



**VMware**

## **Exam Questions 3V0-21.23**

VMware vSphere 8.x Advanced Design

### NEW QUESTION 1

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 2

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 3

An administrator notices a Fibre Channel adapter in an ESXi host has been experiencing inconsistent connectivity states. Which trigger can be used to quickly identify the issue and alert the administrator so that the issue can be resolved?

- A. Host Connection Lost
- B. Lost Network Path Redundancy
- C. Lost Network Connectivity
- D. Lost Storage Connectivity

**Answer: D**

#### Explanation:

<https://kb.vmware.com/s/article/2014553>

Book course: 6-23 Fibre Channel SAN Components Using SAN switches, you can set up path redundancy to address any path failures from host server to switch, or from storage array to switch. 6-25 Multipathing with Fibre Channel By default, ESXi hosts use only one path from a host to a given LUN at any one time. If the path actively being used by the ESXi host fails, the server selects another available path.

The trigger that can be used to quickly identify the issue and alert the administrator so that the issue can be resolved is:

Lost Storage Connectivity

This alert is triggered when an ESXi host loses connectivity to storage devices. In this case, it would alert the administrator to the inconsistent connectivity states of the Fibre Channel adapter<sup>12</sup>.

### NEW QUESTION 4

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 5**

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 6**

administrator successfully installs VMware ESXi onto the first host of a new vSphere cluster but makes no additional configuration changes. When attempting to log into the vSphere Host Client using the Fully Qualified Domain Name (FQDN) of the host, the administrator receives the following error message:

“server Not Found –we can’t connect to the server at esxi101.corp.local.”

- Host FQDN: esxi101.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

Which three high level tasks should the administrator complete, at a minimum, in order to successfully log into the vSphere Host Client using the FQDN for the esxi101 and complete the configuration (Choose three.)

- A. Ensure a DNS A Record is created for the VMware ESXi host on the corporate DNS servers,
- B. Update the VMware ESXi Management Network DNS configuration to use the corporate DNS servers for name resolution,
- C. Update the VMware ESXi Management Network IPv4 configuration to use a static IPv4 address.
- D. Configure at least two network adapters for the VMware ESXi Management Network.
- E. Set the value of the VMware ESXi Management Network VLAN ID to 10.
- F. Disable IPv6 for the VMware ESXi Management Network.

**Answer: AB**

**Explanation:**

To successfully log into the vSphere Host Client using the FQDN for the ESXi host, the administrator needs to ensure a DNS A Record is created for the VMware ESXi host on the corporate DNS servers, which maps its FQDN to its IP address; and update the VMware ESXi Management Network DNS configuration to use the corporate DNS servers for name resolution, which allows resolving its FQDN.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-D2F9C9A9-5F2> <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-9F1D4E96-339>

**NEW QUESTION 7**

An administrator is investigating user logon failures for a VMware vCenter instance

Where can the administrator find log files containing information related to user login activities?

- A. On the vCenter Management Interface
- B. On the ESXi host using the Direct Console User Interface (DCUI)
- C. On the vCenter Server Appliance
- D. In the vSphere Client when viewing the vCenter virtual machine

**Answer: C**

**Explanation:**

The administrator can find log files containing information related to user login activities on the vCenter Server Appliance, which is a preconfigured Linux-based virtual machine that runs all vCenter Server services. The log files are located in /var/log/vmware/vmware-vpx/vpxd.log and /var/log/vmware/sso/ssoAdminServer.log directories. References:

<https://docs.vmware.com/en/VMware-vSphere/8.0/com.vmware.vsphere.troubleshooting.doc/GUID-5F9A7E49>

**NEW QUESTION 8**

What is the role of vSphere Distributed Services Engine?

- A. Provide a live shadow Instance of a virtual machine (VM) that mirrors 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 9**

An administrator needs to consolidate a number of physical servers by migrating the workloads to a software-defined data center solution. Which VMware solution should the administrator recommend?

- A. VMware Horizon
- B. VMware vSAN
- C. VMware vSphere
- D. VMware

**Answer: C**

**Explanation:**

Option C is correct because VMware vSphere is the solution that provides a software-defined data center platform that can consolidate physical servers by migrating the workloads to virtual machines. Option A is incorrect because VMware Horizon is a solution for virtual desktop infrastructure (VDI) and application delivery. Option B is incorrect because VMware vSAN is a solution for software-defined storage that is integrated with vSphere. Option D is incorrect because VMware NSX is a solution for software-defined networking that is integrated with vSphere. References: <https://www.vmware.com/products/vsphere.html>

**NEW QUESTION 10**

An administrator is creating a content library to manage VM templates and ISO images. The administrator wants to password-protect the images and templates and share them with a remote site.

Which two tasks must the administration perform when creating the content library? (Choose two.)

- A. Publish the local content library.
- B. Enable the security policy.
- C. Create a subscribed content library.
- D. Select an NFS datastore.
- E. Enable authentication.

**Answer: AE**

**Explanation:**

To password-protect and share images and templates with a remote site, the administrator needs to publish the local content library, which makes it available for subscription by other vCenter Server instances; and enable authentication, which requires users to enter credentials when accessing the content library.

References:

[https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm\\_admin.doc/GUID-FBEED81C-F9D](https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-FBEED81C-F9D)

**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): vcsc01.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 (vcsc01.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 (vcsc01).
- D. Create a reverse DNS A record for the ESXi Host server (esx01)
- E. Create a forward DNS A record for the vCenter Server (vcsc01).

**Answer: CE**

**Explanation:**

The administrator must create a forward DNS A record for the vCenter Server (vcsc01), 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 13**

To keep virtual machines (VMs) up and running at all times in a vSphere cluster, an administrator would like VMs to be migrated automatically when the host hardware health status becomes degraded.

Which cluster feature can be used to meet this requirement?

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

**Answer: B**



**Explanation:**

Proactive HA is a cluster feature that can be used to migrate VMs automatically when the host hardware health status becomes degraded, before a failure occurs.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-C3FFBF62-D6BF-4A>

**NEW QUESTION 17**

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 19**

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 23**

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 28**

An administrator successfully installs VMware ESXi onto the first host of a new vSphere cluster but makes no additional configuration changes. When attempting to log into the vSphere Host Client using the Fully Qualified Domain Name (FQDN) of the host, the administrator receives the following error message:

“Server Not Found - We can't connect to the server at esxi101.corp.local? The following information has been provided to complete the configuration:

- Host FQDN esxi101.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
- ONS 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 three high level tasks should the administrator complete, at a minimum, in order to successfully log into the vSphere Host Client using the FQDN for esxi101 and complete the configuration? (Choose three.)

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

**Answer:** ACE

### NEW QUESTION 32

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 37

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 40

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 41

An administrator plans to bring VMware vCenter offline in order to perform hardware maintenance on the host where the vCenter Server Appliance is running. Which vSphere feature must be configured to ensure that vCenter users experience minimal downtime?

- A. vSphere Distributed Resource Scheduler
- B. Hybrid Linked Mode
- C. vCenter Server High Availability
- D. Enhanced Linked Mode

**Answer:** C

#### Explanation:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-4A626993-A829-495>

### NEW QUESTION 42

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 44**

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 45**

A combination of which two components of the software-defined data center (SDDC) are responsible for the initial abstraction of CPU, memory, disk, and network resources and their subsequent management? (Choose two.)

- A. VMware ESXi
- B. VMware vCenter Cloud Gateway
- C. VMware Ana Suite Lifecycle
- D. VMware vCenter
- E. VMware Ana Operations

**Answer:** AD

**Explanation:**

VMware ESXi and VMware vCenter are the two components of the software-defined data center (SDDC) that are responsible for the initial abstraction of CPU, memory, disk, and network resources and their subsequent management<sup>1</sup>. VMware ESXi is the virtualization platform where you create and run virtual machines and virtual appliances<sup>2</sup>. VMware vCenter is the service through which you manage multiple hosts connected in a network and pool host resources<sup>2</sup>. These two components are part of the SDDC architecture that enables a fully automated, zero-downtime infrastructure for any application, and any hardware, now and in the future<sup>3</sup>.

**NEW QUESTION 46**

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?

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

**Answer:** B

**Explanation:**

Powered on (does not include memory) Reverts to the parent snapshot and the virtual machine is powered off. Powered off (does not include memory) Reverts to the parent snapshot and the virtual machine is powered off. <https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-vm-administration/GUID-50BD0E64-75A6-4164-B>

**NEW QUESTION 51**

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 53

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.

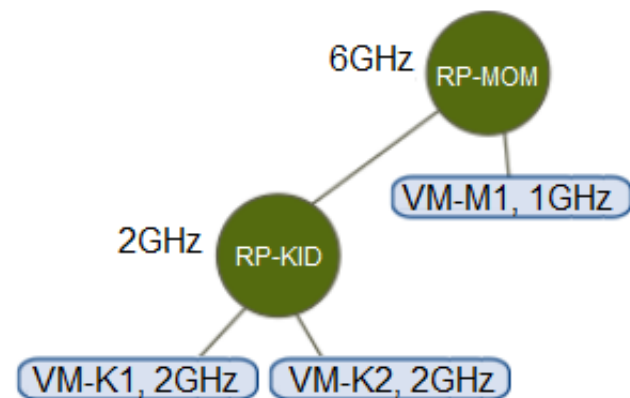
References:

<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 57

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 59

An administrator is deploying a new all flash vSAN cluster based on the vSAN Original Storage Architecture (OSA). What is the minimum supported network throughput in Gb/s for each host?

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

**Answer:** B

#### Explanation:

The minimum supported network throughput in Gb/s for each host in an all flash vSAN cluster based on the vSAN Original Storage Architecture (OSA) is 10.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vsan-planning.doc/GUID-FCEA0CDD>

vSAN Express Storage Architecture (ESA) are only supported with 25Gbps and higher connection speeds.

ESA ReadyNodes configured for vSAN ESA will be configured with 25/50/100Gbps NICs. vSAN OSA

all-flash configurations are only supported with a 10Gb or higher connections. One reason for this is that the improved performance with an all-flash configuration may consume more network bandwidth between the hosts to gain higher throughput. <https://core.vmware.com/resource/vmware-vsan-design-guide#sec6815-sub3>

### NEW QUESTION 62

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 67**

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 68**

An administrator is adding a new ESXi host to an existing vSphere cluster. When selecting the cluster, the administrator is unable to use the Cluster Quickstart workflow to add and configure the additional host. What could be the root cause of this issue?

- A. The administrator has previously dismissed the Cluster Quickstart workflow.
- B. The administrator must manually add the host to the cluster before using the Cluster Quickstart workflow.
- C. The administrator has not been assigned the required permissions to use the Cluster Quickstart workflow.
- D. The administrator must enable the Cluster Quickstart workflow option in VMware vCenter.

**Answer:** A

**Explanation:**

Option A is correct because it indicates that the administrator has previously dismissed the Cluster Quickstart workflow, which will prevent them from using it to add and configure an additional host. To use the Cluster Quickstart workflow again, the administrator must enable it in the cluster settings. Option B is incorrect because the administrator does not need to manually add the host to the cluster before using the Cluster Quickstart workflow, as this is one of the steps in the workflow. Option C is incorrect because the administrator does not need any special permissions to use the Cluster Quickstart workflow, as long as they have permissions to perform cluster operations. Option D is incorrect because there is no option to enable the Cluster Quickstart workflow in VMware vCenter, as this is a feature of vSphere clusters. References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-9F9E3F8C-0E2>

**NEW QUESTION 72**

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:**

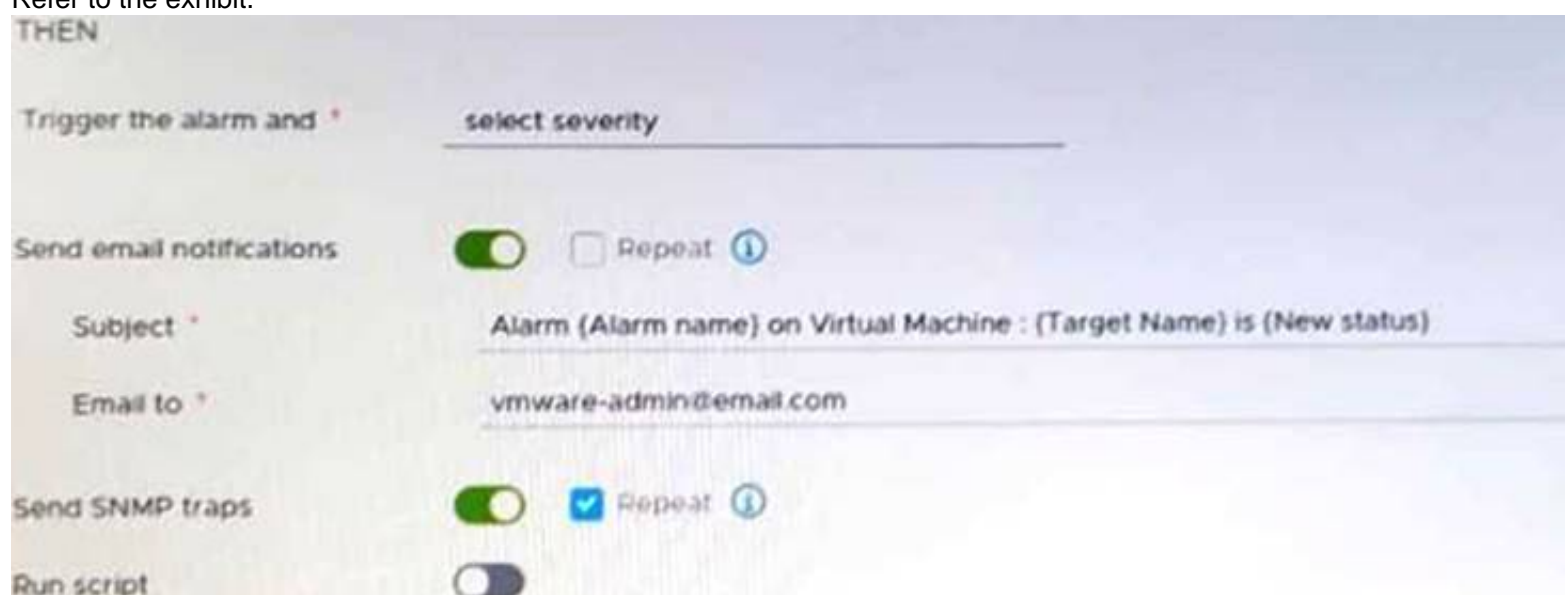
To comply with the policy of synchronizing time with an external source that is accurate to the microsecond, the administrator needs to ensure that each ESXi host is configured to use a PTP source, which provides higher accuracy than NTP.

References:

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

**NEW QUESTION 75**

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 76**

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