



# VMware

## Exam Questions 2V0-21.23

VMware vSphere 8.x Professional

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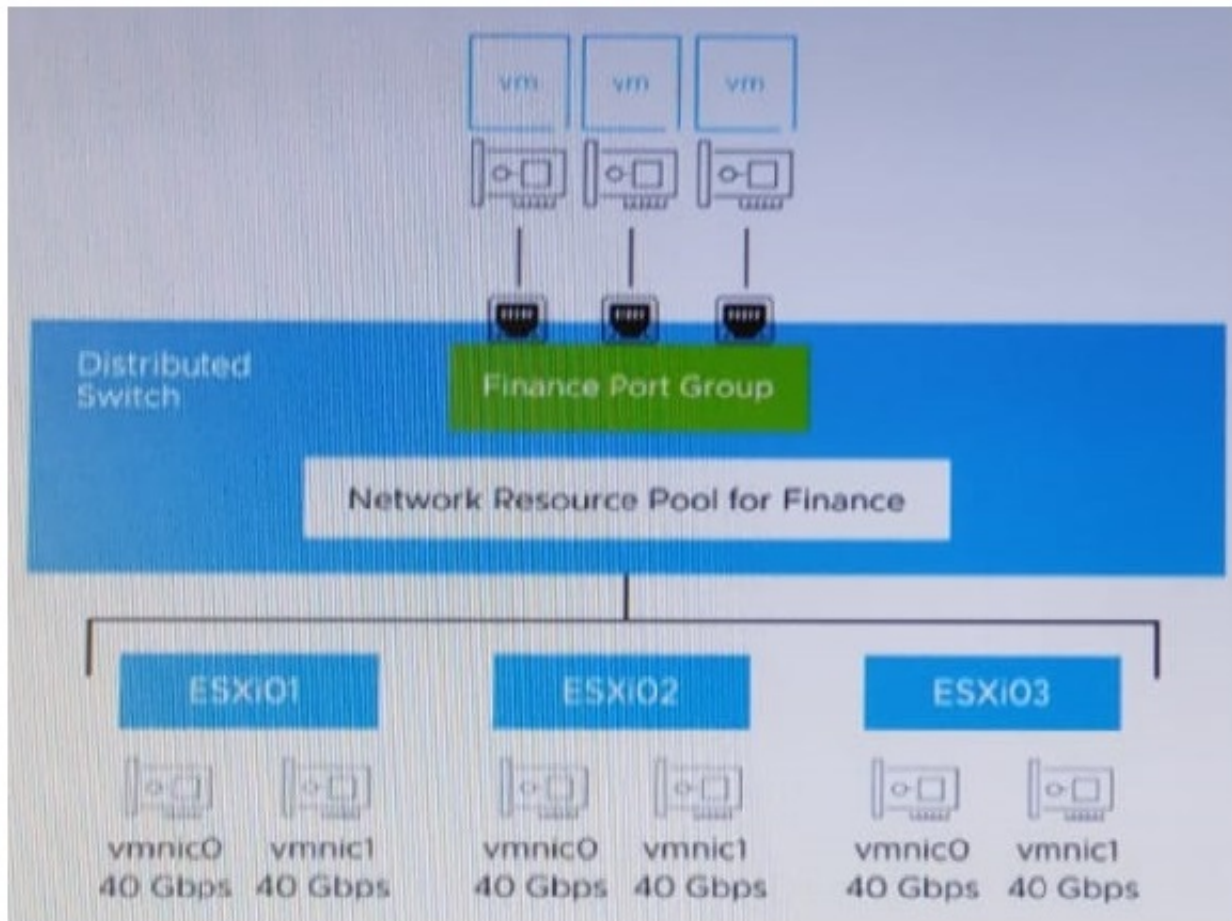
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## NEW QUESTION 1

Refer to the exhibit.



An administrator set up the following configuration:

- The distributed switch has three ESXi hosts, and each host has two 40 Gbps NICs.
- The amount of bandwidth reserved for virtual machine (VM) traffic is 6 Gbps.

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

- A. 18
- B. 80
- C. 36
- D. 120

**Answer: A**

### Explanation:

The size of the Finance network resource pool should be 50 percent of the reserved bandwidth for VM traffic, which is 6 Gbps x 3 hosts = 18 Gbps.

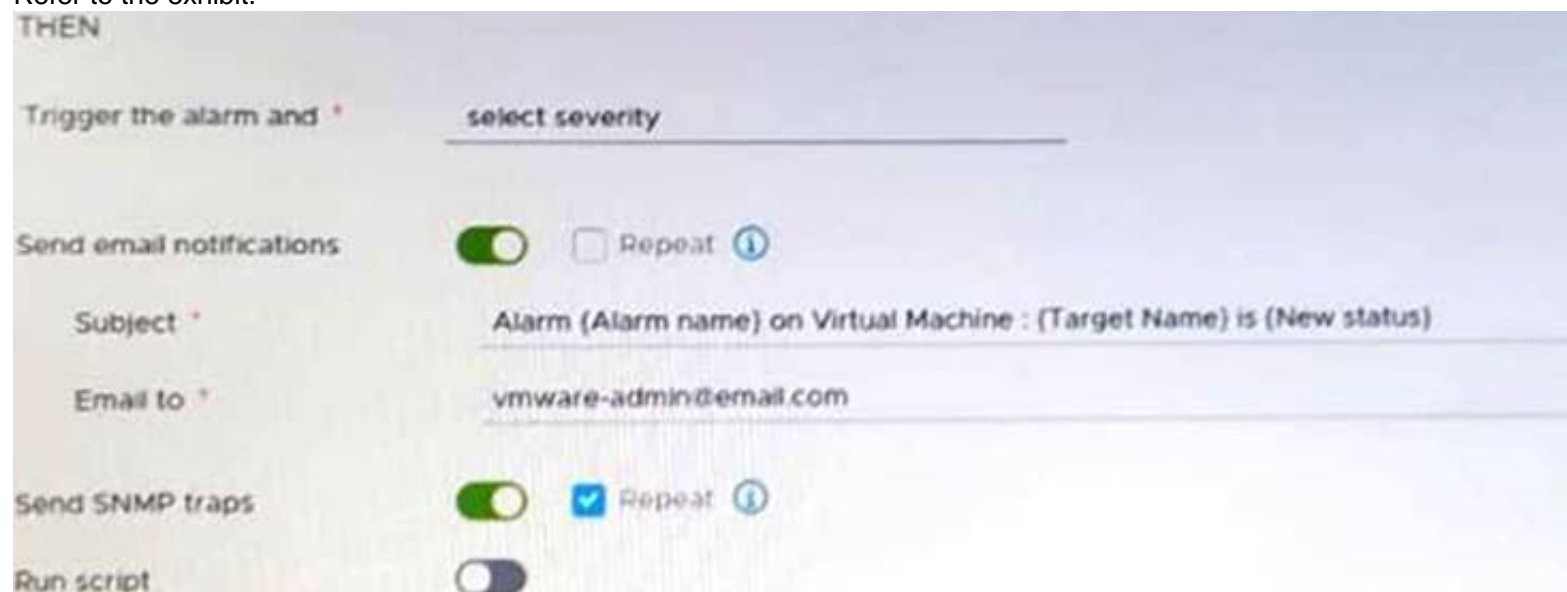
References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-9F1D4E96-339>

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-29A96AB2-AEBF-420E-BDD6>

## NEW QUESTION 2

Refer to the exhibit.



After updating a predefined alarm on VMware vCenter, an administrator enables email notifications as shown in the attached alarm; however, notifications are NOT being sent.

Where must the mail server settings be configured by the administrator to resolve this issue?

- A. In the ESXi host system config
- B. In the alarm rule definitions
- C. In the vCenter settings in the vSphere Client
- D. in the vCenter Management Interface

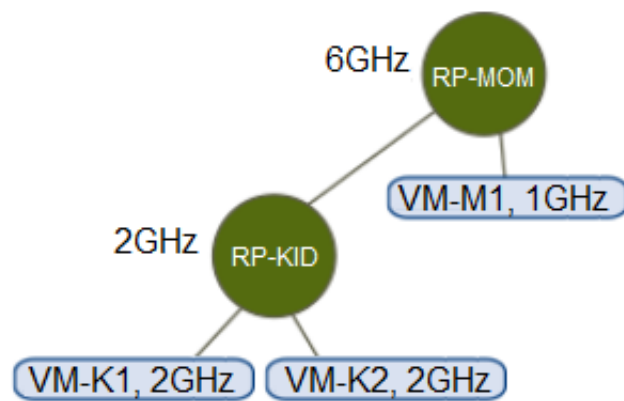
**Answer: C**

### Explanation:

Option C is correct because it allows the administrator to configure the mail server settings in the vCenter settings in the vSphere Client, which are required for sending email notifications for alarms. Option A is incorrect because it configures the mail server settings on an ESXi host system, which are not used for sending email notifications for alarms. Option B is incorrect because it configures the alarm rule definitions, which are already enabled in the exhibit. Option D is incorrect because it configures the vCenter Management Interface, which is not used for sending email notifications for alarms. References:  
<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.monitoring.doc/GUID-A2A4371A-B88>

### NEW QUESTION 3

Refer to Exhibit:



An environment has the following configuration:

- Resource Pool "RP-MOM" has a reservation of 6GHz and one running virtual machine (VM) "VM-M1" with 1 GHz reserved

- Resource Pool "RP-KID" has a reservation of 2GHz, and expandable reservations is activated

The administrator creates two VMs, "VM-K1" and "VM-K2", in the "RP-KID" resource pool with 2GHz reserved for each, and turns on "VM-M1".

Given this scenario, which statement is true?

- A. The administrator must deactivate expandable reservations to turn on VM-K2
- B. The administrator can create a third VM ( VM-K3) at RP-KID and reserve 6GHz
- C. VM-K2 can be powered on because it can get the resources needed from RP-MOM.
- D. VM-K2 cannot be powered on because there are not enough resources in RP-KID.

**Answer:** C

**Explanation:**

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-resource-management/GUID-60077B40-66FF-4625>

### NEW QUESTION 4

An administrator notices a performance issue in VMware 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 5

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.

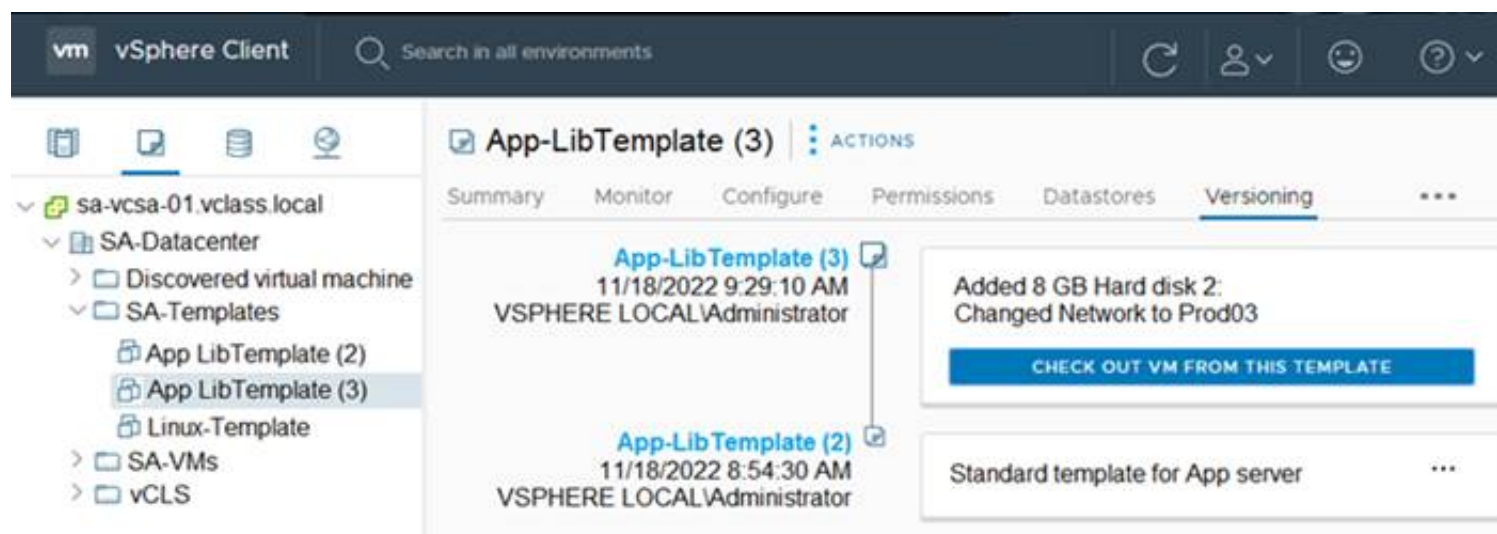
**Answer:** D

**Explanation:**

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

### NEW QUESTION 6

Refer to the exhibit.



Given the configuration shown in the exhibit, what should the administrator do if the latest VM template contains changes that are no longer needed?

- A. Delete App-LibTemplate (2)
- B. Revert to App-LibTemplate (2)
- C. Delete App-LibTemplate (3)
- D. Check out App-LibTemplate (3)

**Answer: B**

#### Explanation:

Deleting App-LibTemplate (3) will remove the changes that are no longer needed and revert to the previous version of the template.

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)

[https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-D69B0279-CC9](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-D69B0279-CC9) If the latest VM template contains changes that are no longer needed, the administrator should revert to the previous version of the template1.

Here are the steps to revert to a previous version of a template1:

- > Navigate to the Versioning tab of the VM template.
- > From the vertical timeline, navigate to the previous state of the VM template.
- > Click the horizontal ellipsis icon (⋮), and select Revert to This Version.
- > The Revert to Version dialog box opens. Enter a reason for the revert operation and click Revert. So, in this case, the correct answer is: B. Revert to App-LibTemplate (2)

This will make App-LibTemplate (2) the current VM template1. Please note that this operation will not delete App-LibTemplate (3), it will simply make App-LibTemplate (2) the current version1.

#### NEW QUESTION 7

A vSphere environment is experiencing intermittent short bursts of CPU contention, causing brief production outages for some of the virtual machines (VMs). To understand the cause of the issue, the administrator wants to observe near real-time statistics for all VMs.

Which two vSphere reporting tools could the administrator use? (Choose two.)

- A. Advanced Performance Charts
- B. esxcli
- C. resxtop
- D. Overview Performance Charts
- E. esxtop

**Answer: AE**

#### Explanation:

Advanced Performance Charts and esxtop are both vSphere reporting tools that can be used to observe near real-time statistics for all VMs. Advanced Performance Charts provides a graphical view of performance data, while esxtop is a command-line tool that provides more detailed information.

#### NEW QUESTION 8

What are two use cases for VMware vSphere+? (Choose two.)

- A. Enhance on-premises workloads by managing them through the VMware Cloud Console
- B. Allow live migration between on-premises and VMware Cloud
- C. Increase the performance of the native vCenter vMotion capability
- D. Allow the creation of affinity and anti-affinity rules to be used during failover events
- E. Simplify vCenter lifecycle management through cloud-enabled automation

**Answer: AE**

#### Explanation:

<https://www.vmware.com/products/vsphere/vsphere-plus.html> <https://blogs.vmware.com/vsphere/2022/06/vmware-vsphereplus-introducing-the-multi-cloud-workload-platform>

#### NEW QUESTION 9

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 10**

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): vcsa01.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 (vcsa01.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 (vcsa01).
- D. Create a reverse DNS A record for the ESXi Host server (esx01)
- E. Create a forward DNS A record for the vCenter Server (vcsa01).

**Answer:** CE

**Explanation:**

The administrator must create a forward DNS A record for the vCenter Server (vcsa01), 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 10**

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 14**

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 esxi01.corp.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 18

An administrator is tasked with implementing a backup solution capable of backing up the Su-pervisor 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 21

An administrator is tasked with deploying a new on-premises software-defined data center (SDDC) that will contain a total of eight VMware vCenter instances. The following requirements must be met:

- All vCenter instances should be visible in a single vSphere Client session.
- All vCenter inventory should be searchable from a single vSphere Client session.
- Any administrator must be able to complete operations on any vCenter instance using a single set of credentials.

What should the administrator configure to meet these requirements?

- A. Two Enhanced Linked Mode groups consisting of four vCenter instances each in a Single Sign-On domain.
- B. A single Hybrid Linked Mode group consisting of four vCenter instances each in a Single Sign-On domain.
- C. A single Enhanced Linked Mode group consisting of eight vCenter instances in one Single Sign-On domain.
- D. A single Hybrid Linked Mode group consisting of eight vCenter instances in one Single Sign-On domain.

**Answer:** B

**Explanation:**

To meet the requirements of viewing and searching all vCenter instances and inventory with a single vSphere Client session and a single set of credentials, the administrator needs to configure a single Enhanced Linked Mode group consisting of eight vCenter instances in one Single Sign-On domain.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-39A8C7F4-8D8>

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-vcenter-installation/GUID-4394EA1C-0800-4A6A->

#### NEW QUESTION 23

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 27

A VMkernel port is labelled PROD01 and uses the default TCP/IP stack. Currently, this VMkernel port is configured for supporting live virtual machine (VM) migrations.

Which configuration change should the administrator make to isolate live VM migration traffic from other network traffic?

- A. Remove PROD01 and create a new VMkernel port and set the TCP/IP stack to vSphere vMotion.
- B. Remove PROD01 and create a new VMkernel port with the TCP/IP stack set to provisioning.
- C. Create a new VMkernel port and set the TCP/IP stack to provisioning.
- D. Modify PROD01 by changing the TCP/IP stack to vSphere vMotion.

**Answer:** A

**Explanation:**

Select a TCP/IP stack from the list. Once you set a TCP/IP stack for the VMkernel adapter, you cannot change it later. If you select the vMotion or the Provisioning TCP/IP stack, you will be able to use only these stacks to handle vMotion or Provisioning traffic on the host. All VMkernel adapters for vMotion on the default TCP/IP stack are disabled for future vMotion sessions. If you set the Provisioning TCP/IP stack, VMkernel adapters on the default TCP/IP stack are disabled for operations that include Provisioning traffic, such as virtual machine cold migration, cloning, and snapshot migration.

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-AA3656B0-005A-40A0-A293-43>

#### NEW QUESTION 31

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.-30,000B.20,000C.10,000D.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 32**

A vSphere cluster hosts a three-tier application. The cluster has 50% resources available. If a host in the cluster fails, the database server must be online before the application server, and the application server must be online before the Web server.

Which feature can be used to meet these requirements?

- A. Predictive DRS
- B. vSphere HA Orchestrated Restart
- C. vSphere HA Restart Priority
- D. Proactive HA

**Answer: B**

**Explanation:**

<https://www.vladan.fr/what-is-vmware-orchestrated-restart/>

**NEW QUESTION 37**

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:**

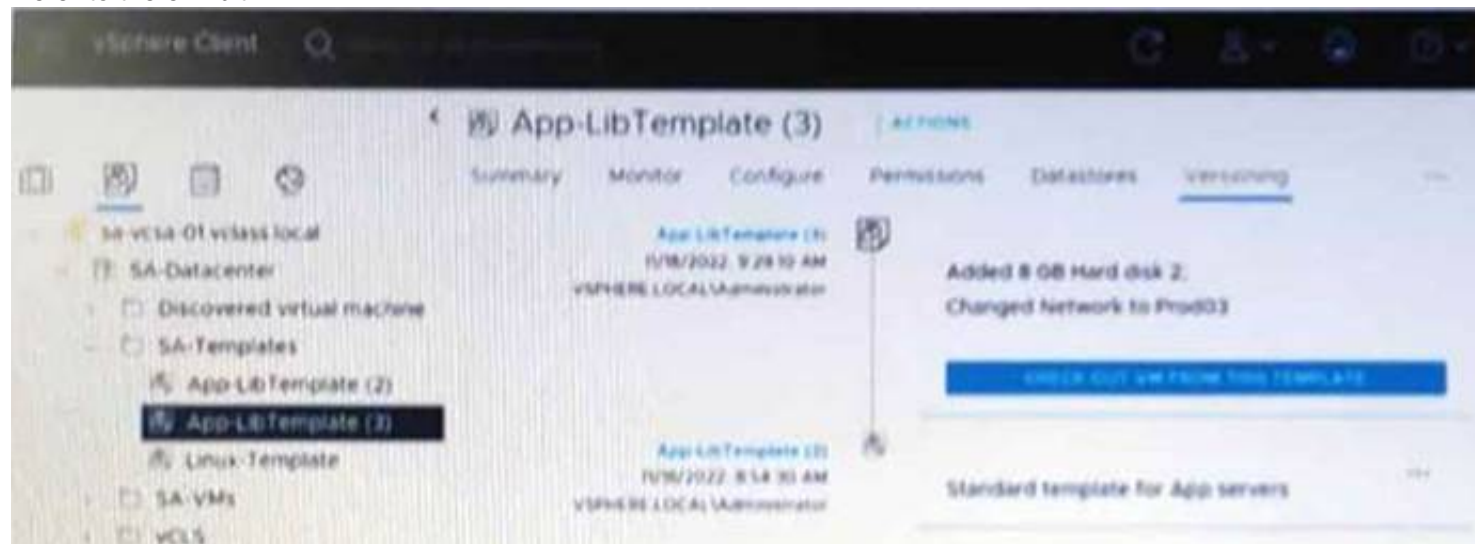
The feature that should be configured to provide encryption for workloads within an existing vSphere cluster without requiring any specific hardware is VM Encryption, which allows encrypting VMs at rest and during vMotion.

References:

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

**NEW QUESTION 41**

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](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-9F9E3F8C-0E2)

**NEW QUESTION 43**

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?

- A. Version Unsupported
- B. Guest Managed
- C. Unknown
- D. 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 48**

An administrator is looking to deploy a new VMware vCenter Instance. The current environment consists of 75 hosts and is expected to grow up to 100 hosts over the next three years.

Which deployment size should the administrator select?

- A. Medium
- B. Tiny
- C. Large
- D. Small

**Answer:** D

**Explanation:**

VMWare: Small environment (up to 100 hosts or 1,000 virtual machines) Medium environment (up to 400 hosts or 4,000 virtual machine)

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-88571D8A-46E1-464> The administrator should select the small deployment size for the new vCenter Server instance, which is suitable for an environment with up to 100 hosts or 1,000 virtual machines. The small deployment size has 4 vCPUs and 19 GB of memory, which can handle the current and expected growth of the environment. The other deployment sizes are either too large or too small for the environment. References:

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

**NEW QUESTION 53**

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