



# VEEAM

## Exam Questions VMCE2021

Veeam Certified Engineer 2021

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#### NEW QUESTION 1

- (Exam Topic 1)

15 VMs are running on a Hyper-V platform and five physical servers at a remote office (ROBO). The administrator has been tasked with setting up centralized off-site backups at the headquarters (HQ). The available bandwidth is 50 Mbps. RPO is set to six hours and the data generated for the interval is 500 GB. WAN accelerators can be added if necessary. Which of the following will achieve the RPO?

- A. Use backup copy jobs in with High-Performance Mode enable
- B. Set the schedule to run every six hours.
- C. Use backup copy jobs with copy mode set to "immediate copy". Use WAN acceleration.
- D. Use backup copy jobs with copy mode set to "periodic copy" and copy every six hours.
- E. Configure the backup copy jobs with traffic throttling to 30 Mbps to limit the impac
- F. Enable WAN acceleration.

**Answer:** B

#### Explanation:

According to the Veeam Backup & Replication user guide<sup>12</sup>, WAN acceleration is a technology that optimizes data transfer to remote locations by performing deduplication and caching. It is specific for off-site backup copy jobs and replication jobs<sup>12</sup>.

Therefore, if you want to achieve the RPO of six hours with 500 GB of data and 50 Mbps of bandwidth, you should use backup copy jobs with WAN acceleration enabled. This will reduce the amount of data that nee to be transferred over the network and speed up the backup process<sup>12</sup>. The simplest configuration would be an immediate copy mode with WAN acceleration

#### NEW QUESTION 2

- (Exam Topic 1)

An infrastructure with 50 VMs has a power outage. After the VMware cluster has booted up again, 10 medium-sized VMs have corrupted VM disk files. Which action can be used to restore the VMs back to the production state?

- A. Use the "Restore guest files" option and restore all VM Files.
- B. Perform Restore VM Files and only restore the VM configuration files.
- C. Perform Restore VM Files and restore the VM configuration and disk files.
- D. Perform Instant VM Recovery with quick rollback.

**Answer:** C

#### NEW QUESTION 3

- (Exam Topic 1)

A company needs several VMware thick provisioned VMs restored. The physical proxies used for restoration have access to the Fibre Channel datastores used by VMware. Which transport mode will be used by default to restore these VMs?

- A. Network mode
- B. Virtual appliance
- C. Quick Migration
- D. Direct Storage Access

**Answer:** D

#### Explanation:

[https://helpcenter.veeam.com/docs/backup/vsphere/direct\\_san\\_access.html?ver=120](https://helpcenter.veeam.com/docs/backup/vsphere/direct_san_access.html?ver=120)

#### NEW QUESTION 4

- (Exam Topic 1)

Which of the following backup types are valid for both Veeam Agent for Microsoft Windows and Veeam Agent for Linux? (Choose two.)

- A. Snapshot-level backup
- B. File-level backup
- C. Personal files backup
- D. Volume-level backup
- E. OS-level backup

**Answer:** BD

#### Explanation:

[https://helpcenter.veeam.com/docs/agentforwindows/userguide/backup\\_job\\_mode.html?ver=60](https://helpcenter.veeam.com/docs/agentforwindows/userguide/backup_job_mode.html?ver=60)

#### NEW QUESTION 5

- (Exam Topic 1)

Veeam ONE has been installed and configured. The infrastructure contains five Veeam Backup & Replication servers.

The administrator needs to check the remaining capacity on each of the backup repository servers. Where can they see this information?

- A. Under Infrastructure View, look up the Veeam Backup & Replication servers to see the guest disk space.
- B. Under Data Protection View, look up the backup repository servers to see the remaining capacity.
- C. Under Business View, look up the backup repository servers to see the remaining capacity.
- D. Under Infrastructure View, look up the backup repository servers to see the guest disk space.

**Answer:** B

#### Explanation:

According to the Veeam ONE Reporting Guide<sup>1</sup>, you can use the Capacity Planning for Backup Repositories report to analyze configuration and space usage on backup repositories and to forecast how many days remain before the repository reaches its full capacity.  
You can also use the Backup Repository Summary dashboard<sup>2</sup> or the Backup Repositories Overview dashboard<sup>3</sup> to see details of performance, capacity and archive tiers for backup repositories.

#### NEW QUESTION 6

- (Exam Topic 1)

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 six months. How should a backup copy job be configured to meet these requirements?

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

**Answer:** B

#### Explanation:

According to the Veeam Backup & Replication user guide<sup>1</sup>, you can use a long-term retention policy (GFS) keep backup files for longer periods of time. GFS stands for grandfather-father-son and refers to a backup rotation scheme that allows you to create weekly, monthly, quarterly and yearly restore points<sup>12</sup>. Therefore, if you want to be able to restore the VMs to any given day within two months and any given week within six months, you should use a GFS policy with 62 days of retention and 26 weekly GFS restore points. The simplest configuration would be an immediate copy (mirroring) mode with these settings (option B).

#### NEW QUESTION 7

- (Exam Topic 1)

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

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


**Answer:** B

#### NEW QUESTION 8

- (Exam Topic 1)

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.

Name

Performance Tier

Placement Policy

**Capacity Tier**

Archive Tier

Summary

☒ 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.

Name  
Performance Tier  
Placement Policy  
Capacity Tier  
**Archive Tier**  
Summary

☐ Archive GFS full backups to object storage:  

Amazon Glacier
Add

Archive GFS backups older than 60 days
Storage

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

- A. The archive tier
- B. The performance tier and the capacity tier
- C. The performance tier
- D. The capacity tier

**Answer:** C

#### NEW QUESTION 9

- (Exam Topic 1)

For general data protection regulation (GDPR) compliance, Veeam can add a location tag to which component?

- A. Guest interaction proxies
- B. vCenter servers
- C. Cloud gateways
- D. WAN accelerators

**Answer:** B

#### Explanation:

[https://helpcenter.veeam.com/archive/backup/110/vsphere/locations\\_create.html](https://helpcenter.veeam.com/archive/backup/110/vsphere/locations_create.html)

#### NEW QUESTION 10

- (Exam Topic 1)

What is necessary prior to configuring replica mapping?

- A. A Veeam backup in the production site
- B. A Veeam replica in the disaster recovery site
- C. A Veeam backup in the disaster recovery site
- D. A Veeam replica in the production site

**Answer:** B

#### Explanation:

[https://helpcenter.veeam.com/archive/backup/110/vsphere/replica\\_seeding.html](https://helpcenter.veeam.com/archive/backup/110/vsphere/replica_seeding.html)

#### NEW QUESTION 10

- (Exam Topic 1)

In the war against ransomware, a company decided to implement tape backup for the first time. The tape library has already been added. Of the following, what must be done first?

- A. Create vaults.
- B. Create media pools.
- C. Create libraries.
- D. Create media sets.

**Answer:** B

#### NEW QUESTION 11

- (Exam Topic 2)

A company is required to have a daily backup with a retention of at least six weeks. The backups are running every eight hours during the day. From the options provided, what backup job would you advise based on their SLA and best practices?

- A. Forever forward incremental backup, with default job settings enabled
- B. Forever forward incremental backup, with a retention of 42 restore points, savings six weekly full backups
- C. Forever forward incremental backup, with a retention of 42 restore points
- D. Forward incremental backup with weekly synthetic full backups and a retention of 42 days



**Answer:** D

### NEW QUESTION 13

- (Exam Topic 2)

Exhibit:



Look at the diagram. This daily backup job has been running for over 30 days and no active full backups have been taken since the first run. Which of the following best describes the backup job?

- A. This is a reverse incremental backup, keeping seven restore points
- B. This is a forward incremental backup with Sunday and Wednesday synthetic full, keeping seven restore points
- C. This is a forward incremental backup with transform enabled, keeping four restore points
- D. This is forever forward incremental backup, keeping seven restore points

**Answer:** A

### NEW QUESTION 15

- (Exam Topic 2)

Which of the following need to be performed in order to switch from the original VM to a VM Replica and then to use this replica as the original VM?

- A. Change the replication Job to reverse the replication
- B. Failback + commit failback
- C. Undo failover
- D. Permanent failover

**Answer:** D

### NEW QUESTION 19

- (Exam Topic 2)

Which backup method produces a backup chain that consists of the first full backup file (VBK) and a set of incremental backup files (VIB) following it? Additionally, the backup chain contains synthetic full and/or active full backup files that divide the backup chain into shorter series.

- A. Forward incremental backup
- B. Differential incremental backup
- C. Reverse incremental backup
- D. Forever forward incremental backup

**Answer:** A

#### Explanation:

Reference: [https://helpcenter.veeam.com/docs/backup/vsphere/forward\\_incremental\\_backup.html?ver=100](https://helpcenter.veeam.com/docs/backup/vsphere/forward_incremental_backup.html?ver=100)

### NEW QUESTION 20

- (Exam Topic 2)

Offloading backup files to the capacity tier of a scale out repository can be done automatically by leveraging what type of job?

- A. Archive Job
- B. Offload Job
- C. Backup Copy Job
- D. Backup Job

**Answer:** D

### NEW QUESTION 25

- (Exam Topic 2)

Which of the following is a backup mode that can be configured within a Veeam Agent for Windows backup job?

- A. Reverse incremental with periodic active full backups
- B. Forward incremental and reverse incremental, both with optional periodic synthetic and/or active full backups
- C. Forward incremental with optional periodic synthetic and/or active full backups
- D. Reverse incremental with optional periodic synthetic full backups

**Answer:** C

#### Explanation:

[https://helpcenter.veeam.com/docs/agentforwindows/userguide/backup\\_chain.html?ver=40](https://helpcenter.veeam.com/docs/agentforwindows/userguide/backup_chain.html?ver=40)

**NEW QUESTION 26**

- (Exam Topic 2)

The backup administrator configured replication for a VM from Data Center 1 to Data Center 2, which runs every day at 1 a.m. A power surge takes out Data Center 1 at 7 a.m. and the administrator fails over the replica at 8 a.m. When the power comes back on, the administrator performs the “failback” action at 2 p.m. and checks the state of the original VM. They recognize that not all data is available. What is missing?

- A. Data from 1 a.
- B. to 7 a.m.
- C. Data from 1 a.
- D. to 2 p.m.
- E. Data from 8 a.
- F. to 2 p.m.
- G. Data from 7 a.
- H. to 8 a.m.

**Answer:** A

**Explanation:**

<https://helpcenter.veeam.com/docs/backup/vsphere/failback.html?ver=100>

**NEW QUESTION 30**

- (Exam Topic 2)

A company has been running off replicated, business-critical VMs at their disaster recovery location since an earthquake near the primary data center occurred. Since the threat has passed, they want to stop the replicas and switch to the VMs at the primary data center without losing data. Which of the following actions is the first step they should take?

- A. Failover
- B. Permanent failover
- C. Commit failback
- D. Failback to production
- E. Planned failover
- F. Undo failover

**Answer:** D

**NEW QUESTION 34**

- (Exam Topic 2)

Which of the following Veeam Backup & Replication jobs can use integration with secondary arrays as a data source?

- A. Backup
- B. VM copy
- C. Replication
- D. Tape backup

**Answer:** A

**NEW QUESTION 37**

- (Exam Topic 2)

A financial company is looking for a new backup application. One of their main requirements is the ability to have quick access to their backup data. What features in Veeam Backup & Replication support the rapid availability of data, applications and VMs? (Choose three.)

- A. Full VM recovery without quick rollback
- B. Microsoft SQL database, and Oracle database publishing
- C. Instant VM Recovery
- D. Instant VM disk recovery
- E. Bare metal recovery
- F. Restore to Amazon EC2

**Answer:** BCD

**NEW QUESTION 41**

- (Exam Topic 2)

Which procedure is used to finalize replica failback?

- A. Migrate to production
- B. VMware Storage vMotion
- C. Replica failback does not need to be finalized
- D. Commit failback
- E. Quick Migration

**Answer:** D

**NEW QUESTION 42**

- (Exam Topic 2)

Which of the following should be considered when estimating the amount of disk space necessary to store backups? Choose two options.

- A. Retention period for backups
- B. Type of disk (thick or thin)
- C. Hypervisor and host version
- D. RAID configuration of the Backup Repository
- E. Veeam Backup & Replication edition
- F. Total size of used data for the VMs being backed up

**Answer:** AF

#### NEW QUESTION 45

- (Exam Topic 2)

A backup administrator is deploying a Veeam ONE environment. They have chosen to use separate servers from their Veeam Backup & Replication environment. What benefit will they receive if they install the Veeam ONE Agent onto their backup server?

- A. Track whether VMs and agents are properly protected and following the 3-2-1 rule
- B. Collect Veeam Backup & Replication logs and execute remediation actions
- C. Collect virtual environment configuration from Veeam Backup & Replication
- D. Analyze Veeam Backup & Replication log data and retrieve signature updates

**Answer:** C

#### NEW QUESTION 49

- (Exam Topic 2)

If your mount server is running Windows Server 2019 and you are performing a secure restore, which statement below is true?

- A. NTFS is the only format supported.
- B. RefS will be skipped.
- C. RefS will be processed and scanned.
- D. Storage Spaces disks will be processed and scanned.

**Answer:** A

#### NEW QUESTION 53

- (Exam Topic 2)

Which HPE SAN storage systems are supported by the Backup from Storage Snapshots feature in Veeam Backup & Replication? Choose three options.

- A. HPE StoreVirtual and StoreVirtual VSA
- B. HPE Nimble Storage AF-series and CS-series
- C. HPE StoreEasy Storage
- D. HPE 3PAR StoreServ
- E. HPE StoreOnce

**Answer:** ABD

#### NEW QUESTION 56

- (Exam Topic 2)

Which of the following statements regarding the Backup from Storage Snapshots feature when backing up virtual machines from a VMware vSphere environment are true? (Choose two.)

- A. Lower impact on WAN link during off-site backups
- B. Higher transfer speed from production NFS datastores
- C. A virtual machine with one virtual drive on shared storage and another drive on local storage will be processed with Backup from Storage Snapshots transport mode
- D. A virtual machine with one virtual drive on shared storage and another drive on local storage will failover to a different transport mode
- E. Reduce the impact of consolidating VM snapshots

**Answer:** BE

#### NEW QUESTION 57

- (Exam Topic 2)

Which of the following statements are true when deploying VMware backup proxy server? Choose three options.

- A. A managed Microsoft Windows server can be used as a backup proxy.
- B. The maximum number of concurrent tasks can be configured.
- C. The vPower NFS root folder location can be configured.
- D. A managed Linux server can be used as a backup proxy.
- E. Connected datastores can be configured.

**Answer:** ABC

#### NEW QUESTION 60

- (Exam Topic 2)

Which of the following is NOT an advantage of Veeam ONE Monitor?

- A. Built in phone home function for better security



- B. Updates are signature based
- C. Automatic problem mediation
- D. Manual or scheduled log analytics

**Answer:** A

#### NEW QUESTION 64

- (Exam Topic 2)

Sometimes snapshots are "lost" by vCenter. What tool finds and removes those lost snapshots?

- A. CLI Snapshot Removal Tool
- B. Snapshot Hunter
- C. Snapshot Extractor
- D. Veeam ONE Orphaned VM Reporter

**Answer:** B

#### NEW QUESTION 68

- (Exam Topic 2)

Which Veeam Backup & Replication job type offers the shortest recovery time objective (RTO)?

- A. Backup copy
- B. Backup to tape
- C. Replication
- D. File to tape

**Answer:** C

#### Explanation:

Reference: <https://helpcenter.veeam.com/docs/backup/vsphere/replication.html?ver=100>

#### NEW QUESTION 70

- (Exam Topic 2)

A company has separate networks for management traffic and data traffic. All Veeam components are communicating over the management network. How would they define the data network for backup data transfers?

- A. Re-add all Veeam components involved in data transfer through the required interfaces
- B. Update routing tables on the components involved in data transfer
- C. Create a global network traffic rule, set appropriate source and target IP range
- D. Use the preferred network settings to switch to data network for the backup traffic

**Answer:** D

#### Explanation:

[https://helpcenter.veeam.com/docs/backup/vsphere/select\\_backup\\_network.html?ver=100](https://helpcenter.veeam.com/docs/backup/vsphere/select_backup_network.html?ver=100)

#### NEW QUESTION 75

- (Exam Topic 2)

Is it possible to switch between backup modes in a backup job?

- A. No, if you want to create backups using another mode, you have to create another backup Job.
- B. Yes, but in this case, you will have to specify a new backup repository.
- C. Yes, the new mode leaves existing backups as they are and continues creating backups in the same backup repository.
- D. Yes, the new mode will transform all existing backups in the appropriate way and continue creating backups in the same backup repository.

**Answer:** C

#### NEW QUESTION 78

- (Exam Topic 2)

A scale-out backup repository is configured with data locality policy. How is an extent selected during an active full backup? (Choose two.)

- A. Always the same extent as the previous full backup
- B. An extent determined based on load control settings and free space
- C. A different extent from the previous chain to avoid single point of failure, if possible on free space
- D. It tries the same location as the previous full if using a deduplication appliance

**Answer:** BD

#### NEW QUESTION 81

- (Exam Topic 2)

Which of the following best describes the Snapshot Hunter feature?

- A. A Veeam technology used to detect and remove orphaned VMware vSphere snapshots that may remain after backup or replication job sessions
- B. A Veeam CBT filter driver used for Instant VM Recovery in the Microsoft Hyper-V environments
- C. A part of Veeam Explorer for Storage Snapshots used to locate the required snapshot for restore
- D. A Veeam ONE, dashboard used to detect orphaned VMware vSphere snapshots that may remain after backup or replication job sessions

**Answer:** A

**NEW QUESTION 83**

- (Exam Topic 2)

What is Veeam vPower NFS Service used for?

- A. It is used to send data to the original location or to a new location specified by the user when restoring It.
- B. It allows Veeam Backup & Replication to present VM files in a native format to an ESXi host, from a compressed and deduplicated backup file.
- C. It is used to mount a compressed and deduplicated backup file directly to the backup server and perform file and item level restore.
- D. It continuously checks the configuration settings of jobs and starts them in accordance with their schedules.

**Answer:** C

**NEW QUESTION 87**

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