

VEEAM

Exam Questions VMCE2021

Veeam Certified Engineer 2021



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 guide¹², 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 jobs¹².

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 process¹². The simplest configuration would be an immediate copy mode with WAN acceleration

NEW QUESTION 2

- (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

NEW QUESTION 3

- (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

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

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 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 guide¹, 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 points¹². 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 has decided to set up a VM backup job covering their Microsoft SQL servers. What feature must be enabled to ensure quiescence of the SQL databases during the backup?

- A. Enable Microsoft SQL server plug-in.
- B. Enable application-aware processing.
- C. Enable Microsoft Windows OS processing.
- D. Enable Microsoft SQL server agent on the VMs

Answer: B

Explanation:


According to the Veeam Agent for Microsoft Windows User Guide¹, you need to enable application-aware processing to ensure quiescence of the SQL databases during the backup. Application-aware processing allows Veeam Agent for Microsoft Windows to create transactionally consistent backups of SQL Server VMs.

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)

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

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

Answer: A

Explanation:

According to the Veeam Agent for Linux User Guide¹, you can use the Restore volumes option to perform bare metal recovery of your computer. However, this option requires you to boot from the Veeam Recovery Media and may take some time to complete.

Another option is to use Instant VM Recovery to VMware vSphere. This option allows you to run your Linux computer directly from a backup file as a VMware VM without restoring any data. This can significantly reduce your RTO and provide immediate access to your applications and data.

NEW QUESTION 10

- (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 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

NEW QUESTION 12

- (Exam Topic 1)

A backup job is configured as follows.

Mode	Forward incremental with weekly synthetic full
Start time	Every day at 20:00
Active full	Sunday
Restore points to keep	14 restore points
Time to finish job	1 hour
Job created	Friday, 13:00

How many full and incremental restore points will be in a repository on day 16 at 23:00?

- A. 3 full and 14 incremental
- B. 2 full and 12 incremental
- C. 3 full and 15 incremental
- D. 1 full and 13 incremental

Answer: B

NEW QUESTION 13

- (Exam Topic 1)

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

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

Answer: B

NEW QUESTION 18

- (Exam Topic 2)

Veeam Backup & Replication supports which of the following NetApp Data ONTAP modes?

- A. Only NatApp EDGE in 7-Mode
- B. Clustered Data ONTAP only
- C. Both 7-mode and Clustered Data ONTAP
- D. 7-mode only

Answer: C

NEW QUESTION 20

- (Exam Topic 2)

You fail back a VM replica to the original location. Which of the following requirements needs to be met to be able perform quick rollback during a failback of a replica?

- A. Perform failback to VM within the same subnet
- B. The VM replica must be created with the "Use Changed Block Tracking data" option enabled
- C. Indexing must be enabled for the original VM
- D. The VM replica must have access to the repository where the full backup of the VM resides

Answer: B

Explanation:

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

NEW QUESTION 25

- (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 30

- (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 35

- (Exam Topic 2)

A backup administrator has replicated a virtual machine between two Hyper-V hosts and now would like to automatically verify the recoverability of the replica. What would they need to do?

- A. It is not supported to perform SureBackup replica testing for Hyper-V
- B. Create a virtual switch with no uplinks and start the virtual machine connected to the new switch
- C. Create a virtual lab and an application group; create a SureBackup for the replica job and run it once a day
- D. Start the virtual machine manually using the universal application item recovery wizard

Answer: A

NEW QUESTION 39

- (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 42

- (Exam Topic 2)

What is the advantage to using the Veeam Advanced Data Fetcher during a backup job?

- A. Double I/O performance compared to the VMware VDDK
- B. Double deduplication performance compared to the VMware VDDK
- C. Fewer blocks of data have to be read during the backup job
- D. Less impact on the VM during the snapshot consolidation

Answer: A

NEW QUESTION 47

- (Exam Topic 2)

Select the correct description of a synthetic full backup.

- A. A synthetic full backup will generate a new VBK file by getting data from the hypervisor
- B. A synthetic full backup combines a VIB file with one or more VBK files from a repository to generate a new VBK file
- C. A synthetic full backup combines a VBK file with one or more VIB files from a repository to generate a new VBK file
- D. A synthetic full backup will update the existing VBK with data from the hypervisor and generate a new VRB file

Answer: A

Explanation:

Reference: https://helpcenter.veeam.com/docs/backup/hyperv/synthetic_full_backup.html?ver=100

NEW QUESTION 49

- (Exam Topic 2)

Which of the following is required to enable tape parallel processing?

- A. The source repository for the tape job is a scale out backup repository.
- B. The tape library has multiple drives.
- C. Two tape jobs are processed at the same time.

D. The tape drive has multiple tapes.

Answer: B

NEW QUESTION 53

- (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 56

- (Exam Topic 2)

Which is a prerequisite in order for the CRC check to be executed during a SureBackup Job?

- A. The .vbm file is corrupt.
- B. The Backup file integrity check option was enabled in the SureBackup job setting.
- C. One or more of the SureBackup recovery verification tests failed.
- D. The repository where the backup is stored is a shared folder (CIFS/SMB).

Answer: B

NEW QUESTION 58

- (Exam Topic 2)

A virtual machine in your environment has been hit by a virus. You need to restore the virtual machine as fast as possible. At the same time, you need to make sure that any dormant virus on the backed up virtual machine is detected. What restore method should you use when recovering to a new location?

- A. Instant VM Recovery with "staged restore"
- B. Instant VM Recovery with "secure restore"
- C. SureBackup
- D. Virtual disk restore

Answer: B

Explanation:

Reference: https://helpcenter.veeam.com/docs/backup/em/em_disk_restore.html?ver=100

NEW QUESTION 59

- (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 63

- (Exam Topic 2)

Veeam is used for replicating VMware VMs. The production environment is comprised of two networks: 192.168.1.0/24 and 172.16.0.0/16. A web application requires a database server (whose IP address is 172.21.1.12) to receive queries from a web client (whose IP address is 192.168.1.32). The replicas are spread over multiple hosts. A backup administrator needs to configure a virtual lab to test a web client to database server query. Which of the following virtual lab types must be configured?

- A. Advanced multi-host
- B. Advanced single-host
- C. All virtual lab configurations would support that
- D. Basic single-host

Answer: B

NEW QUESTION 64

- (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 68

- (Exam Topic 2)

A backup administrator needs to restore two data drives to a VM where the operating system remains intact. The target machine must remain powered on. What recovery option is most appropriate to perform this operation?

- A. Instant VM Recovery
- B. Instant disk recovery
- C. Restore entire VM
- D. Restore VM files

Answer: B

Explanation:

https://helpcenter.veeam.com/docs/backup/vsphere/instant_disk_recovery.html?ver=100

NEW QUESTION 69

- (Exam Topic 2)

An Availability engineer has configured Veeam Backup & Replication to replicate a mission critical VM to a DR site on an hourly basis and with 24 restore points. The production site has suffered a storage failure and needs to bring up the mission critical machine as soon as possible. Which step should the Availability engineer do next?

- A. Create a failover plan
- B. Failover to the replica VM
- C. Failback of the replica VM
- D. Planned failover to me replica VM

Answer: B

NEW QUESTION 72

- (Exam Topic 2)

A company has outgrown their current data center and plans to use the second data center as the new primary and needs to migrate their workloads. They are running VMware in both data centers. Which steps would allow this migration to occur without any data loss?

- A. * 1. Replication job * 2. Failover plan * 3. Permanent failover
- B. * 1. Backup job* 2. Instant VM Recovery* 3. Finalize the Instant VM Recovery
- C. * 1. Replication job * 2. Failback * 3. Commit failback
- D. * 1. Replication job* 2. Planned failover* 3. Permanent failover

Answer: D

Explanation:

https://helpcenter.veeam.com/docs/backup/vsphere/planned_failover.html?ver=100

NEW QUESTION 75

- (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 76

- (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 81

- (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

NEW QUESTION 85

- (Exam Topic 2)

A company needs to recover a domain controller from a backup file they have on premises which was created by the Veeam Agent for Microsoft Windows. Which of the following would provide the fastest access to the domain controller?

- A. Use the Veeam Explorer for Active Directory to recover the domain controller
- B. Perform an Instant VM Recovery to recover the domain controller to a VM on their VMware host
- C. Perform a bare metal recovery of their domain controller back to the original system
- D. Recover the domain controller to an AWS EC2 instance using the restore to Amazon EC2

Answer: B

Explanation:

Reference: <https://www.veeam.com/blog/how-to-recover-a-domain-controller-best-practices-for-ad-protection.html>

NEW QUESTION 88

- (Exam Topic 2)

Which of the following actions generated the data recommended when raising a technical support case regarding a failed Veeam Backup & Replication job?

- A. Export the license file from the configuration options in Enterprise Manager
- B. Generate a zip of log files using the Support Information function
- C. Take a Veeam Zip of the VMs involved in the failed job
- D. Manually run a Veeam configuration backup to generate a new .bco file

Answer: B

NEW QUESTION 90

- (Exam Topic 2)

A NAS backup job has been configured within Veeam Backup & Replication, and is completing successfully, but restore operations have been failing for the last few days. What is causing the failure?

- A. The backup repository is sealed
- B. The server was added by using an IQN alias which is unable to be resolved
- C. The credentials added to the share are not allowed read-write access to the share, directories or files
- D. The cache repository assigned for this file share is unavailable for restore operations

Answer: C

Explanation:

If you must specify user credentials to access the shared folder, select the This share requires access credentials check box. From the Credentials drop-down list, select a credentials record for a user account that has Full Control permissions on the shared folder. To access the SMB share, you must use an account that meets either of the following requirements: If you only plan to back up the share, you can use an account with read-only permissions. If you plan not only to back up the share, but also to restore files to it, use an account with read/write permissions.

https://helpcenter.veeam.com/docs/backup/vsphere/file_share_backup_smb_share_path_credentials.html?ver=1

NEW QUESTION 93

- (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 98

- (Exam Topic 2)

which actions can be used to locate the exact extent of a scale-out backup repository containing a particular VM's backup data? Choose two options.

- A. Check scale out backup repository settings
- B. Check the specific VM in the job statistics
- C. Check the inventory view for the specific VM
- D. Open the extent repositories manually
- E. Check backup proxy settings

Answer: AB

NEW QUESTION 100

- (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 105

- (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 107

- (Exam Topic 2)

Which of these repository types CANNOT be an extent of a scale-out backup repository? Choose two options.

- A. A deduplicating storage appliance
- B. A Windows server
- C. A Cloud Connect cloud repository
- D. A shared folder (CIFS/SMB share)
- E. Another scale out repository
- F. A Linux Server

Answer: CE

NEW QUESTION 108

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