

# VEEAM

## Exam Questions VMCE2021

Veeam Certified Engineer 2021



#### NEW QUESTION 1

- (Exam Topic 1)

In Veeam Enterprise Manager, what granular restoration permission can be set for the Restore Operator role?

- A. SharePoint items
- B. File items
- C. Active Directory items
- D. OneDrive items

**Answer: B**

#### Explanation:

Restore Operator: - Access objects from the restore scope on the Machines and Files tabs - Perform restore operations as permitted by the delegation settings  
[https://helpcenter.veeam.com/docs/backup/em/em\\_about\\_accounts\\_and\\_roles.html?ver=120](https://helpcenter.veeam.com/docs/backup/em/em_about_accounts_and_roles.html?ver=120)

#### NEW QUESTION 2

- (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 3

- (Exam Topic 1)

A critical server in a Hyper-V environment has crashed and will not reboot. What is the fastest way to bring this server back online so employees can continue to work?

- A. Instant VM Disk Recovery
- B. Entire VM restore
- C. Instant VM Recovery
- D. Staged restore

**Answer: C**

#### NEW QUESTION 4

- (Exam Topic 1)

What data sources can be connected to Veeam ONE? (Choose two.)

- A. Veeam Backup & Replication servers
- B. Microsoft Hyper-V servers
- C. Veeam Backup & Replication agents
- D. Microsoft Azure VMs
- E. Amazon Web Services EC2 instances

**Answer: AB**

#### Explanation:

[https://helpcenter.veeam.com/docs/one/deployment/connect\\_servers.html?ver=120](https://helpcenter.veeam.com/docs/one/deployment/connect_servers.html?ver=120)

#### NEW QUESTION 5

- (Exam Topic 1)

A physical Linux file server needs to be migrated to VMware ESXi. The server has several volumes: /dev/sda (60GB), /dev/sdb (1TB) and /dev/sdc (4TB). What is the quickest option to migrate the server?

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

**Answer: C**

#### NEW QUESTION 6

- (Exam Topic 1)

A director in a business needs a folder of traffic photos restored from a Linux server. This machine sits on a VM backed up by Veeam Backup & Replication. The director wants the files restored to their original location and does not want to lose the original files. What functionality will be used to restore the folder using the Veeam Guest OS restoration wizard?

- A. Restore the files using the "Versioning" functio
- B. Files will be prefixed with numbers (1-, 2-, 3-, etc.).
- C. Restore the files using the "Overwrite" functio
- D. Original files will be renamed.
- E. Restore the files using the "Hold" functio
- F. The director can then determine the status of the original and restored files.
- G. Restore the files using the "Keep" functio
- H. Original files will be untouched

**Answer:** D

#### Explanation:

According to the Veeam Backup & Replication user guide<sup>1</sup>, you can use the Guest File Restore wizard to restore files and folders from VM guest OSes that run Linux or other non-Windows OSes<sup>2</sup>. The wizard allows you to choose how to handle situations when restored files already exist on the target location<sup>3</sup>. Therefore, if you want to restore the folder of traffic photos to their original location and do not want to lose the original files, you should use the Keep function. This function will preserve original files on disk and w not overwrite them with restored files

#### 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)

What is the default suffix added to a replica's VM name?

- A. \_secondary
- B. \_replica
- C. \_map
- D. \_seed

**Answer:** B

#### NEW QUESTION 9

- (Exam Topic 1)

Which of the following are valid export options for Microsoft SQL Server items when using the Veeam Explorer for Microsoft SQL? (Choose two.)

- A. .mdb file
- B. .bak file
- C. .mdf file
- D. .sql file
- E. .xls file

**Answer:** BC

#### Explanation:

[https://helpcenter.veeam.com/docs/backup/explorers/vesql\\_data\\_export.html?ver=120](https://helpcenter.veeam.com/docs/backup/explorers/vesql_data_export.html?ver=120)

#### NEW QUESTION 10

- (Exam Topic 1)

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

Transport Mode

Backup proxy transport mode:

☒ **Automatic selection**  
Data retrieval mode is selected automatically by analyzing backup proxy configuration and reachable VMFS and NFS datastores. Transport modes allowing for direct storage access will be used whenever possible.

☐ **Direct storage access**  
Data is retrieved directly from shared storage, without impacting production hosts. For block storage, backup proxy server must be connected into SAN fabric via hardware or software HBA, and have VMFS volumes mounted.

☐ **Virtual appliance**  
Data is retrieved directly from storage through hypervisor I/O stack by hot adding backed up virtual disks to a backup proxy VM. Datastores containing protected VMs must be connected to a host running backup proxy VM.

☐ **Network**  
Data is retrieved from storage through hypervisor network stack using NBD protocol over host management interface. This mode has no special setup requirements. Recommended for 10 Gb Ethernet or faster.

Options

☒ Failover to network mode if primary mode fails, or is unavailable  
☐ Enable host to proxy traffic encryption in Network mode (NBDSSL)

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When performing a restore of a thin-provisioned VMware virtual disk on an NFS data store using this proxy server, what transport mode will be used by default?

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

Answer: D

#### NEW QUESTION 10

- (Exam Topic 2)

What is the purpose of scheduling a virtual Synthesized full backup for tape jobs?

- A. To be able to restore files and folders from tape
- B. To be able to create the synthetic full .vbk backup directly on tape
- C. To help save additional disk space on tape
- D. To avoid copying a full .vbk file to tape from the source reverse incremental backup Job

Answer: D

#### NEW QUESTION 14

- (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 17

- (Exam Topic 2)

The advanced installation scenario requires installing the Veeam ONE Server component (server part) on one machine and installing the Veeam ONE Web UI component (client part) on another machine.

- A. True
- B. False

**Answer:** A

#### NEW QUESTION 18

- (Exam Topic 2)

An end user has deleted a business-critical document and they need it back right away. The IT team has been doing hypervisor-level backups of the VM that the document was on. What is the fastest option for this backup administrator to get the user's document back?

- A. Entire VM restore
- B. Guest files restore
- C. Instant VM Recovery
- D. Virtual disks restore

**Answer:** B

#### NEW QUESTION 21

- (Exam Topic 2)

A company has replicated their critical application VMs to a second data center in another region. Their key application includes two database VMs and three application VMs. For proper operation, the database VMs need to start before the application VMs. What needs to be configured in Veeam to prepare for a disaster recovery situation?

- A. Use a failover plan
- B. Use a planned failover
- C. Use Instant VM Recovery
- D. Use on-click failover

**Answer:** A

#### Explanation:

Reference: <https://www.veeam.com/virtual-machine-backup-solution-free.html>

the course guide veeam say "a presente scenario for one click failover for a group of independent vms, you can set ORDER for the vm's in the plan, and the delay intervals to make sure that some vms are already running at the moment to the dependent vms start"

#### NEW QUESTION 23

- (Exam Topic 2)

If you need to run a script to stop a service in order to get an application-consistent backup on a Windows server, where can the script be run?

- A. In the guest processing setting of the job, enable application-aware processing and add a pre-freeze script to the VM
- B. Configure the script to run on the Veeam Backup & Replication server using the Windows Task Scheduler
- C. Copy the script to the VM and schedule the script to run prior to the start of the backup job using the Windows Task Scheduler in the VM
- D. In the virtual machines setting of the job, add a script in the scripts tab under "Run the following script before the job:"

**Answer:** A

#### NEW QUESTION 25

- (Exam Topic 2)

What is the main advantage of using the Backup from Storage Snapshots feature?

- A. It does not create VMware snapshot(s).
- B. It saves space in the repository.
- C. It speeds up the backup process.
- D. It decreases the amount of time the VM is running on a VMware snapshot.

**Answer:** D

#### Explanation:

The backup process is going to take the same amount of time, but the commit operation of the vmware snapshot has shorter duration when working with storage snapshots

#### NEW QUESTION 30

- (Exam Topic 2)

A company needs to maintain and verify backups at a secondary site to meet the following requirements: RTO of two hours, RPO of 12 hours, four weeks retention. Which of the following backup copy job configurations meets these requirements?

- A. Periodic backup copy job, scheduled for a two-hour interval, with 56 restore points to retain
- B. Periodic backup copy job, scheduled for a 12-hour interval, with 56 restore points to retain
- C. Periodic backup copy job, scheduled for a two-hour interval, with 112 restore points to retain
- D. Periodic backup copy job, scheduled for a 12-hour interval, with 112 restore points to retain

**Answer:** B

#### NEW QUESTION 31

- (Exam Topic 2)



Which of the following statements is true regarding the Veeam Backup & Replication integration with supported Storage Systems for VMware vSphere are true? (Choose three).

- A. On storage accesses through NFS, VMs with snapshots will be skipped from Backup from Storage Snapshots
- B. Veeam Backup & Replication can backup virtual machines from a supported secondary storage array
- C. On storage accessed through NFS, VMs with snapshots can be protected with Backup from Storage Snapshots
- D. When Backup from Storage Snapshots is performed, VMware snapshot is never utilized
- E. Enabling Backup from Storage Snapshots for all backup jobs are not recommended

**Answer:** ABE

#### NEW QUESTION 34

- (Exam Topic 2)

Which of the following statements are true when comparing a synthetic full backup to an active full backup on an NTFS-based backup repository? Choose two options.

- A. If the backup repository performance is weak, creating synthetic full backups is the best choice.
- B. Synthetic full backups consume more network bandwidth.
- C. Synthetic full backups impose less load on the production environment.
- D. In terms of content and retention, the synthetic full backup file is identical to an active full backup file.
- E. Synthetic full backups are always best when launched on a dedupe appliance.
- F. The synthetic full backup file has a .vsb extension, whereas the active full backup has a .vbk extension.

**Answer:** CD

#### NEW QUESTION 36

- (Exam Topic 2)

If the Backup Administrator has to perform a backup over a high-latency, low bandwidth network link, how can the disruptions to the backup process be avoided?

- A. By making a direct backup using WAN accelerator.
- B. By adding additional WAN accelerators to the target site.
- C. By making a backup locally and utilizing WAN accelerators for a backup copy Job.
- D. By adjusting the compression and deduplication settings for this Job.

**Answer:** C

#### 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 38

- (Exam Topic 2)

A Backup Administrator needs to create a fully functional VM at a secondary location in an isolated network. The VM should not require manual editing or modifications to the configuration. Which of the following jobs could the Backup Administrator use? Choose two options.

- A. SureBackup
- B. VeeamZip
- C. VM Copy
- D. Replication
- E. Backup
- F. Configuration Backup

**Answer:** CD

#### Explanation:

[https://helpcenter.veeam.com/docs/backup/vsphere/about\\_replication.html?ver=100](https://helpcenter.veeam.com/docs/backup/vsphere/about_replication.html?ver=100) [https://helpcenter.veeam.com/docs/backup/vsphere/vm\\_copy.html?ver=100](https://helpcenter.veeam.com/docs/backup/vsphere/vm_copy.html?ver=100)

#### NEW QUESTION 40

- (Exam Topic 2)

When deploying an advanced single-host virtual lab in a VMware environment, what will Veeam create?

- A. A distributed virtual switch with uplink(s)
- B. A standard virtual switch with uplink(s)
- C. A distributed virtual switch without uplink(s)
- D. A standard virtual switch without uplink(s)

**Answer:** B

**Explanation:**

Reference: [https://helpcenter.veeam.com/docs/backup/vsphere/surebackup\\_advanced\\_vlab.html?ver=100](https://helpcenter.veeam.com/docs/backup/vsphere/surebackup_advanced_vlab.html?ver=100)

**NEW QUESTION 42**

- (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 46**

- (Exam Topic 2)

To suppress Veeam ONE alarms under specific conditions or when a specific event occurs, which of these options can be selected? (Choose three.)

- A. High CPU usage
- B. Veeam backup activity
- C. Snapshot creation
- D. Storage snapshot deletion
- E. Storage snapshot creation
- F. Snapshot deletion

**Answer:** BCF

**Explanation:**

Reference: [https://helpcenter.veeam.com/docs/one/alarms/alarm\\_suppression.html?ver=100](https://helpcenter.veeam.com/docs/one/alarms/alarm_suppression.html?ver=100)

**NEW QUESTION 51**

- (Exam Topic 2)

When configuring a SureBackup job, what are some of the criteria for adding servers to an application group? (Choose two.)

- A. VMs cannot be encrypted
- B. VM backups must reside on the same repository
- C. VMs cannot be added to an application group twice
- D. VMs must be running the same OS version
- E. VMs must have at least one valid restore point

**Answer:** CE

**Explanation:**

Reference: [https://helpcenter.veeam.com/docs/backup/vsphere/appgroup\\_vms\\_vm.html?ver=100](https://helpcenter.veeam.com/docs/backup/vsphere/appgroup_vms_vm.html?ver=100)

**NEW QUESTION 52**

- (Exam Topic 2)

When protecting VMs, where is the Veeam CBT driver (file system filter driver) installed?

- A. On every managed Hyper-V 2012 R2 or older host
- B. On every managed Veeam backup proxy
- C. On every managed server
- D. On every managed VMware vSphere ESXi 5.1 or older host
- E. On every managed Hyper-V 2016 or newer host

**Answer:** A

**NEW QUESTION 54**

- (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 58**

- (Exam Topic 2)

Your company is using Veeam ONE to monitor VM performance in real time. An end user has called to complain about the performance of a VM and has asked you to investigate the cause of the issue. Where in Veeam ONE do you go to view real time VM metrics?

- A. In the monitor client under the infrastructure view

- B. In the reporter portal in the workspace tab, VM performance
- C. In the monitor client under the data protection view
- D. In the reporter portal in the dashboards tab, VM performance dashboard

**Answer:** A

**Explanation:**

Reference: <https://www.veeam.com/blog/monitoring-vmware-hyperv-environment.html>

**NEW QUESTION 62**

- (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 processes 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 65**

- (Exam Topic 2)

Which of the following predefined tests can be performed during a SureBackup verification test on a backup file? (Choose three.)

- A. Application test
- B. Heartbeat test
- C. Ping test
- D. SAN check
- E. Boot time
- F. OS test

**Answer:** ABC

**Explanation:**

Reference: [https://helpcenter.veeam.com/docs/backup/hyperv/surebackup\\_tests.html?ver=100](https://helpcenter.veeam.com/docs/backup/hyperv/surebackup_tests.html?ver=100)

**NEW QUESTION 66**

- (Exam Topic 2)

Which storage optimization option uses a block size of 512 KB?

- A. LAN target
- B. WAN target
- C. Local target (large blocks)
- D. Local target

**Answer:** A

**Explanation:**

Reference: [https://helpcenter.veeam.com/docs/backup/hyperv/compression\\_deduplication.html?ver=100](https://helpcenter.veeam.com/docs/backup/hyperv/compression_deduplication.html?ver=100)

**NEW QUESTION 68**

- (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 70**

- (Exam Topic 2)

Which of the following is the extension of a Veeam Backup & Repletion configuration backup file?

- A. The file extension is specified in the configuration backup sellings.
- B. .bco
- C. .vbm
- D. .cbo
- E. .vbk

**Answer:** B



#### NEW QUESTION 75

- (Exam Topic 2)

In the event a VMware VM configuration file (VMX) is missing and a restore is needed, what Veeam restore process is the best choice for this situation?

- A. VM file restore
- B. Instant disk recovery
- C. Instant VM recovery
- D. Virtual disk restore

**Answer:** A

#### Explanation:

Reference: [https://helpcenter.veeam.com/docs/backup/vsphere/vmfile\\_recovery.html?ver=100](https://helpcenter.veeam.com/docs/backup/vsphere/vmfile_recovery.html?ver=100)

#### NEW QUESTION 79

- (Exam Topic 2)

An SMB customer installed Veeam Backup & Replication in a simple deployment. How can the customer comply with the 3-2-1 rule?

- A. Create a Scale-out Backup Repository with object storage in the public cloud used as the capacity tier leveraging copy mode
- B. Create a backup to tape job to a local virtual tape library
- C. Create a Scale-out Backup Repository with object storage in the public cloud used as the capacity tier leveraging move mode
- D. Copy the backups to a separate local NAS device

**Answer:** A

#### NEW QUESTION 84

- (Exam Topic 2)

A customer currently has one backup job that runs every four hours to backup their VMs in a transaction consistent state. Which job configuration will keep all restore points safe in case the primary site and backups go down while still being able to do a point-in-time recovery of a SQL database from the backups on the second site?

- A. Configure a second VM backup job and schedule it to copy every four hours, starting at midnight, to a repository on the second site
- B. Configure a backup copy job in mirror mode, to a repository on the second site
- C. Configure a backup copy job in pruning mode and schedule it to copy every four hours, starting at midnight, to a repository on the second site
- D. Configure a backup copy job in pruning mode and have it copy data every day, starting at midnight, to a repository on the second site

**Answer:** B

#### Explanation:

<https://www.running-system.com/veeam-version-10-favorite-features-immediate-copy-mirroring/>

#### NEW QUESTION 87

- (Exam Topic 2)

Which of the following options describe the Veeam Data Mover Service function most accurately? Choose two options.

- A. Analyzes the system and installs and upgrades necessary components and services, depending on the role selected for the server
- B. Copies VM files
- C. Reduces load on the network and helps speed up restores
- D. Performs data compression, deduplication and data transfer

**Answer:** BD

#### NEW QUESTION 89

- (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 93

- (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 96

- (Exam Topic 2)

Which of the following statements are true regarding backup copy jobs in Veeam Backup & Replication? (Choose two.)

- A. The backup copy job creates a forever forward incremental backup chain
- B. The backup copy job creates a single file with multiple restore points included within for archival purposes
- C. During the backup copy job process, a VM snapshot is created for consistency
- D. Retention settings maintain the desired number of restore points as well as offer optional GFS for archival purposes
- E. Backup copy jobs copy entire VBK, VIB, or VRB files from the source backup repository to the target backup repository

**Answer:** AD

**Explanation:**

Reference: [https://helpcenter.veeam.com/docs/backup/vsphere/about\\_backup\\_copy.html?ver=100](https://helpcenter.veeam.com/docs/backup/vsphere/about_backup_copy.html?ver=100)

#### **NEW QUESTION 101**

- (Exam Topic 2)

What transport mode does the Linux backup proxy support?

- A. Automatic
- B. Network
- C. Direct storage access
- D. Virtual appliance

**Answer:** D

**Explanation:**

Reference: [https://helpcenter.veeam.com/docs/backup/vsphere/backup\\_proxy.html?ver=100](https://helpcenter.veeam.com/docs/backup/vsphere/backup_proxy.html?ver=100)

#### **NEW QUESTION 104**

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