

## Exam Questions 2V0-21.23

VMware vSphere 8.x Professional

<https://www.2passeasy.com/dumps/2V0-21.23/>



### NEW QUESTION 1

What are two uses cases for VMware Tools? (Choose two.)

- A. Time synchronization with an NTP server
- B. Direct deployment of the Aria Automation Config minion
- C. Share folders between ESXi hosts and guest OS file systems
- D. Ability to shut down a virtual machine remotely
- E. Support for unsupported network device drivers

**Answer:** CD

#### Explanation:

<https://www.stevenbright.com/2022/03/deploy-salt-minions-automatically-using-vmware-tools/>

Two use cases for VMware Tools are direct deployment of the Aria Automation Config minion and ability to shut down a virtual machine remotely. Direct deployment of the Aria Automation Config minion is a feature that allows the administrator to deploy a configuration management agent to a virtual machine using VMware Tools. This feature enables automation and orchestration of virtual machine configuration tasks. Ability to shut down a virtual machine remotely is a feature that allows the administrator to gracefully power off a virtual machine from the vSphere Client or other VMware products. This feature requires VMware Tools to be installed and running on the guest operating system. References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vmwaretools.doc/GUID-28C39A00-74>

### NEW QUESTION 2

An administrator has been notified that a number of hosts are not compliant with the company policy for time synchronization.

The relevant portion of the policy states:

- All physical servers must synchronize time with an external time source that is accurate to the microsecond. Which step should the administrator take to ensure compliance with the policy?

- A. Ensure that each vCenter Server Appliance is configured to use a Network Time Protocol (NTP) source.
- B. Ensure that each ESXi host is configured to use a Precision Time Protocol (PTP) source.
- C. Ensure that each ESXi host is configured to use a Network Time Protocol (NTP) source.
- D. Ensure that each vCenter Server Appliance is configured to use a Precision Time Protocol (PTP) source.

**Answer:** B

#### Explanation:

To comply with the policy of synchronizing time with an external source that is accurate to the microsecond, the administrator needs to ensure that each ESXi host is configured to use a PTP source, which provides higher accuracy than NTP.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-F7DF1DD3-E3>

### NEW QUESTION 3

An administrator is responsible for performing maintenance tasks on a vSphere cluster. The cluster has the following configuration:

. Identically configured vSphere ESXi hosts (esx01, esx02, esx03 and esx04)

- All workloads are deployed into a single VMFS datastore provided by the external storage array
- vSphere High Availability (HA) has not been enabled
- vSphere Distributed Resource Scheduler (DRS) has not been enabled Currently, a critical production application workload (VM1) is running on esx01.

Given this scenario, which two actions are required to ensure VM1 continues to run when esx01 is placed into maintenance mode? (Choose two.)

- A. Fully automated DRS must be enabled on the cluster so that VM1 will be automatically migrated to another host within the cluster when esx01 is placed into maintenance mode.
- B. VM1 must be manually shut down and cold migrated to another host within the cluster using vSphere vMotion before esx01 is placed into maintenance mode.
- C. vSphere HA must be enabled on the cluster so that VM1 will be automatically migrated to another host within the cluster when esx01 is placed into maintenance mode.
- D. VM1 must be manually live migrated to another host within the cluster using vSphere vMotion before esx01 is placed into maintenance mode.
- E. VM1 must be manually migrated to another host within the cluster using vSphere Storage vMotion before esx01 is placed into maintenance mode.

**Answer:** AD

#### Explanation:

Two actions that are required to ensure VM1 continues to run when esx01 is placed into maintenance mode are enabling fully automated DRS on the cluster, which allows balancing the workload across hosts and migrating VMs without user intervention; and manually live migrating VM1 to another host within the cluster using vSphere vMotion, which allows moving a running VM without downtime.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-F01B2F12-C5BB-> <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-F01B2F12-C5B>

### NEW QUESTION 4

An administrator is tasked with looking into the disaster recovery options for protecting a database server using VMware vSphere Replication.

The following requirements must be met:

- The virtual machine must remain online during the protection.
- The virtual machine's snapshots must be used as part of the replication process. Which step must the administrator complete to accomplish this task?

- A. Configure the virtual machine storage policy.
- B. Enable guest OS VSS quiescing for this virtual machine.
- C. Perform a full initial synchronization of the source virtual machine to the target location.
- D. Configure network traffic isolation for vSphere Replication.

**Answer:** C

**Explanation:**

<https://docs.vmware.com/en/vSphere-Replication/8.7/com.vmware.vsphere.replication-admin.doc/GUID-C2493>

**NEW QUESTION 5**

An administrator manages VM templates and ISO images for a remote office. Their main requirements are to store these templates in a single repository and manage different versions of the templates.

What solution should the administrator deploy to meet these requirements?

- A. A subscribed content library
- B. A local content library
- C. A vSAN datastore
- D. A shared VMFS datastore

**Answer:** B

**Explanation:**

<https://4sysops.com/archives/how-to-create-a-vmware-content-library/#:~:text=A%20VMware%20content%20l>

**NEW QUESTION 6**

An administrator is tasked with configuring vSphere Trust Authority. The administrator has completed the following steps:

- Set up the workstation
- Enabled the Trust Authority Administrator
- Enabled the Trust Authority State
- Collected information about the ESXi hosts and vCenter to be trusted Which step does the administrator need to complete next?

- A. Import the Trusted Host information to the Trust Authority Cluster
- B. Import the Trusted Cluster information to the Trusted Hosts
- C. Create the Key Provider on the Trusted Cluster
- D. Import the Trusted Host information to the Trusted Cluster

**Answer:** A

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/images/GUID-D205B3C1> <https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-security/GUID-39D8AB34-AD45-4B0A-8FB0-7A1>

**NEW QUESTION 7**

An administrator is tasked with installing VMware vCenter. The vCenter Server Appliance must support an environment of:

- 400 hosts
- 4000 virtual machines

Which two resources must be allocated, at a minimum, to meet the requirements? (Choose two.)

- A. 16 vCPUs
- B. 30 GB Memory
- C. 4 vCPUs
- D. 8 vCPUs
- E. 20 GB Memory

**Answer:** BD

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-88571D8A-46E1-464>

**NEW QUESTION 8**

An administrator notices a performance issue in VMvware vCenter To try and understand more about the performance issue, the administrator needs to gather more information about the vCenter database to eliminate a potential disk space issue.

Which two tools can the administrator use? (Choose two.)

- A. vCenter Management Interface (VAMI)
- B. Perfmon
- C. df
- D. esxtop
- E. vSphere Client

**Answer:** AC

**Explanation:**

<https://kb.vmware.com/s/article/76563>

**NEW QUESTION 9**

An administrator is tasked with configuring remote direct memory access (RDMA) over Converged Ethernet v2 (RoCE v2).

Which two types of adapters must the administrator configure? (Choose two.)

- A. Paravirtual RDMA adapter
- B. RDMA network adapter
- C. Software iSCSi adapter
- D. Fibre Channel over Ethernet (FCoE) adapter

E. Software NVMe over RDMA storage adapter

**Answer:** BD

**Explanation:**

ESXi 7 and later supports RoCE v2 technology, which enables RDMA over an Ethernet network. Hosts use an RDMA network adapter installed on the host and a software NVMe over RDMA storage adapter.

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-storage/GUID-F4B42510-9E6D-4446-816A-501286>

**NEW QUESTION 10**

An administrator is investigating reports of users experiencing difficulties logging into a VMware vCenter instance using LDAP accounts. Which service should the administrator check as part of troubleshooting?

- A. vSphere Authentication Proxy Service
- B. Lookup Service
- C. Identity Management Service
- D. VMware Authentication Framework Daemon

**Answer:** C

**Explanation:**

Identity Management Service is the service that handles authentication requests from LDAP accounts and other identity sources in vCenter Server.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-FE1D5F2E-E3AC-4D>

**NEW QUESTION 10**

An administrator runs a two-node vSphere cluster, which contains two domain controller virtual machines (VMs). The administrator wants to ensure that VMs run on separate hosts without interfering with normal maintenance operations.

How should the administrator configure Distributed Resource Scheduler (DRS)?

- A. Create a 'Must run Virtual Machines to Hosts' anti-affinity rule.
- B. Create a 'Virtual Machines to Virtual Machines' anti-affinity rule.
- C. Create a 'Virtual Machines to Virtual Machines' dependency rule.
- D. Create a 'Should run Virtual Machines to Hosts' anti-affinity rule.

**Answer:** D

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-793013E2-0976-4>

**NEW QUESTION 11**

After a recent unexplained peak in virtual machine (VM) CPU usage, an administrator is asked to monitor the VM performance for a recurrence of the issue. Which two tools can the administrator use? (Choose two.)

- A. vCenter Management Interface
- B. Direct Console User Interface (DCUI)
- C. vSphere Performance Charts
- D. vCenter Command Line Interface
- E. ESXi Shell

**Answer:** CE

**Explanation:**

To monitor the VM performance for a recurrence of the issue, the administrator can use vSphere Performance Charts, which provide graphical views of various performance metrics for VMs and other objects; or ESXi Shell, which provides command-line access to ESXi hosts and allows running various commands to collect performance data.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.monitoring.doc/GUID-D89E8267-C74> <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.monitoring.doc/GUID-CDC20FD2-FE>

**NEW QUESTION 16**

Which four elements can a vSphere Lifecycle Manager image contain? (Choose four.)

- A. ESXi base image
- B. ESXi configuration
- C. Vendor agents
- D. Vendor add-ons
- E. BIOS updates
- F. Firmware and drivers add-on
- G. Independent components

**Answer:** ADFG

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-lifecycle-manager/GUID-9A20C2DA-F45F-4C9B-9> A vSphere Lifecycle Manager image can consist of the following four elements:

ESXi base image

The base image contains an image of VMware ESXi Server and additional components, such as drivers and adapters that are necessary to boot a server. The

base image is the only mandatory element in a vSphere Lifecycle Manager image. All other elements are optional.

Vendor add-on

The vendor add-on is a collection of software components that OEMs create and distribute. The vendor add-on can contain drivers, patches, and solutions.

Firmware and drivers add-on

The firmware and drivers add-on is a special type of vendor add-on designed to assist in the firmware update process. The firmware and drivers add-on contains firmware for a specific server type and corresponding drivers. To add a firmware and drivers add-on to your image, you must install the hardware support manager plug-in provided by the hardware vendor for the hosts in the respective cluster.

Independent components

The component is the smallest discrete unit in an image. The independent components that you add to an image contain third-party software, for example drivers or adapters.

#### NEW QUESTION 18

An administrator wants to use tag-based placement rules on their virtual machine disks using VMware vCenter.

Which option would allow the administrator to achieve this?

- A. Storage Policy Based Management
- B. Storage I/O Control
- C. vSphere Storage APIs for Storage Awareness (VASA)
- D. vSphere Distributed Resource Scheduler (DRS)

**Answer:** A

**Explanation:**

<https://vnote42.net/2020/01/15/vcenter-tag-based-vm-placement/>

#### NEW QUESTION 19

An administrator must gracefully restart a virtual machine (VM) through the vSphere Client but the option is greyed out. The administrator has full administrative access on VMware vCenter and all the objects available in vCenter, but has no access to log onto the operating system.

Which action should the administrator take to meet the objective?

- A. Upgrade the virtual hardware
- B. Migrate the VM to another host
- C. Install VMware Tools
- D. Restart vCenter

**Answer:** C

**Explanation:**

Installing VMware Tools will enable the graceful restart option for the virtual machine, as well as other features such as time synchronization and guest OS customization.

References:

[https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-9A5093A5-C54](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-9A5093A5-C54)

#### NEW QUESTION 20

What is the minimum network throughput in Gb/s for vSAN using the Express Storage Architecture (ESA)?

- A. 50
- B. 25
- C. 1
- D. 10

**Answer:** D

**Explanation:**

<https://core.vmware.com/resource/vmware-vsan-design-guide#:~:text=Summary%20of%20Network%20Design>

#### NEW QUESTION 24

An administrator is planning to upgrade a VMware vCenter instance to version 8. It is currently integrated with the following solutions:

\* VMware Aria Automation

\* VMware Cloud Director

Which tool can the administrator use to run Interoperability reports before the upgrade process?

- A. sphere Update Manager
- B. VMware Aria Suite Lifecycle
- C. vCenter Server Update Planner
- D. vSphere Lifecycle Manager

**Answer:** C

**Explanation:**

The tool that can be used to run interoperability reports before upgrading a vCenter Server instance is vCenter Server Update Planner, which allows checking compatibility with other VMware products.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.upgrade.doc/GUID-C3FFBF62-D6BF>

#### NEW QUESTION 26

An administrator has a host profile named Standard-Config. The administrator wants to change the other host profiles to use only the storage configuration settings that are defined in the Standard-Config host profile.



What should the administrator do to make this change?

- A. Export host customizations and import them to the other host profiles.
- B. Copy the storage settings from Standard-Config to all other host profiles.
- C. Duplicate the Standard-Config host profile and only modify the storage configuration settings.
- D. Export the Standard-Config host profile and attach it to the other hosts.

**Answer:** B

**Explanation:**

Option B is correct because it allows the administrator to copy the storage settings from Standard-Config host profile to all other host profiles without affecting other settings. Option A is incorrect because it only exports host customizations and not host profile settings. Option C is incorrect because it creates a new host profile instead of modifying the existing ones. Option D is incorrect because it attaches the Standard-Config host profile to the other hosts instead of changing their host profiles. References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-F1A1D1D0-D6>

**NEW QUESTION 30**

An administrator is completing the configuration of a new vSphere cluster and has enabled vSphere High Availability (HA) and vSphere Distributed Resource Scheduler (DRS).

After adding the ESXi hosts to the cluster, which networking information will the administrator be prompted to provide when using the Cluster Quickstart workflow?

- A. vMotion networking
- B. Management networking
- C. vSAN networking
- D. Virtual machine networking

**Answer:** A

**Explanation:**

<https://core.vmware.com/resource/cluster-quickstart#section1>

**NEW QUESTION 34**

An administrator is preparing for a deployment of a new vCenter Server Appliance. The following information has been provided to complete the deployment:

- ESXi Host name (FQDN): esx01.corp.local . ESXi IP Address: 172.20.10.200
- vCenter Server Name (FQDN): vcса01.corp.local
- vCenter Server IP Address: 172.20.10.100
- NTP Server: 172.20.10.20
- DNS Server: 172.20.10.1
- Deployment Size: Tiny
- Storage Size: Default

Which two actions must the administrator complete before starting the installation of the vCenter Server Appliance? (Choose two.)

- A. Create a DNS CNAME record for the vCenter Server (vcса01.corp.local)
- B. Create a DNS CNAME record for the ESXi Host server (esx01.corp.local)
- C. Create a reverse DNS A record for the vCenter Server (vcса01).
- D. Create a reverse DNS A record for the ESXi Host server (esx01)
- E. Create a forward DNS A record for the vCenter Server (vcса01).

**Answer:** CE

**Explanation:**

The administrator must create a forward DNS A record for the vCenter Server (vcса01), which maps the FQDN of the vCenter Server to its IP address. The administrator must also create a reverse DNS A record for the ESXi Host server (esx01), which maps the IP address of the ESXi Host to its FQDN. These DNS records are required for name resolution and certificate validation during the deployment of the vCenter Server Appliance. References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-88571D8A-46E1-464>

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-vcenter-upgrade/GUID-752FCA83-1A9B-499E-9C6> If you plan to use an FQDN for the appliance system name, you must verify that the FQDN is resolvable by a DNS server, by adding forward and reverse DNS A records.

**NEW QUESTION 38**

An administrator needs better performance and near-zero CPU utilization from the ESXi hosts for networking functions and processing. The administrator creates a new vSphere Distributed Switch and enables network offloads compatibility.

Which solution would help achieve this goal?

- A. vSphere Distributed Services Engine
- B. Data Processing Units (DPUs)
- C. vSphere Network I/O Control
- D. Universal Passthrough version 2

**Answer:** B

**Explanation:**

The solution that would help achieve better performance and near-zero CPU utilization from the ESXi hosts for networking functions and processing is Data Processing Units (DPUs), which are specialized processors that offload network services from the CPU and provide hardware acceleration.

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-41AB1101-D943-490A-BF1A-E>

**NEW QUESTION 41**

An administrator has a requirement to revert a running virtual machine to a previous snapshot after a failed attempt to upgrade an application. When the administrator originally took the snapshot, the following choices in the Take Snapshot dialog were made:

- Snapshot the virtual machine's memory = false
- Quiesce guest file system = false

What will be the result of the administrator selecting the ‘Revert to Latest Snapshot?’ option to return the virtual machine to a previous snapshot? (Choose two.)

- A. The virtual machine will be restored to the parent snapshot
- B. The virtual machine will be restored in a powered off state
- C. The virtual machine will be restored to the child snapshot
- D. The virtual machine will be restored in a powered on state
- E. The virtual machine will be restored in a suspended state

**Answer:** AB

**Explanation:**

[https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-3E1BB630-9223](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-3E1BB630-9223)

#### NEW QUESTION 46

An administrator is tasked with implementing a backup solution capable of backing up the Supervisor cluster, vSphere Pods, and persistent volumes. Which two solutions must be used to meet this requirement? (Choose two.)

- A. VMware vCenter
- B. Standalone Velero and Restic
- C. NSX-T Manager
- D. vSphere Host Client
- E. Velero Plugin for vSphere

**Answer:** BE

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-9816E07A-466C-451D-A>

#### NEW QUESTION 47

Which VMware offering will allow an administrator to manage the lifecycle of multiple vCenter Server instances in a single software as a service (SaaS)-based solution to help drive operational efficiency?

- A. VMware vSphere with Tanzu
- B. VMware Cloud Foundation
- C. VMware vSphere+
- D. VMware Aria Suite Lifecycle

**Answer:** C

**Explanation:**

VCF includes the management domain and multiple workload domains. While VCF does use LCM to manage vCenter lifecycle, it is on-prem only (for now) and is not SaaS based. That only leave vSphere+. See the video in this link about upgrading remote vCenters managed by vSphere+.

<https://www.vmware.com/products/vsphere/vsphere-plus.html>

#### NEW QUESTION 50

An administrator wants to allow a DevOps engineer the ability to delete Tanzu Kubernetes Grid (TKG) cluster objects in a vSphere Namespace. Which role would provide the minimum required permissions to perform this operation?

- A. Administrator
- B. Can View
- C. Owner
- D. Can Edit

**Answer:** D

**Explanation:**

The Can Edit role would provide the minimum required permissions to delete Tanzu Kubernetes Grid (TKG) cluster objects in a vSphere Namespace, as it allows creating, updating, and deleting objects within a namespace.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-C2E9B5C1-D6F1-4E9B>

#### NEW QUESTION 52

What is the role of vSphere Distributed Services Engine?

- A. Provide a live shadow Instance of a virtual machine (VM) that mirror, the primary VM to prevent data loss and downtime during outages
- B. Implement Quality of Service (QoS) on network traffic within a vSphere Distributed Switch
- C. Provide hardware accelerated data processing to boost infrastructure performance
- D. Redistribute virtual machines across vSphere cluster host affinity rules following host failures or during maintenance operations

**Answer:** C

**Explanation:**

The role of vSphere Distributed Services Engine is to provide hardware accelerated data processing to boost infrastructure performance by offloading network services from the CPU to the DPU.

References: <https://core.vmware.com/resource/whats-new-vsphere-8>

#### NEW QUESTION 53

An administrator decides to restore VMware vCenter from a file-based backup following a failed upgrade. Which interface should the administrator use to complete the restore?

- A. Direct Console User Interface (DCUI)
- B. vCenter Management Interface (VAMI)
- C. vSphere Client
- D. vCenter GUI Installer

**Answer:** D

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-vcenter-installation/GUID-F02AF073-7CFD-45B2-> You can use the vCenter Server appliance GUI installer to restore a vCenter Server to an ESXi host or a vCenter Server instance. The restore procedure has two stages. The first stage deploys a new vCenter Server appliance. The second stage populates the newly deployed vCenter Server appliance with the data stored in the file-based backup.  
<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-vcenter-installation/GUID-F02AF073-7CFD-45B2>

**NEW QUESTION 56**

What are three options an administrator can configure after creating a vSphere Namespace? (Choose three.)

- A. Backup schedule
- B. Certificates
- C. Storage policies
- D. Update policies
- E. Permissions
- F. Resource and Object limits

**Answer:** CEF

**Explanation:**

After creating a vSphere Namespace, three of the options that an administrator can configure are storage policies, which define how storage resources are allocated for objects within a namespace; permissions, which define who can access and manage objects within a namespace; and resource and object limits, which define how much CPU, memory, storage, and network resources can be consumed by objects within a namespace.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-C2E9B5C1-D6F1-4E9B>  
<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-with-tanzu-services-workloads/GUID-177C23C4-E>

**NEW QUESTION 61**

An administrator has configured Storage I/O Control (SIOC) on a Virtual Machine File System (VMFS) datastore.

- The datastore supports 30,000 IOPS
- Storage I/O Control has been set to manual
- Storage I/O Control is triggered when latency hits 30 ms
- The datastore contains 3 virtual machines (VMs)
- A gold tier VM
- A silver tier VM
- A bronze tier VM

Assuming the datastore latency does not exceed 29ms, what is the maximum number of IOPS the bronze tier VM is entitled to?

- A. A.-30,000
- B. 20,000
- C. 10,000
- D. 5,000

**Answer:** A

**Explanation:**

The bronze tier VM is entitled to 30,000 IOPS, which is the maximum number of IOPS that the datastore supports. Storage I/O Control (SIOC) does not limit the IOPS of any VM unless the datastore latency exceeds the threshold, which is 30 ms in this case. Therefore, as long as the datastore latency is below 29 ms, the bronze tier VM can use up to 30,000 IOPS. References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-7686FEC3-1FAC>

**NEW QUESTION 65**

An administrator needs to provide encryption for workloads within an existing vSphere cluster. The following requirements must be met:

- Workloads should be encrypted at rest.
- Encrypted workloads must automatically be encrypted during transit.
- Encryption should not require any specific hardware.

What should the administrator configure to meet these requirements?

- A. Encrypted vSphere vMotion
- B. Unified Extensible Firmware Interface (UEFI) Secure Boot
- C. Host Encryption
- D. VM Encryption

**Answer:** D

**Explanation:**

The feature that should be configured to provide encryption for workloads within an existing vSphere cluster without requiring any specific hardware is VM Encryption, which allows encrypting VMs at rest and during vMotion.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-F8F105EC-A6EA>

**NEW QUESTION 66**

An administrator is responsible for the management of a VMware vCenter instance that is currently experiencing performance issues. The administrator quickly



identifies that the CPU and memory utilization of vCenter is consistently over 80%. Upon further analysis, it seems that the vpxd process is contributing significantly to the performance issue.

A combination of which four steps should the administrator take to resolve the performance issues and ensure that a similar issue can be rectified without requiring downtime to vCenter moving forward? (Choose four.)

- A. Gracefully shut down vCenter using the vSphere Client.
- B. Enable CPU Hot Add on the vCenter virtual machine.
- C. Power on the vCenter Server Appliance using the vSphere Host Client.
- D. Enable CPU and Memory Hot Add on the vCenter virtual machine.
- E. Add additional CPU to the vCenter Server Appliance.
- F. Power on the vCenter Server Appliance using the vSphere Client.
- G. Enable Memory Not Add on the vCenter virtual machine.
- H. Add additional memory resources to the vCenter Server Appliance.

**Answer:** ACDE

**Explanation:**

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-8E7C1D6D-8E> <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-3B41119A-127> [https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-38F4D574-ADE](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-38F4D574-ADE)

**NEW QUESTION 69**

An administrator is working with VMware Support and is asked to provide log bundles for the ESXi hosts in an environment. Which three options does the administrator have? (Choose three.)

- A. Generate a combined log bundle for all ESXi hosts using the vCenter Management Interface.
- B. Generate a separate log bundle for each ESXi host using the vSphere Host Client.
- C. Generate a combined log bundle for all ESXi hosts using the vSphere Client.
- D. Generate a separate log bundle for each ESXi host using the vSphere Client.
- E. Generate a separate log bundle for each ESXi host using the vCenter Management Interface.
- F. Generate a combined log bundle for all ESXi hosts using the vSphere Host Client.

**Answer:** BCD

**Explanation:**

Option B, C and D are correct because they are valid methods to generate log bundles for individual or multiple ESXi hosts using different interfaces. Option A and E are incorrect because they are not possible options to generate log bundles for all ESXi hosts using the vCenter Management Interface. Option F is incorrect because it is not possible to generate a combined log bundle for all ESXi hosts using the vSphere Host Client. References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.troubleshooting.doc/GUID-9A94C3D1>

**NEW QUESTION 73**

An administrator needs to configure a content library solution based on the following information:

- A new corporate virtual machine (VM) template is created every month to include all of the latest patches.
  - The new VM template should be downloaded from the primary data center site (London) to two secondary data center sites (Tokyo and New York) as soon as possible.
  - There is limited disk space available at one of the secondary data center sites (Tokyo) due to an ongoing data center consolidation project.
- Which four steps should the administrator take to configure the content library solution before adding a VM template? (Choose four.)

- A. Create a new published content library in each secondary site
- B. Configure the New York subscribed content library to download content immediately.
- C. Configure the Tokyo subscribed content library to download content immediately
- D. Configure the Tokyo subscribed content library to download content when needed
- E. Create a new published content library at the primary site
- F. Configure the New York subscribed content library to download content when needed.
- G. Create a new subscribed content library in each secondary site

**Answer:** BDEG

**Explanation:**

The administrator should take these four steps to configure the content library solution before adding a VM template:

- Create a new published content library at the primary site, which allows the administrator to share the VM template with other sites.
  - Configure the New York subscribed content library to download content immediately, which ensures that the new VM template is downloaded from the primary site as soon as possible.
  - Configure the Tokyo subscribed content library to download content when needed, which saves disk space at the secondary site by downloading only the metadata of the VM template until it is deployed.
  - Create a new subscribed content library in each secondary site, which allows the administrator to subscribe to the published content library at the primary site and synchronize the VM template. References:
- [https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-E8E854D](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-E8E854D)

**NEW QUESTION 74**

An administrator is tasked with providing users access to objects within an existing VMware vCenter instance. The vCenter inventory has a single data center with one management vSphere cluster and five workload vSphere clusters.

The following requirements must be met for assigning the users access:

- Users must only be able to view all of the inventory objects associated with the management vSphere cluster.
- Users must be able to edit all of the inventory objects associated with the workload vSphere clusters. The administrator creates a custom role to provide the permissions needed to allow users to edit inventory

- objects.
- Which series of steps should the administrator complete to assign the custom role and provide the required level of access to users?
- Apply Global permissions to assign the Read Only role to the root vCenter object. Apply vCenter permissions to assign the custom role to the workload vSphere clusters and enable propagation.
  - Apply Global permissions to assign the Read Only role to the root vCenter object and enable propagation.
  - Apply vCenter permissions to assign the custom role to the workload vSphere clusters and enable propagation.
  - Apply Global permissions to assign the Read Only role to the root vCenter object and enable propagation.
  - Apply vCenter permissions to assign the custom role to the workload vSphere clusters.
  - Apply Global permissions to assign the Read Only role to the root vCenter object and enable propagation.
  - Apply vCenter permissions to assign the custom role to the workload vSphere clusters.

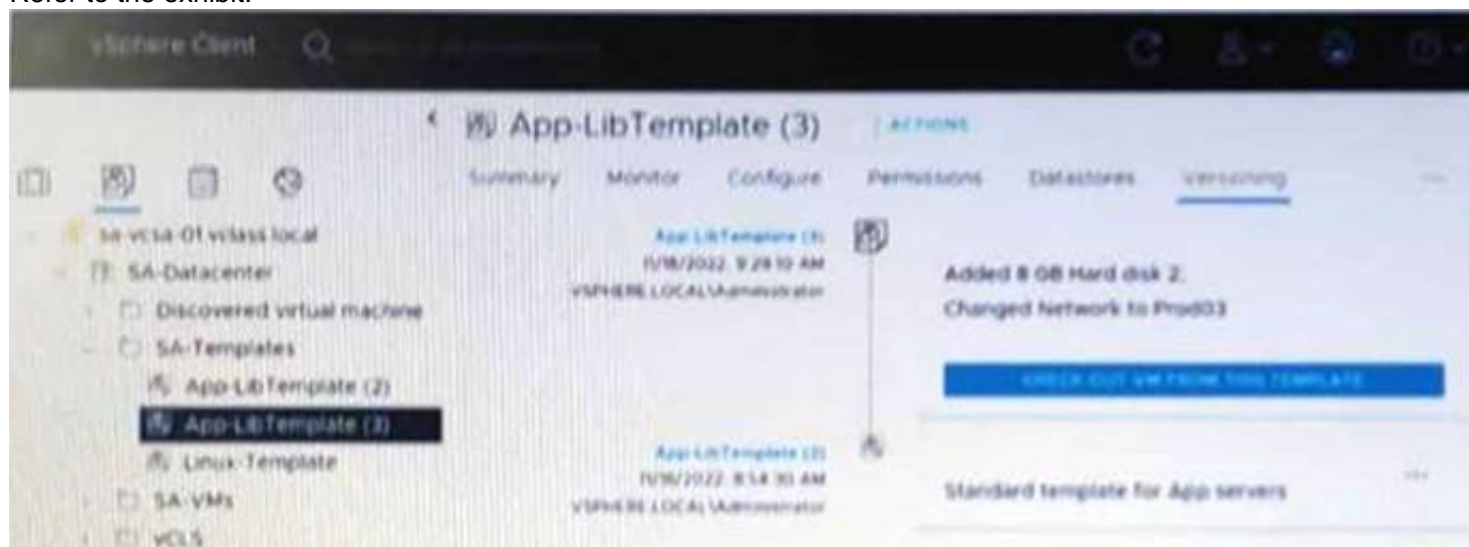
**Answer: D**

**Explanation:**

Option D is correct because it allows the administrator to apply Global permissions to assign the Read Only role to the root vCenter object and enable propagation, which will apply to all of the inventory objects in vCenter, and then apply vCenter permissions to assign the custom role to the workload vSphere clusters, which will override the Global permissions and allow users to edit all of the inventory objects associated with the workload vSphere clusters. Option A is incorrect because it will not enable propagation for the Global permissions, which will limit the Read Only role to the root vCenter object only. Option B is incorrect because it will enable propagation for both the Global and vCenter permissions, which will create a conflict between the Read Only and custom roles. Option C is incorrect because it will not enable propagation for either the Global or vCenter permissions, which will limit the Read Only role to the root vCenter object only and the custom role to the workload vSphere clusters only. References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-A2A4371A-B888>

**NEW QUESTION 79**

Refer to the exhibit.



Given the configuration shown in the exhibit, what must the administrator do to delete only the latest version of the template?

- Delete App-LibTemplate (3) from the SA-Templates folder.
- In the SA-template folder, rename App-Libtemplate (2) to App-LibTemplate
- Check out AppLibTemplate (3) and delete the template from the SA-Templates folder.
- Revert to APP-LibTemplate (2) and delete App-LibTemplate (3).

**Answer: D**

**Explanation:**

Option D is correct because it allows the administrator to delete only the latest version of the template by reverting to the previous version and then deleting the current version. Option A is incorrect because it deletes the entire template and not just the latest version. Option B is incorrect because it renames the previous version to the current version and does not delete anything. Option C is incorrect because it checks out the latest version and deletes it from the folder, but not from the library. References: [https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-9F9E3F8C-0E2](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-9F9E3F8C-0E2)

**NEW QUESTION 81**

An administrator has Windows virtual machines (VMs) and VMware Tools is installed in each VM. The administrator performs a status check of VMware Tools using vSphere Lifecycle Manager.

What is the VMware Tools status for the Windows VMs if the version of VMware Tools has a known problem and must be immediately upgraded?

- Version Unsupported
- Guest Managed
- Unknown
- Upgrade Available

**Answer: A**

**Explanation:**

If VMware Tools has a known problem, the tools status will be Version Unsupported <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere-lifecycle-manager.doc/GUID-12649CB>

**NEW QUESTION 82**

An administrator is required to configure several Microsoft Windows virtual machines (VMs) to support Secure Boot for a critical secure application. The following information is provided:

- The corporate security policy states that all forms of data encryption must utilize a key provider.
- The firmware of each VM is currently set to use Unified Extensible Firmware Interface (UEFI).
- Due to the nature of the application running within the VMs, the guest operating system for each VM is currently a minimum of Windows Server 2008 and

Windows 7.

Which security feature should the administrator implement to meet these requirements?

- A. vSphere Virtual Machine Encryption
- B. vSphere Visualization-Based Security
- C. Virtual Intel Software Guard Extensions (vSGX)
- D. Virtual Trusted Platform Module (vTPM)

**Answer:** D

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-security/GUID-6F811A7A-D58B-47B4-84B4-7339> A vTPM is a virtualized version of a physical TPM and is used to protect VMs and their data by tying the cryptographic functions to the hardware of the server on which the VMs are running<sup>12</sup>. This allows for secure boot, disk encryption, and other security features<sup>12</sup>. It also supports key providers, which is a requirement in this case<sup>12</sup>.

**NEW QUESTION 84**

A company has two sites: Site A and Site B. The administrator would like to manage the VMware vCenter inventories in both sites from a single vSphere Client session.

Which vCenter feature must be configured?

- A. VMware Certificate Authority
- B. VMware Site Recovery Manager
- C. vCenter Single Sign-On
- D. Enhanced Linked Mode

**Answer:** D

**Explanation:**

Option D is correct because it indicates that Enhanced Linked Mode must be configured to allow the administrator to manage the VMware vCenter inventories in both sites from a single vSphere Client session. Enhanced Linked Mode allows multiple vCenter Server instances to share information such as tags, licenses, roles, permissions, and policies. Option A is incorrect because VMware Certificate Authority is a service that provides certificates for vSphere components and does not affect inventory management. Option B is incorrect because VMware Site Recovery Manager is a solution that provides disaster recovery and business continuity for vSphere environments and does not affect inventory management. Option C is incorrect because vCenter Single Sign-On is a service that provides authentication and authorization for vSphere components and does not affect inventory management. References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-9F9E3F8C-0E2B-4B>

**NEW QUESTION 85**

After adding a new vSphere ESXi host with identical hardware configuration to an existing vSphere cluster, which task would an administrator complete prior to checking the compliance with an existing host profile?

- A. Attach the host profile to the new host
- B. Duplicate the host profile
- C. Copy the host settings from the new host
- D. Import the host profile

**Answer:** A

**Explanation:**

The task that should be completed prior to checking the compliance with an existing host profile is to attach the host profile to the new host, which allows applying the configuration template of the reference host to the new host.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-0E5BF330-A76> <https://www.nakivo.com/blog/how-to-create-and-set-up-vmware-vsphere-host-profiles/>

**NEW QUESTION 89**

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