

Exam Questions 2V0-21.23

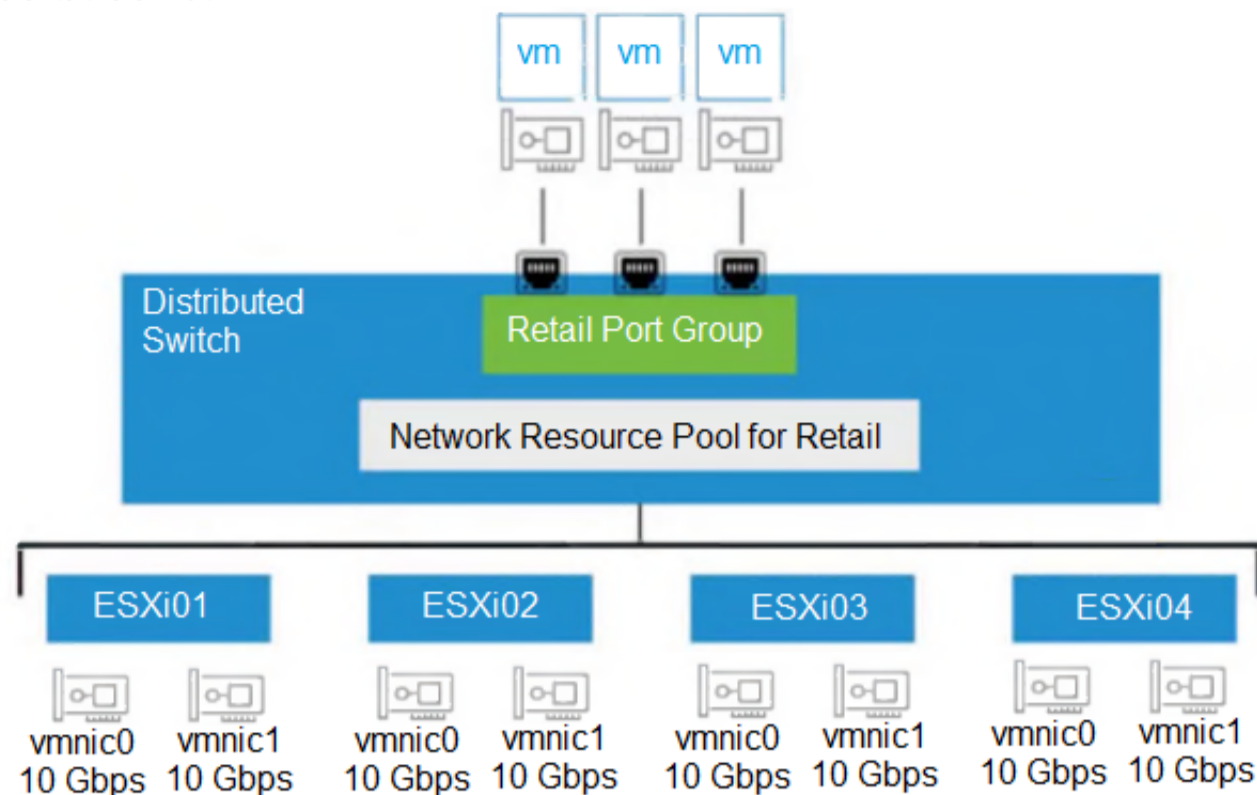
VMware vSphere 8.x Professional

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



NEW QUESTION 1

Refer to the exhibit.



An administrator set up the following configuration:

- The distributed switch has four ESXi hosts, and each host has two 10 Gbps NICs.
- In the Network I/O Control configuration, the amount of bandwidth reserved for virtual machine (VM) traffic is 4 Gbps.

The administrator wants to guarantee that VMs in the Retail distributed port group can access 50 percent of the available reserved bandwidth for VM traffic. Given this scenario, what should the size (in Gbps) of the Retail network resource pool be?

- A. 40
- B. 32
- C. 8
- D. 16

Answer: D

Explanation:

$4\text{Gbps} \times 8\text{Nic} = 32\text{Gbps} \times 50\% = 16\text{Gbps}$

NEW QUESTION 2

What are two use 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 3

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 4

Which three features are only available when using vSphere Distributed Switches instead of vSphere Standard Switches? (Choose three.)

- A. 802.1Q tagging
- B. Port mirroring
- C. Netflow
- D. Configuration backup and restore
- E. IPv6 support
- F. IPv4 support

Answer: BCD

Explanation:

Three features that are only available when using vSphere Distributed Switches instead of vSphere Standard Switches are port mirroring, which allows monitoring network traffic on a virtual switch port; Netflow, which allows collecting IP traffic information from a virtual switch; and configuration backup and restore, which allows saving and restoring distributed switch settings.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-D5960C77-0D1> <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-A59628EA-985> <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-E9EB9D18-692>

NEW QUESTION 5

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 6

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

NEW QUESTION 7

An administrator is preparing to perform an update to vSphere clusters that are running vSAN. The administrator wants to ensure that the following requirements are met as part of the update:

- All hosts in the cluster are updated with the same software.
- The firmware versions on the hosts are updated
- The new software versions are checked for compliance against the vSAN Hardware Compatibility List. Which three steps should the administrator take to meet these requirements? (Choose three.)

- A. Configure vSphere Lifecycle Manager with an image for the cluster.
- B. Register the vendor hardware management system as a vCenter Server extension.
- C. Download the firmware updates from the VMware website
- D. Download the firmware updates from the vendor website.
- E. Run a hardware compatibility check using vSphere Lifecycle Manager
- F. Configure vSphere Lifecycle Manager with a baseline for the cluster.

Answer: ABE

Explanation:

The administrator should take these three steps to perform an update to vSphere clusters that are running vSAN:

- Configure vSphere Lifecycle Manager with an image for the cluster, which allows the administrator to specify the desired ESXi version and firmware for the hosts in the cluster.
- Register the vendor hardware management system as a vCenter Server extension, which allows the administrator to update the firmware on the hosts using vSphere Lifecycle Manager. The vendor hardware management system can also provide the firmware updates to vSphere Lifecycle Manager, so there is no need to download them from the vendor website separately.
- Run a hardware compatibility check using vSphere Lifecycle Manager, which verifies that the new software and firmware versions are compatible with the vSAN Hardware Compatibility List.

NEW QUESTION 8

An administrator is attempting to configure Storage I/O Control (SIOC) on five datastores within a vSphere environment. The administrator is being asked to determine why SIOC configuration completed successfully on only four of the datastores. What are two possible reasons why the configuration was not successful? (Choose two.)

- A. The datastore contains Raw Device Mappings (RDMs).
- B. SAS disks are used for the datastore.
- C. The datastore has multiple extents.
- D. The datastore is using iSCSI.
- E. The administrator is using NFS storage.

Answer: AC

Explanation:

SIOC configuration may fail if the datastore contains RDMs or has multiple extents, as these are not supported by SIOC.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-FB3F5C5C-D3F6-4>

Storage I/O Control is supported on Fibre Channel-connected, iSCSI-connected, and NFS-connected storage. Raw Device Mapping (RDM) is not supported. Storage I/O Control does not support datastores with multiple extents.

NEW QUESTION 9

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 10

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

NEW QUESTION 10

After a number of outages within a production VMware software-defined data center, an administrator is tasked with identifying a solution to meet the following requirements:

- Reduce the risk of outages by proactively identifying issues with the environment and resolving them.
- Reduce the complexity of uploading log bundles when raising support tickets.

Which solution should the administrator recommend to meet these requirements?

- A. VMware Aria Operations for Logs
- B. VMware Skyline Advisor Pro
- C. VMware Skyline Health
- D. VMware Aria Operations

Answer: B

Explanation:

Skyline Advisor Pro is a self-service web application that enables you to receive proactive intelligence with new insights, accelerated analysis, and simplified design, within a web browser. To activate Skyline Advisor Pro, upgrade your Skyline Collector to Skyline Collector 3.0 or later versions. The solution that should be recommended to reduce the risk of outages by proactively identifying and resolving issues with the environment and reducing the complexity of uploading log bundles is VMware Skyline Health, which provides automated support and proactive recommendations for vSphere.

NEW QUESTION 13

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 16

An administrator needs to create affinity rules for the following vSphere cluster setup:

- The cluster contains two virtual machines (VMs) named app01 and app02.
- The cluster contains six hosts named esx11 through esx16.
- The app01 and app02 VMs run software that is licensed to run only on esx11, esx12, or esx13.
- vSphere Distributed Resource Scheduler (DRS) is configured

Which set of steps must the administrator perform to ensure that the licensing requirements are met for app01 and app02?

- A. * 1. Add all the hosts to a host group.* 2. Create a VM-VM anti-affinity rule for app01 and app02
- B. 1. Add the esx11 - esx13 hosts to a host group* 2. Create a VM-VM affinity rule for app01 and app02
- C. * 1 Add the VMs to a VM group and the esx11 - esx13 hosts to a host group.* 2 Create a VM-Host required rule between the VM group and the host group.
- D. * 1. Add the VMs to a VM group and the esx11 - esx13 hosts to a host group.* 2. Create a VM-Host preferential rule between the VM group and the host group

Answer: C

Explanation:

Add the VMs to a VM group and the esx11 - esx13 hosts to a host group, which allows the administrator to group together virtual machines or hosts that share common characteristics or requirements.

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-0591F865-91B5-4>

NEW QUESTION 20

Which feature would allow for the non-disruptive migration of a virtual machine between two clusters in a single VMware vCenter instance?

- A. vSphere vMotion
- B. Cross vCenter Migration
- C. vSphere Storage vMotion
- D. vSphere Fault Tolerance

Answer: A

Explanation:

vSphere vMotion allows for the non-disruptive migration of a virtual machine between two clusters in a single vCenter instance, as long as there is shared storage and network connectivity between the clusters.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-3B41119A-127>

vMotion is used to move the VM to a different cluster within the same vCenter. This only works if both clusters share the same storage. If they don't you also need to perform a Storage vMotion. Cross vCenter Migration is only used to migrate to a different vCenter.

NEW QUESTION 23

When configuring vCenter High Availability (HA), which two statements are true regarding the active, passive, and witness nodes? (Choose two.)

- A. Network latency must be less than 10 milliseconds.
- B. They must have a supported Wide Area Network (WAN).
- C. They must have a minimum of a 10 Gbps network adapter
- D. They must have a minimum of a 1 Gbps network adapter.
- E. Network latency must be more than 10 milliseconds.

Answer: AD

Explanation:

When configuring vCenter High Availability (HA), two of the requirements for the active, passive, and witness nodes are that network latency must be less than 10 milliseconds, which ensures reliable communication between them; and they must have a minimum of a 1 Gbps network adapter, which provides sufficient bandwidth for data replication.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-F01B2F12-C5BB-4C5>

NEW QUESTION 26

An administrator is tasked with looking into the disaster recovery (DR) options for a software-defined data center (SDDC).

The following requirements must be met:

- All virtual machines (VMs) must be protected to a secondary site.
- The source VMs must remain online until the failover.
- When failing over to the secondary site, application downtime is allowed
- The DR failover must be managed from the vSphere Client.
- Costs must remain as low as possible.

How can the administrator accomplish this task?

- A. Configure VMware Cloud Disaster Recovery (VCDR) and combine it with array-based storage replication
- B. Configure VMware Site Recovery Manager and combine it with vSphere Replication.
- C. Configure a subscribed content library on the secondary site.
- D. Configure VMware Site Recovery Manager and combine it with array-based storage replication.

Answer: B

Explanation:

<https://blogs.vmware.com/virtualblocks/2017/11/29/vsr-technicaloverview/>

NEW QUESTION 29

An administrator remotely deploys VMware ESXi using an out of band management connection and now needs to complete the configuration of the management network so that the host is accessible through the vSphere Host Client.

The following information has been provided to complete the configuration:

- Host FQDN esxi01corp.local
- Management VLAN ID: 10 DHCP: No
- Management IP Address: 172.16.10.101/24
- Management IP Gateway: 172.16.10.1
- . Corporate DNS Servers: 172.16.10.5, 172.16.10.6
- DNS Domain: corp.local

In addition, all host configurations must also meet the following requirements:

- The management network must use only IPv4 network protocols.
- The management network must be fault tolerant

Which four high level tasks should the administrator complete in the Direct Console User Interface (DCUI) in order to meet the requirements and successfully log into the vSphere Host Client? (Choose four.)

- A. Set the value of the VMware ESXi Management Network VLAN ID to 10
- B. Configure at least two network adapters for the VMware ESXi Management Network
- C. Update the VMware ESXi Management Network IPv4 configuration to use a static IPv4 address
- D. Create a DNS A Record for the VMware ESXi host on the corporate DNS servers
- E. Disable IPv6 for the VMware ESXi Management Network
- F. Restore the original Management vSphere Standard Switch.
- G. Update the VMware ESXi Management Network DNS configuration to use the corporate DNS servers for 'names resolution

Answer: ABCD

NEW QUESTION 31

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 34

An administrator is tasked with applying updates to a vSphere cluster running vSAN using vSphere Lifecycle Manager. Downtime to the ESXi hosts must be minimal while the work is completed.

The administrator has already completed the following steps and no errors have been returned:

- Downloaded all applicable software and created a new Image
- Attached the new Image to the cluster and run a compliance check against the Image for the cluster
- Ran a remediation pre-check for the cluster

Which two series of steps should the administrator perform to start the remediation of the cluster using the new image? (Choose two.)

- A. * 1. Use the Remediate option in vSphere Lifecycle Manager to remediate all of the ESXi hosts in the cluster in parallel.* 2. Allow vSphere Lifecycle Manager to automatically control maintenance mode on the ESXi hosts.
- B. * 1. Place each of the ESXi hosts into maintenance mode manually.* 2. Use the Stage option in vSphere Lifecycle Manager to stage the required software on all ESXi hosts one at a time.
- C. * 1. Leave all ESXi hosts in the cluster operational.* 2. Use the Stage All option in vSphere Lifecycle Manager to stage the required software onto all ESXi hosts one at a time.
- D. * 1. Leave all ESXi hosts in the cluster operational* 2. Use the Stage All option in vSphere Lifecycle Manager to stage the required software onto all ESXi hosts

in the cluster In parallel.

E. * 1 Use the Remediate Option In vSphere Lifecycle Manager to remediate all of the ESXi hosts In the cluster In sequence.* 2. Allow vSphere Lifecycle Manager to automatically control maintenance mode on the ESXi hoy

Answer: AD

Explanation:

Option A and D are correct because they allow vSphere Lifecycle Manager to automatically control maintenance mode on the ESXi hosts and remediate them in parallel or in sequence. Option B and C are incorrect because they require manual intervention to place the hosts into maintenance mode or to stage the software on each host, which is not efficient or minimal downtime. References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere-lifecycle-manager.doc/GUID-9F9E3F8>

NEW QUESTION 38

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 40

An administrator is configuring vSphere Lifecycle Manager to install patches to a vSphere cluster. The cluster runs workload virtual machines (VMs) that are incompatible with vSphere vMotion, and therefore cannot be live migrated between hosts during the installation of the patches.

Which configuration in vSphere Lifecycle Manager will allow the administrator to reduce the downtime associated with the patching operation without migrating the VMs?

- A. Enable Distributed Power Management (DPM) and set the VM power state to the suspend to disk option
- B. Enable Quick Boot and set the VM power state to the suspend to disk option
- C. Enable vSphere High Availability (HA) admission control and set the VM power state to the suspend to memory option
- D. Enable Quick Boot and set the VM power state to the suspend to memory option

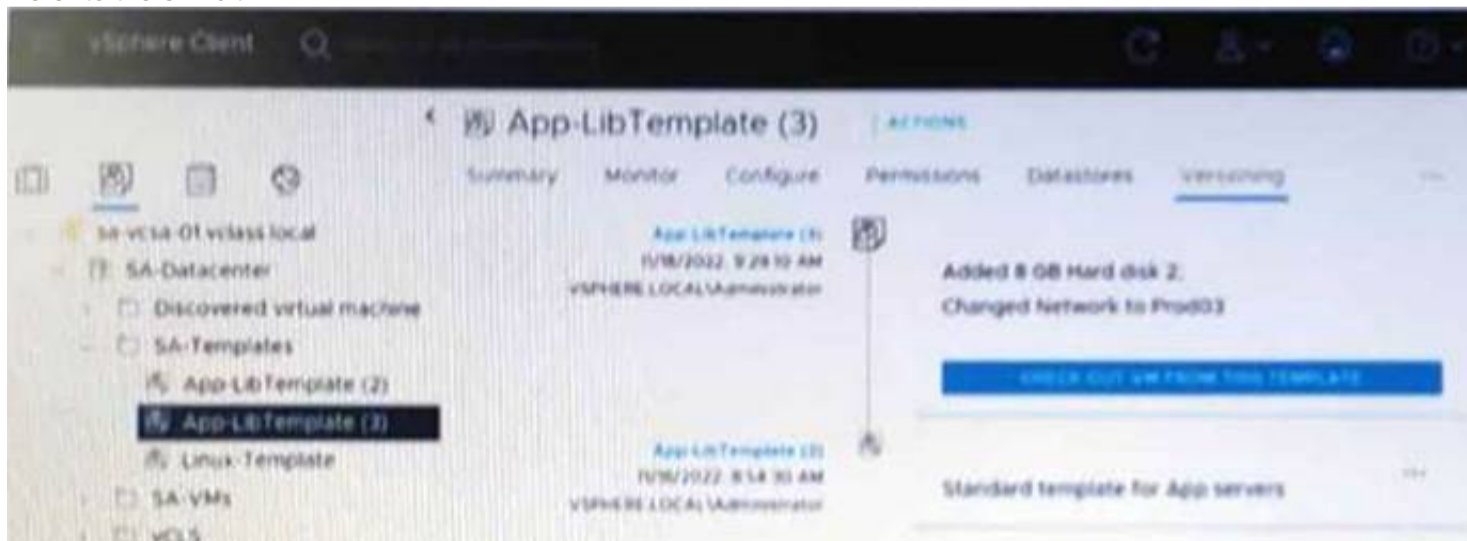
Answer: D

Explanation:

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-lifecycle-manager/GUID-06A5D316-9452-4A5D-A> The administrator should enable Quick Boot and set the VM power state to the suspend to memory option, which will allow the administrator to reduce the downtime associated with the patching operation without migrating the VMs. Quick Boot is a feature that skips the hardware initialization phase during host reboot, which reduces the system boot time. Suspend to memory is an option that preserves the state of the VMs in the host memory and restores them from memory after the reboot, which minimizes the VM downtime. These two features work together to optimize the remediation process and speed up the patching operation. References: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere-lifecycle-manager.doc/GUID-5AF3C6>

NEW QUESTION 43

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?

- A. Delete App-LibTemplate (3) from the SA-Templates folder.
- B. In the SA-template folder, rename App-LibTemplate (2) to App-LibTemplate
- C. Check out AppLibTemplate (3) and delete the template from the SA-Templates folder.
- D. 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

NEW QUESTION 44

An administrator is tasked with adding two additional hosts into an existing production vSphere cluster to support the need for additional capacity.

The vSphere cluster currently has four identically configured ESXi hosts (esx01, esx02, esx03 and esx04) that utilize Intel Skylake-based CPUs. The two new hosts (esx05 and esx06) are configured identically in terms of memory and storage to the existing hosts: but utilize Intel Ice Lake-based CPUs.

The administrator must ensure that:

- Any virtual machine migrates to any of the six ESXi hosts running in the cluster.
- There is no virtual machine downtime during the process of adding the new hosts. Which step should the administrator take to meet these requirements?

- A. Create a new vSphere cluster with Enhanced vMotion Compatibility (EVC) enabled and move all hosts into A' the new cluster
- B. Create a new vSphere cluster and move only three hosts into the new cluster.
- C. Configure Enhanced vMotion Compatibility (EVC) mode on the existing cluster and add the two new hosts into the cluster.
- D. Create a new vSphere cluster with vSphere High Availability (HA) enabled and move all hosts into the new cluster

Answer: C

Explanation:

The step that the administrator should take to meet these requirements is to configure Enhanced vMotion Compatibility (EVC) mode on the existing cluster and add the two new hosts into the cluster. EVC mode allows migration of virtual machines between different generations of CPUs by masking unsupported processor features. EVC mode can be enabled on an existing cluster without affecting powered-on virtual machines. References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-9F444D9B-44A>

<https://blogs.vmware.com/vsphere/2019/06/enhanced-vmotion-compatibility-evc-explained.html>

NEW QUESTION 48

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