnostics is a feature designed to proactively detect known issues within the Veeam backup infrastructure by analyzing the system's event logs, performance data, and configurations. It uses predefined patterns and rules derived from common issues identified by Veeam Support to provide early warnings and suggest corrective actions. This self-service approach enables administrators to address potential problems before they impact operations, enhancing the reliability and efficiency of the backup infrastructure.

**NEW QUESTION 58**

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?

- 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. References: Veeam Backup & Replication User Guide, Veeam Tape Backup Configuration Guide

**NEW QUESTION 61**

A number of VMs are running as interdependent applications. They need to fail over, one by one, as a group. What method should be used to do this?

- A. Replica failover
- B. Replication plan
- C. Planned failover
- D. Failover plan

**Answer:** D

**Explanation:**

To ensure VMs running interdependent applications fail over one by one, as a group, the method to use is D: Failover plan. In Veeam Backup & Replication, a failover plan allows for the orchestration of a group of replicas to fail over in a predefined sequence. This includes the capability to set up delays between starting each VM, which is crucial for interdependent applications that must be started in a specific order to function correctly. The failover plan ensures that dependencies among the group are respected and that the startup sequence follows the correct order, enabling a smooth and organized transition to the failover state.

**NEW QUESTION 62**

An administrator needs to create a strategy in advance of a disaster to ensure that applications can be started in a specific order. How can this be accomplished?

- A. Attach XML file to existing job with the VM start order
- B. Application group
- C. Failover plan
- D. Veeam ONE migration script

**Answer:** C

**Explanation:**

To ensure that applications can be started in a specific order in advance of a disaster, an administrator should use a Failover Plan in Veeam Backup and Replication. This feature allows for the creation of a predefined sequence for starting up VMs, ensuring that applications are brought online in the correct order during a disaster recovery scenario. References: Veeam Backup & Replication User Guide, Veeam Failover Plan Configuration Guide

**NEW QUESTION 67**

A company is running nightly backups to satisfy their 24-hour RPO. There are two critical applications that cannot be offline more than 4 hours with no more than an hour of data loss. How can this be accomplished?

- A. Linux hardened repository with immutability
- B. A local SOBR with AWS Object storage
- C. Backup copy jobs with hourly VM replication
- D. Enable Continuous Backup Replication

**Answer:** C

**Explanation:**



To meet the stringent Recovery Time Objective (RTO) of 4 hours and Recovery Point Objective (RPO) of 1 hour for the two critical applications, the most suitable approach is to use a combination of backup copy jobs and hourly VM replication, which corresponds to answer C. Backup copy jobs can ensure that backups are available offsite for disaster recovery purposes, while VM replication provides the ability to quickly failover to a replica VM in case of a primary VM failure, thereby minimizing downtime. Veeam's replication capabilities are designed to create exact copies of VMs at regular intervals, which can then be rapidly activated in case of a failure. This strategy ensures that the applications can be brought back online within the 4-hour RTO, with data loss not exceeding the 1-hour RPO, thus meeting the company's stringent data protection requirements for these critical applications.

#### NEW QUESTION 70

What is the primary benefit of configuring replica mapping?

- A. Compressed WAN traffic
- B. Deduplicated WAN traffic
- C. Reduced WAN traffic
- D. Encrypted WAN traffic

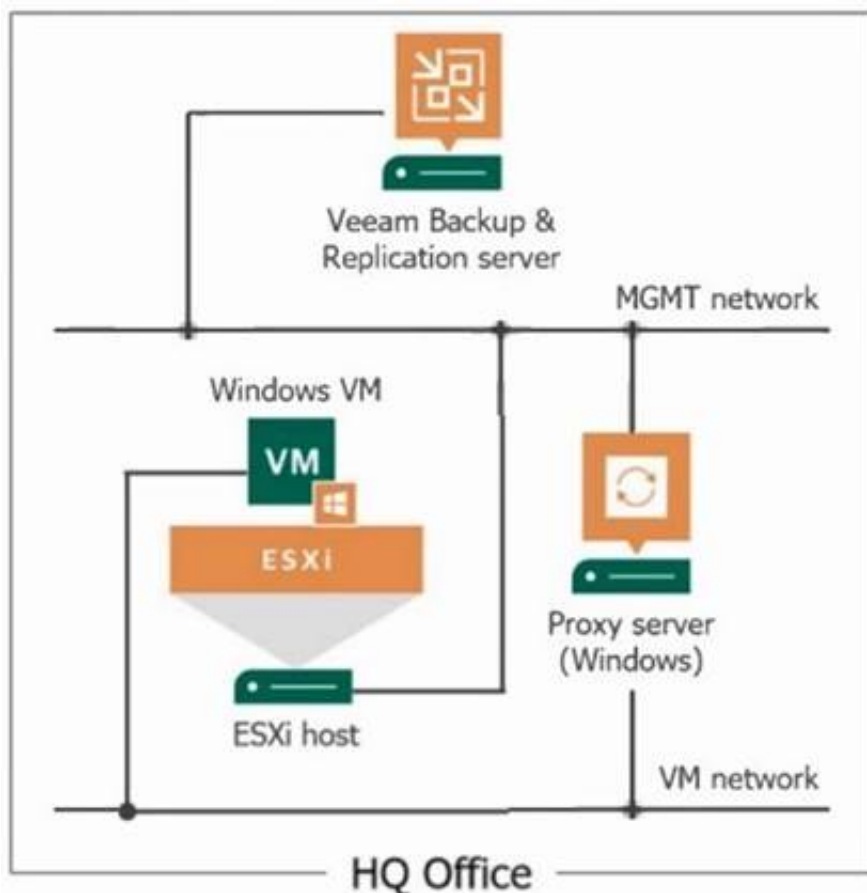
**Answer: C**

#### Explanation:

The primary benefit of configuring replica mapping in Veeam Backup & Replication is C: Reduced WAN traffic. Replica mapping is a feature that allows an administrator to map an existing VM in the disaster recovery site to a replica job. This is particularly useful when the initial replication of a large VM has been performed by other means (such as shipping a hard drive with the VM data to the DR site) or if a replica VM already exists and needs to be re-synced with the source VM. By using replica mapping, Veeam can avoid transferring the entire VM over the WAN again and instead only synchronize the differences between the source VM and the existing replica. This significantly reduces the amount of data that needs to be transferred over the WAN, conserving bandwidth and speeding up the replication process. It's an efficient way to manage replicas, especially for large VMs or in environments with limited bandwidth.

#### NEW QUESTION 72

A backup administrator must enable guest file system indexing for a backup job of a Microsoft Windows file server VM. All required credentials are added to the Veeam Backup & Replication server. VMware Tools (VIX) cannot be used due to security regulations. What should be done to make it possible in the following environment?



- A. Use the proxy server as a guest interaction proxy
- B. Connect the ESXi host to the VM network
- C. Use the Veeam Backup & Replication server as a guest interaction proxy
- D. Install a file system indexing plugin on the Microsoft Windows file server

**Answer: A**

#### Explanation:

If VMware Tools (VIX) cannot be used due to security regulations, the backup administrator can use the proxy server as a guest interaction proxy to enable guest file system indexing for a backup job. The guest interaction proxy is responsible for the deployment and coordination of guest processing tasks, such as guest file system indexing,

which does not require VIX. References:

? Veeam Backup & Replication User Guide: Guest Interaction Proxy

? Veeam Knowledge Base: Configuring Guest Interaction Proxies

#### NEW QUESTION 76

What is the purpose of a Cache Repository when adding the file share?

- A. To walk the file shares and move data to the backup repository
- B. To control how fast the backup proxy can read data from the source file share
- C. To make sure backup retention is being managed correctly
- D. To store temporary metadata and track all objects that have changed

**Answer:** D

**Explanation:**

The purpose of a Cache Repository when adding a file share in Veeam Backup & Replication is D: To store temporary metadata and track all objects that have changed. When Veeam Backup & Replication backs up data from file shares, it uses the Cache Repository to store metadata related to the files and directories on the share. This metadata includes information about file versions, change logs, and the structure of the file share, which is essential for efficient backup operations, incremental backups, and restore operations. The Cache Repository plays a crucial role in tracking changes between backup jobs, enabling Veeam to perform quick incremental backups by only processing the data that has changed since the last backup, thereby optimizing backup performance and reducing network and storage load.

**NEW QUESTION 77**

A daily backup job for seven Hyper-V VMs has been configured at the main site, keeping 14 days' worth of backup files. They want to get a copy of the VM backups to a repository at the disaster recovery site. They want to keep six months' worth of backup files at the disaster recovery site. They also need to be able to restore the VMs to any given day within two months and any given week within the six months. How should a backup copy job be configured to meet these requirements?

- A. Use periodic copy (pruning) mode, keeping 62 days of retention and six monthly GFS restore points.
- B. Use immediate copy (mirroring) mode, keeping 180 days of retention.
- C. Use periodic copy (pruning) mode, keeping 180 days of retention.
- D. Use immediate copy (mirroring) mode, keeping 62 days of retention and 26 weekly GFS restore points.

**Answer:** A

**Explanation:**

To meet the specified requirements, configuring a backup copy job in periodic copy (pruning) mode with 62 days of retention and six monthly Grandfather- Father-Son (GFS) restore points is the best approach. This setup allows for daily backups for up to two months and weekly backups for up to six months, aligning with the desired restore capabilities. References: Veeam Backup & Replication User Guide, Veeam GFS Retention Policy Explanation

**NEW QUESTION 80**

An administrator needs to dynamically add VMware VMs that have a custom application installed to a backup job. How can this job be created?

- A. Use the RESTful API to scan the VM inventory for machines that match the criteria.
- B. In Enterprise Manager, create a dynamic group of VMs that contain both tags.
- C. Create a backup job based on vSphere tags.
- D. Modify a custom CSV file to be scanned before the start of each job.

**Answer:** C

**Explanation:**

To dynamically include VMware VMs with a custom application installed in a backup job, the most efficient approach is C: Create a backup job based on vSphere tags. VMware vSphere tagging allows administrators to assign metadata to VMs, making it easier to categorize and manage them according to various criteria, such as application type, department, or any custom criteria relevant to the organization. Veeam Backup & Replication can leverage these tags to dynamically include VMs in backup jobs. By setting up a backup job to include VMs tagged with a specific identifier related to the custom application, any VM tagged accordingly will be automatically included in the backup job. This approach simplifies management, ensures consistency, and allows for the flexible and dynamic grouping of VMs based on changing criteria without the need for manual adjustments to the backup job configuration.

**NEW QUESTION 83**

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?

- 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. References: Veeam Backup & Replication User Guide, Veeam Application-Aware Processing Guide

**NEW QUESTION 87**

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 92

An engineer sets up a backup job with direct backup to the AWS S3. The retention of the job is set to 31 days and the immutable period is set to 31 days. However, one full backup data is not removed automatically after 60 days. Which option could be the reason for this?

- A. The backup job is disabled accidentally.
- B. The backup data is encrypted.
- C. It is an active full backup, not synthetic full.
- D. A retention exception is enabled for the restore point.

**Answer:** D

#### Explanation:

In Veeam Backup & Replication, an immutable backup means that the backup data cannot be modified or deleted during the specified immutable period. However, even with immutability enabled, once the period expires, the data should be automatically subject to the defined retention policy. If a backup still persists beyond the retention period, a likely explanation is that a retention lock or exception has been applied to that particular restore point, preventing it from being deleted. Other listed reasons wouldn't typically prevent the deletion of the backup file after the immutable period has lapsed.

#### NEW QUESTION 95

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 99

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