



VEEAM

Exam Questions VMCE2021

Veeam Certified Engineer 2021

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NEW QUESTION 1

- (Exam Topic 1)

Veeam ONE _____ can detect when a potential ransomware attack is happening and be configured to take mitigating actions.

- A. Reporting
- B. Alert Management
- C. Alarm Management
- D. Data Protection View

Answer: C

Explanation:

Veeam ONE can help notify you of suspicious activity in your datacenter through the Possible Ransomware Activity alarm. This alarm can be configured to take mitigating actions such as sending an email notification, running a script or creating a support case.

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 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 3

- (Exam Topic 1)

A company needs to recover a VM from VMware very quickly. The company decides to use Instant VM Recovery from their last backup. What platforms can this backup be instantly restored to? (Choose three.)

- A. Azure
- B. Hyper-V
- C. AWS
- D. GCP
- E. AHV
- F. VMware

Answer: BEF

NEW QUESTION 4

- (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 5

- (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 points². 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 6

- (Exam Topic 1)

A Windows VM running on Microsoft Hyper-V is protected using the file indexing option. The guest interaction proxy is offline. Which of the following Veeam servers will be used to deploy the runtime during the backup process?

- A. Backup & Replication server
- B. Indexing database server
- C. File proxy server
- D. Virtual lab server

Answer: A

Explanation:

https://helpcenter.veeam.com/archive/backup/110/hyperv/guest_interaction_proxy.html

According to the Veeam Software Help Center¹, Veeam Backup & Replication deploys runtime components on a VM guest OS to perform file indexing. These components can be either non-persistent or persistent depending on whether you have enabled application-aware processing for the VM.

If you have enabled application-aware processing for the VM, Veeam Backup & Replication uses a persistent agent component that is installed on the VM guest OS during backup job session and remains on the VM after that. In this case, if the guest interaction proxy is offline, Veeam Backup & Replication will use another available guest interaction proxy or fail over to the backup server.

If you have not enabled application-aware processing for the VM, Veeam Backup & Replication uses a non-persistent runtime component that is deployed on the fly and removed after indexing is complete. In this case, if the guest interaction proxy is offline, Veeam Backup & Replication will use another available guest interaction proxy or fail over to the backup server.

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)

Which feature can be used in Veeam Explorer for Oracle database?

- A. Recover from litigation and in-place hold items
- B. Restore original password for account objects
- C. Restore databases from backups created with Veeam RMAN plug-in
- D. Export to .BAK file

Answer: C

Explanation:

According to the Veeam Backup Explorers Guide¹, Veeam Explorer for Oracle allows you to restore and export Oracle databases and Data Guard from backups created by Veeam Backup & Replication or Veeam Plug-in for Oracle RMAN.

NEW QUESTION 9

- (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 10

- (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?

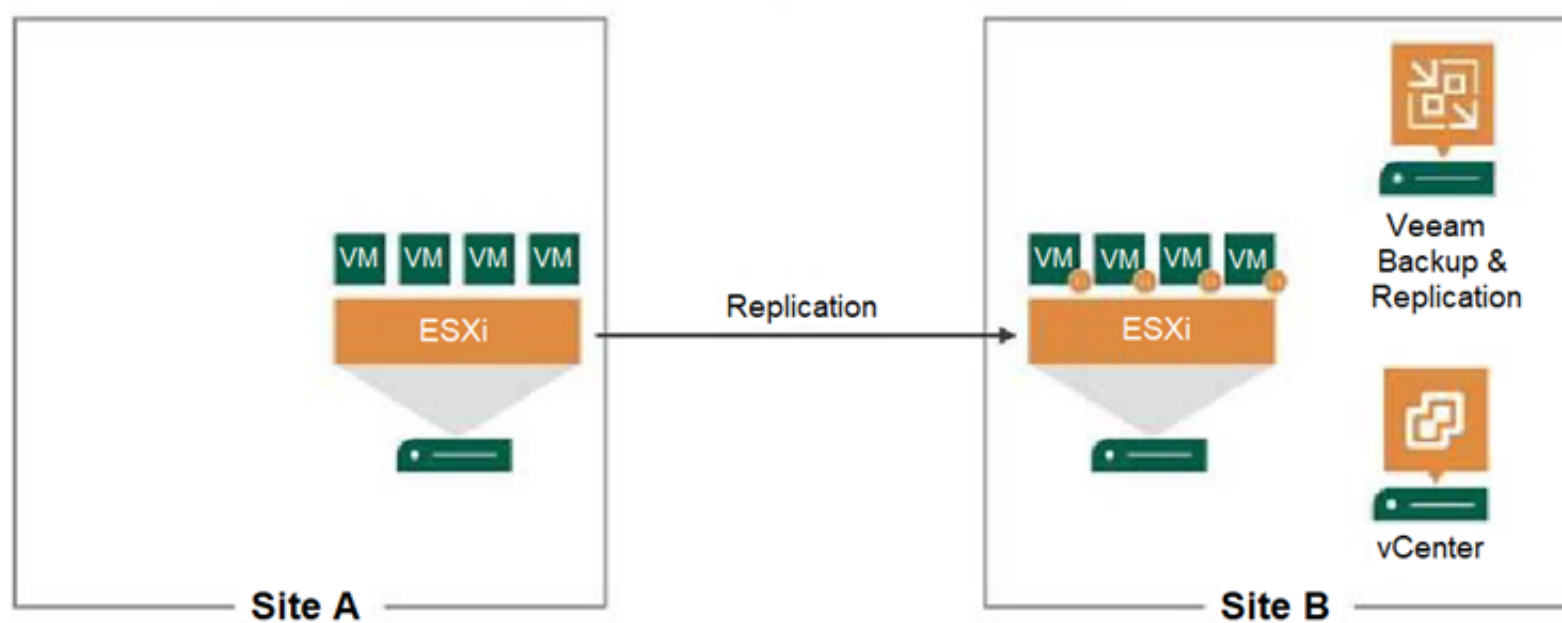
- A. 3 full and 14 incremental
- B. 2 full and 12 incremental
- C. 3 full and 15 incremental
- D. 1 full and 13 incremental

Answer: B

NEW QUESTION 13

- (Exam Topic 1)

Due to an unexpected power outage, Site A is completely down. The disaster recovery strategy was implemented (see diagram). What is the correct way to start replicated VMs on Site B, while ensuring you can failback after Site A comes back online?



- A. Execute "Permanent failover" from vCenter.
- B. Execute "Planned failover".
- C. Power on VMs manually through vCenter.
- D. Perform "Failover".

Answer: D

NEW QUESTION 18

- (Exam Topic 1)

Veeam Agent for Linux has been installed in standalone mode on a Linux physical server. The backup job is configured to write to a Veeam repository. Which of the following media types is available as a recovery media?

- A. ISO image
- B. Veeam Backup & Replication repository
- C. Object storage
- D. Tape

Answer: A

Explanation:

According to the Veeam Agent for Linux User Guide¹, Veeam Agent for Linux lets you use the Veeam Recovery Media — a recovery image of the Linux OS that provides an alternative way to boot your computer. The recovery image is an ISO file that you can burn to a CD/DVD or write to a USB flash drive.

NEW QUESTION 21

- (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 25

- (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 26

- (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 31

- (Exam Topic 2)

What is the main purpose of the planned failover feature?

- A. Test the VM in a sandbox without impacting the production environment
- B. Proactively switch from running the regular VM to the replica VM
- C. Initiate a disaster recovery procedure when the main site is down
- D. Test a disaster recovery scenario without any downtime on the VM

Answer: B

Explanation:

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

NEW QUESTION 36

- (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 41

- (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 46

- (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 51

- (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 56

- (Exam Topic 2)

What additional metadata is captured when backing up vCloud Director VMs?

- A. vDC metadata
- B. Replica metadata
- C. vApp metadata
- D. Backup metadata

Answer: C

NEW QUESTION 58

- (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 62

- (Exam Topic 2)

A Veeam backup administrator, protecting all VMs in a VMware environment with backups and replicas, has been requested to run a multi-server application in an On-Demand Sandbox. The sandbox needs to stay powered on, uninterrupted, for 30 days while daily backups and replicas continue to run. How can this be done?

- A. Create an application group and leverage regular replica restore points as the source for the application group
- B. Create a (secondary) replication job for the required VMs that are not scheduled to run; create a SureBackup job and use these replicas as the source
- C. Create a (secondary) replication job for the required VMs that are not scheduled to run; make an application group and use these replicas as the source
- D. Create an application group and leverage regular backup restore points as the source for the application group

Answer: B

NEW QUESTION 67

- (Exam Topic 2)

Which Veeam Backup & Replication feature component is able to utilize Microsoft SQL Server transaction log backups for point-in-time restore?

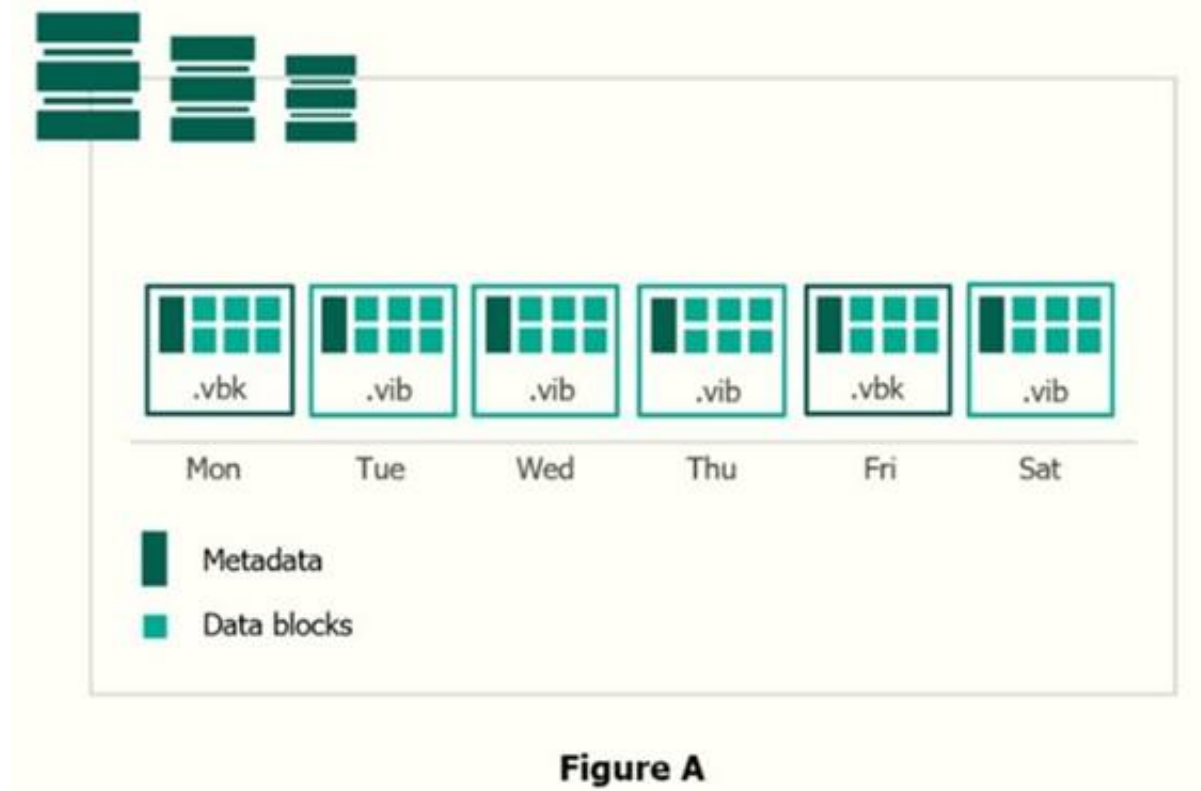
- A. U-AIR Microsoft SQL Recovery wizard
- B. Instant Recovery
- C. Full VM Restore
- D. Veeam Explorer for Microsoft SQL

Answer: D

NEW QUESTION 71

- (Exam Topic 2)

Figure A shows the backup files on a Scale-out Backup Repository (SOBR) created by a single Veeam backup job. The SOBR is configured to offload to capacity tier in move mode. If the offload was completed successfully, what will remain on the performance extents for the files uploaded to the capacity tier?



- A. VIB files (metadata and data)
- B. VBM files (metadata only)
- C. VIB and VBK files (metadata only)
- D. VBK files (metadata and data)
- E. VIB and VBK files (data blocks only)

Answer: C

NEW QUESTION 72

- (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 76

- (Exam Topic 2)

Which of the following statements regarding bottleneck statistics is true?

- A. The percentages displayed will always add up to 100% in total.
- B. The bottleneck statistics are only displayed when you have a problem in your backup infrastructure.
- C. Bottleneck statistics can show the following states: Source/Proxy/Network/Source WAN Accelerator/Target WAN Accelerator/Target/None
- D. Bottleneck statistics can show the following states: Source/Proxy/Network/Source WAN Accelerator/Target WAN Accelerator/Target

Answer: A

NEW QUESTION 80

- (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 82

- (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

NEW QUESTION 87

- (Exam Topic 2)

Which of the following Veeam Backup & Replication jobs can utilize storage snapshots on VMware vSphere? Choose two options.

- A. Replication
- B. Backup copy
- C. VeeamZIP
- D. Backup
- E. Tape
- F. VM copy

Answer: AD

NEW QUESTION 89

- (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 93

- (Exam Topic 2)

Veeam Explorer for Microsoft SQL Server offers which of the following capabilities? Choose Three options.

- A. Restore SQL user accounts
- B. Export an SQL database to an .sql file
- C. Send SQL tables as attachments via email
- D. Publish an SQL database without having to restore them
- E. Restore an SQL table to the original server or different server
- F. Export an SQL database to a local folder or network drive

Answer: DEF

NEW QUESTION 94

- (Exam Topic 2)

You want to deploy an On-Demand Sandbox. While creating the application group, which sources can be used to add virtual machines to the Application Group? (Choose three.)

- A. Backup Copy in Backup repository
- B. Replica on non-Cloud Connect VMware vSphere host
- C. Replica on Cloud Connect VMware vSphere host
- D. Backup in Cloud Repository
- E. Storage Shapshot
- F. Backup on Backup Repository

Answer: BEF

NEW QUESTION 97

- (Exam Topic 2)

You use datastores as the source for your backup jobs. Some VM backups are consuming too much repository disk space. They have backup files created by multiple backup jobs. What could be the reason? (Choose two.)

- A. VMware Storage DRS (Distributed Resource Scheduler) moved VMs to different datastores
- B. Jobs are configured as per VM and these particular VM's need more fulls
- C. VM retention is set to do full backups more often than others in the job
- D. The VM is in a backup chain and trapped inside a single retention file
- E. The VMs were moved to different datastores manually

Answer: BE

NEW QUESTION 101

- (Exam Topic 2)

Which Veeam Backup & Replication functionality allows a VM to be powered on directly from a backup file?

- A. Planned failover
- B. Instant VM Recovery
- C. Item-Level Recovery using Veeam Explorer
- D. Full VM Recovery

Answer: B

NEW QUESTION 106

- (Exam Topic 2)

Which of the following is an additional database restore option in the Veeam Explorer for Microsoft SQL?

- A. RECOVERY
- B. NORECOVERY
- C. SIMPLE
- D. ACTIVE

Answer: A

NEW QUESTION 111

- (Exam Topic 2)

Which of the following scenarios properly applies the 3-2-1 rule to backup jobs?

- A. Use a backup job to back up to a Scale-out Backup Repository configured with capacity tier using AWS S3 and enable move mode
- B. Use a backup job to back up to a local repository; perform a backup copy job to a repository in another location
- C. Use backup jobs to back up directly to tape; ship the tapes off site
- D. Use a backup job to back up to a local repository; perform a backup copy job to the same repository

Answer: D

NEW QUESTION 112

- (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 117

- (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

NEW QUESTION 119

- (Exam Topic 2)

Which of the following services are installed on every Veeam backup proxy server? Choose two options.

- A. Veeam Installer Service
- B. Veeam Backup Service

- C. Veeam Data Mover Service
- D. Veeam Distribution Service
- E. Veeam Backup Catalog Service

Answer: AC

Explanation:

Refer to https://helpcenter.veeam.com/docs/backup/vsphere/backup_proxy.html?ver=100

NEW QUESTION 124

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