

VMware

Exam Questions 2V0-21.23

VMware vSphere 8.x Professional




NEW QUESTION 1

Refer to the exhibit.


THEN

Trigger the alarm and *

Send email notifications ☒ Repeat ☐ 

Subject * Alarm (Alarm name) on Virtual Machine : (Target Name) is (New status)

Email to * vmware-admin@email.com

Send SNMP traps ☒ Repeat ☐ 

Run script ☐

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 2

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 3

Which three vSphere features are still supported for Windows-based virtual machines when enabling vSphere's -virtualization-based security feature? (Choose three.)

- A. vSphere vMotion
- B. PCI passthrough
- C. vSphere High Availability (HA) D, vSphere Fault Tolerance
- D. vSphere Distributed Resources Scheduler (DRS)
- E. Hot Add of CPU or memory

Answer: ACE

Explanation:

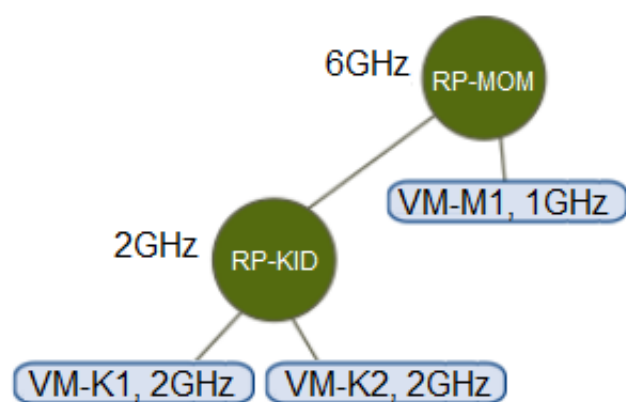
Option A, C and E are correct because they indicate that vSphere features such as vMotion, High Availability (HA) and Distributed Resource Scheduler (DRS) are still supported for Windows-based virtual machines when enabling vSphere's virtualization-based security feature, which provides enhanced protection for guest operating systems and applications against various attacks. Option B is incorrect because PCI passthrough is not supported for Windows-based virtual machines when enabling vSphere's virtualization-based security feature, as this feature requires direct access to physical devices that cannot be shared or protected by hypervisor mechanisms. Option D is incorrect because Fault Tolerance is not supported for Windows-based virtual machines when enabling vSphere's virtualization-based security feature, as this feature requires identical execution states for primary and secondary virtual machines that cannot be guaranteed by hypervisor mechanisms. Option F is incorrect because Hot Add of CPU or memory is not supported for Windows-based virtual machines when enabling vSphere's virtualization-based security feature, as this feature requires

dynamic changes to virtual hardware configuration that cannot be handled by hypervisor mechanisms. References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-A2A4371A-B888>

NEW QUESTION 4

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?

- The administrator must deactivate expandable reservations to turn on VM-K2
- The administrator can create a third VM (VM-K3) at RP-KID and reserve 6GHz
- VM-K2 can be powered on because it can get the resources needed from RP-MOM.
- 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 5

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.)

- The datastore contains Raw Device Mappings (RDMs).
- SAS disks are used for the datastore.
- The datastore has multiple extents.
- The datastore is using iSCSI.
- 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 6

An administrator receives reports from the application team of poor performance of a virtual machine (VM). The administrator reviews the virtual machine and discovers that it has 20 snapshots that are over 12 months old. What could the administrator do to improve the VM's performance?

- Inflate the base disk to make space for future snapshots.
- Revert to the latest snapshot.
- Consolidate all of the snapshots into the base VM.
- Identify and delete the largest delta .vmdk file.

Answer: C

Explanation:

<https://4sysops.com/archives/performance-impact-of-snapshots-in-vmware-vsphere-7/#:~:text=As%20you%20k>

NEW QUESTION 7

If a distributed switch uses the “Route based on physical NIC load” load balancing algorithm, what does the mean send or receive utilization of an uplink need to exceed for the flow of traffic to move to the second uplink?

- 75 percent of the capacity over a 30 second period
- 60 percent of the capacity over a 30 second period
- 60 percent of the capacity over a 40 second period
- 75 percent of the capacity over a 40 second period

Answer: A

Explanation:

The distributed switch calculates uplinks for virtual machines by taking their port ID and the number of uplinks in the NIC team. The distributed switch tests the uplinks every 30 seconds, and if their load exceeds 75 percent of usage, the port ID of the virtual machine with the highest I/O is moved to a different uplink.

<https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-959E1CFE-2AE4-4A67-B4D4-2>

NEW QUESTION 8

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 9

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 10

An administrator is tasked with allowing a single user the ability to take snapshots on a virtual machine. When looking in vCenter, the administrator can see that there are already users and groups assigned permissions on the virtual machine as follows:

- The group VMJJsers has the Virtual Machine Power User role.
- The group VM_Viewers has the Read Only role.

The administrator confirms that the user requesting the additional access is currently one of five members of the VM_Viewers group

Which two steps should the administrator take to grant this user the additional access required without impacting the user access of others? (Choose two.)

- A. Add the user to the VM_Users group and leave the permissions on the virtual machine object unchanged
- B. Add a new permission on the virtual machine object selecting the user and the new custom role.
- C. Edit the Read Only role to add the Virtual Machine Snapshot Management privileges.
- D. Create a new custom role with the Virtual Machine Snapshot Management privileges.
- E. new permission on the virtual machine object selecting the VM_Viewers group and the new custom

Answer: BD

Explanation:

The administrator should create a new custom role with the Virtual Machine Snapshot Management privileges, which allows the user to create, delete and revert snapshots. The administrator should then add a new permission on the virtual machine object selecting the user and the new custom role, which grants the user the additional access required without affecting other users or groups. References: <https://docs.vmware.com/en/VMware-vSphere/8.0/com.vmware.vsphere.security.doc/GUID-93B962A7-93FA-4>

NEW QUESTION 10

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 14

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 17

An administrator creates a new corporate virtual machine (VM) template every month to include all of the latest patches. The administrator needs to ensure that the new VM template is synchronized from the primary data center site (London) to two secondary data center sites (Tokyo and New York). The administrator is aware that datastore space is limited within the secondary data center sites. The administrator needs to ensure that the VM template is available in the secondary sites the first time a new virtual machine is requested.

Which four steps should the administrator take to meet these requirements? (Choose four.)

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

Answer: ADEG

Explanation:

To meet the requirements of synchronizing and protecting images and templates with limited datastore space, the administrator needs to create a new published content library at the primary site, which makes it available for subscription by other vCenter Server instances; create a new subscribed content library in each secondary site, which allows accessing content from a published content library; configure the subscribed content library to download content when needed, which saves datastore space by only downloading content on demand; and add the virtual machine template to the published content library, which makes it available for other hosts to use.

References:

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-FBEED81C-F9D

NEW QUESTION 20

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 25

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 26

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 30

An administrator manually configures a reference ESXi host that meets company security standards for vSphere environments. The administrator now needs to apply all of the security standards to every identically configured host across multiple vSphere clusters within a single VMware vCenter instance.

Which four steps would the administrator complete to meet this requirement? (Choose four.)

- A. Extract the host profile from the reference host
- B. Export the host profile from vCenter.
- C. Import host customization on the reference host.
- D. Attach the host profile to each cluster that requires the secure configuration.
- E. Check the compliance of each host against the host profile.
- F. Reset host customization on the reference host.
- G. Remediate all non-compliant hosts.

Answer: ADEG

Explanation:

To apply the security standards from a reference host to other hosts across multiple clusters, the administrator needs to extract a host profile from the reference host, which captures its configuration settings; attach the host profile to each cluster that requires the same configuration; check the compliance of each host against the host profile, which compares their settings; and remediate all non-compliant hosts, which applies the configuration settings from the host profile.

References:

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

NEW QUESTION 32

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

NEW QUESTION 33

An administrator needs to perform maintenance on a datastore that is running the vSphere Cluster Services (vCLS) virtual machines (VMs). Which feature can the administrator use in this scenario to avoid the use of Storage vMotion on the vCLS VMs?

- A. vSphere Distributed Resource Scheduler (DRS)
- B. vSphere vMotion
- C. vSphere Fault Tolerance
- D. vCLS Retreat Mode

Answer: D

Explanation:

The feature that can be used to avoid the use of Storage vMotion on the vCLS VMs when performing maintenance on a datastore is vCLS Retreat Mode, which allows temporarily removing the vCLS VMs from the cluster without affecting the cluster services.

References:

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-8E7C1D6D-8E>

NEW QUESTION 35

An administrator has mapped three vSphere zones to three vSphere clusters.

Which two statements are true for this vSphere with Tanzu zonal Supervisor enablement? (Choose two.)

- A. One Supervisor will be created in a specific zone.
- B. One Supervisor will be created across all zones.
- C. Three Supervisors will be created in Linked Mode.
- D. Individual vSphere Namespaces will be placed into a specific zone.
- E. Individual vSphere Namespaces will be spread across all zones.

Answer: BE

Explanation:

For a vSphere with Tanzu zonal Supervisor enablement where three vSphere zones are mapped to three vSphere clusters, the following two statements are true:

- B. One Supervisor will be created across all zones. In a three-zone deployment, all three vSphere clusters become one Supervisor.
- E. Individual vSphere Namespaces will be spread across all zones. You can distribute the nodes of your Tanzu Kubernetes Grid clusters across all three vSphere zones, thus providing HA for your Kubernetes workloads at a vSphere cluster level.

NEW QUESTION 38

An administrator needs to update a VMware vCenter instance to a newer minor release version. Due to restrictions within the environment, the vCenter instance does not have access to the Internet. As a first step, the administrator downloads the required update on another machine.

What are the next steps the administrator must perform to complete the update? A Place the update ISO file in a Virtual Machine File System (VMFS) datastore. ' Use the vSphere Client to select the update ISO file as the source for the update.

- A. Place the update ISO file in a Virtual Machine File System (VMFS) datastore. Use the vSphere Client to select the update ISO file as the source for the update.
- B. Mount the ISO update file to the CD-ROM drive of the vCenter instance. Use the vCenter Management Interface to select the CD-ROM as the source for the update.
- C. Place the ISO update file in a folder accessible to the vCenter instance over HTTPS. Use the vCenter Management Interface to select the update file as the source for the update.
- D. Place the ZIP update file in a folder accessible to the vCenter instance over HTTPS. Use the vSphere Client to select the update file as the source for the update.

Answer: B

Explanation:

<https://4sysops.com/archives/three-ways-to-update-vmware-vcenter-server-appliance-vcsa/>

NEW QUESTION 42

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