VMware

Exam Questions 2V0-21.23

VMware vSphere 8.x Professional

NEW QUESTION 1
An administrator is asked to configure a security policy at the port group level of a standard switch. The following requirements must be met:
• The security policy must apply to all virtual machines on portgroup-1.
• All traffic must be forwarded, regardless of the destination.

A. Forged transmits set to reject
B. MAC address changes set to accept
C. Promiscuous mode set to reject
D. Promiscuous mode set to accept

Answer: D

Explanation:
The security policy that must be configured at the port group level to allow all traffic to be forwarded regardless of the destination is promiscuous mode set to accept, which allows receiving all traffic on a virtual switch port.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-D5960C77-0D1

NEW QUESTION 2
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 3
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 4
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 5
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 6
An administrator notices a performance issue in VMvvare 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

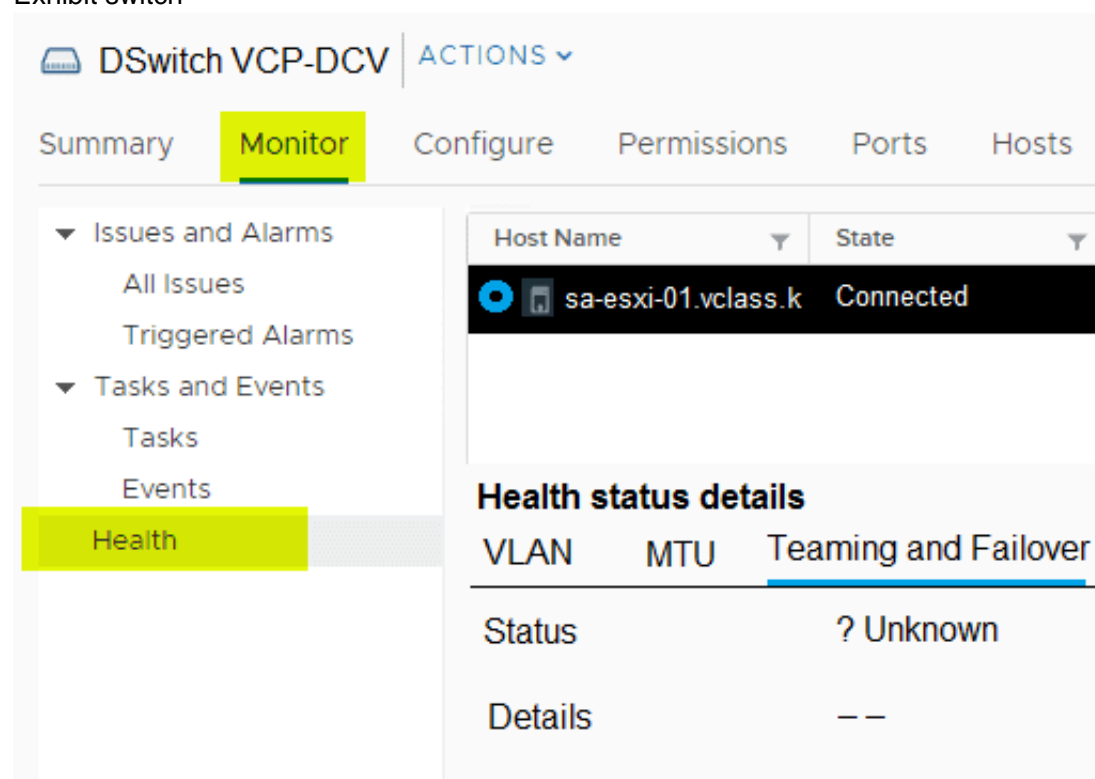**Answer:** AC

Explanation:
https://kb.vmware.com/s/article/76563

NEW QUESTION 7
Exhibit switch

An administrator configures a distributed switch and adds the first VMware ESXi server to it. The administrator also performs the following activities:
•The administrator assigns two uplinks to the distributed switch.
•The administrator enables uplink teaming.
When attempting to perform a health check of the teaming policy, the health status of the Teaming and
Failover reports as ' Unknown?, as seen in the exhibit.
What can the administrator changes in the distributed switch for the health status to report correctly?

A. Add a minimum of three hosts with two uplinks each
B. Add a minimum of two hosts with two uplinks each
C. Add a minimum of three hosts with four uplinks each
D. Add a minimum of two hosts with one uplink each

Answer: B

NEW QUESTION 8
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?

A. 75 percent of the capacity over a 30 second period
B. 60 percent of the capacity over a 30 second period
C. 60 percent of the capacity over a 40 second period
D. 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 9
An administrator is tasked with configuring remote direct memory access (RDMA) over Converged Ethernet v2 (RoCE v2).
Which two types of adapters must the administrator configure? (Choose two.)

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

Answer: BD

Explanation:
ESXi 7 and later supports RoCE v2 technology, which enables RDMA over an Ethernet network. Hosts use an RDMA network adapter installed on the host and a software NVMe over RDMA storage adapter.
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-storage/GUID-F4B42510-9E6D-4446-816A-501286

NEW QUESTION 10
The vCenter inventory contains a virtual machine (VM) template called Linux-01. The administrator wants to install a software patch into Linux-01 while allowing users to continue to access Linux-01 to deploy VMs. Which series of steps should the administrator take to accomplish this task?

A. * 1. Verify that Linux-01 is in a content library* 2. Clone Linux-01* 3. Convert the clone to a VM* 4. Install the software patch.
B. * 1. Convert Linux-01 to a VM * 2 Install the software patch* 3 Convert the VM back to a VM template * 4 Add Linux-01 to the content library.
C. * 1. Verify that Linux-01 is in a content library* 2. Checkout Linux-01* 3. Install the software patch * 4.Check in Linux-01
D. * 1. Clone Linux-01.* 2. Convert the clone to a VM* 3. Install the software patch.* 4. Convert the VM back to a template.

Answer: C

Explanation:
The administrator should clone Linux-01, which creates a copy of the virtual machine template. The administrator should then convert the clone to a VM, which allows the administrator to power on and modify the virtual machine. The administrator should then install the software patch on the VM, which updates the application. The administrator should then convert the VM back to a template, which preserves the changes made to the VM and allows users to deploy VMs from it. References:
https://docs.vmware.com/en/VMware-vSphere/8.0/com.vmware.vsphere.vm_admin.doc/GUID-E8E854DD-AA

NEW QUESTION 10
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. VMwere 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 management1. VMware ESXi is the virtualization platform where you create and run virtual machines and virtual appliances2. VMware vCenter is the service through which you manage multiple hosts connected in a network and pool host resources2. 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 future3.

NEW QUESTION 11
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 14
After a recent unexplained peak in virtual machine (VM) CPU usage, an administrator is asked to monitor the VM performance for a recurrence of the issue.
Which two tools can the administrator use? (Choose two.)

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

Answer: CE

Explanation:
To monitor the VM performance for a recurrence of the issue, the administrator can use vSphere Performance Charts, which provide graphical views of various performance metrics for VMs and other objects; or ESXi Shell, which provides command-line access to ESXi hosts and allows running various commands to collect performance data.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.monitoring.doc/GUID-D89E8267-C74 https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.monitoring.doc/GUID-CDC20FD2-FE

NEW QUESTION 15
Which step is completed during Stage 1 of the vCenter Server Appliance deployment?

A. Join a vCenter Single Sign-On domain
B. Create a new vCenter Single Sign-On domain
C. Select the deployment size
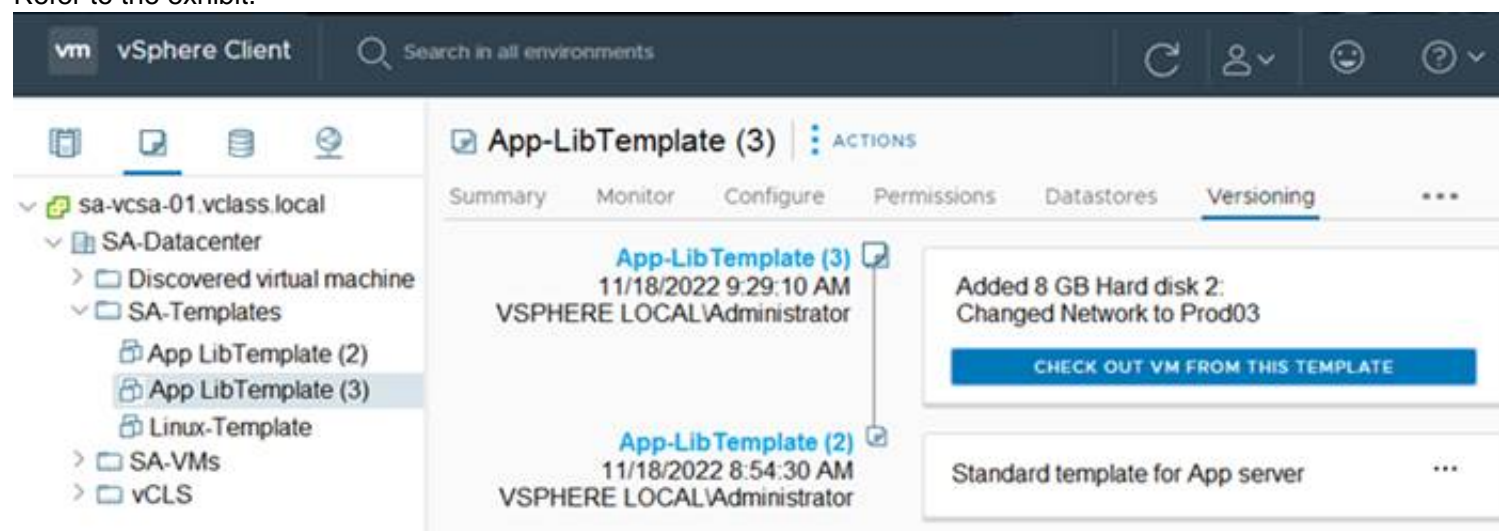D. Configure SSH access

Answer: C

Explanation:
The minimum network throughput in Gb/s for vSAN using the Express Storage Architecture (ESA) is 1 Gb/s, which is the minimum requirement for vSAN network adapters. However, VMware recommends using 10 Gb/s or higher for better performance and reliability. References:
https://docs.vmware.com/en/VMware-vSphere/8.0/com.vmware.vsphere.vsan-planning.doc/GUID-9F1D4A3B
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-1E39EF05-1DD7-4E https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-1E39EF05-1DD7-4E

NEW QUESTION 18
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-LibTernplate (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-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 23
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 26
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 30
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 31
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 33
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 35
An administrator plans to bring VMware vCenter offline in order to perform hardware mainte-nance 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
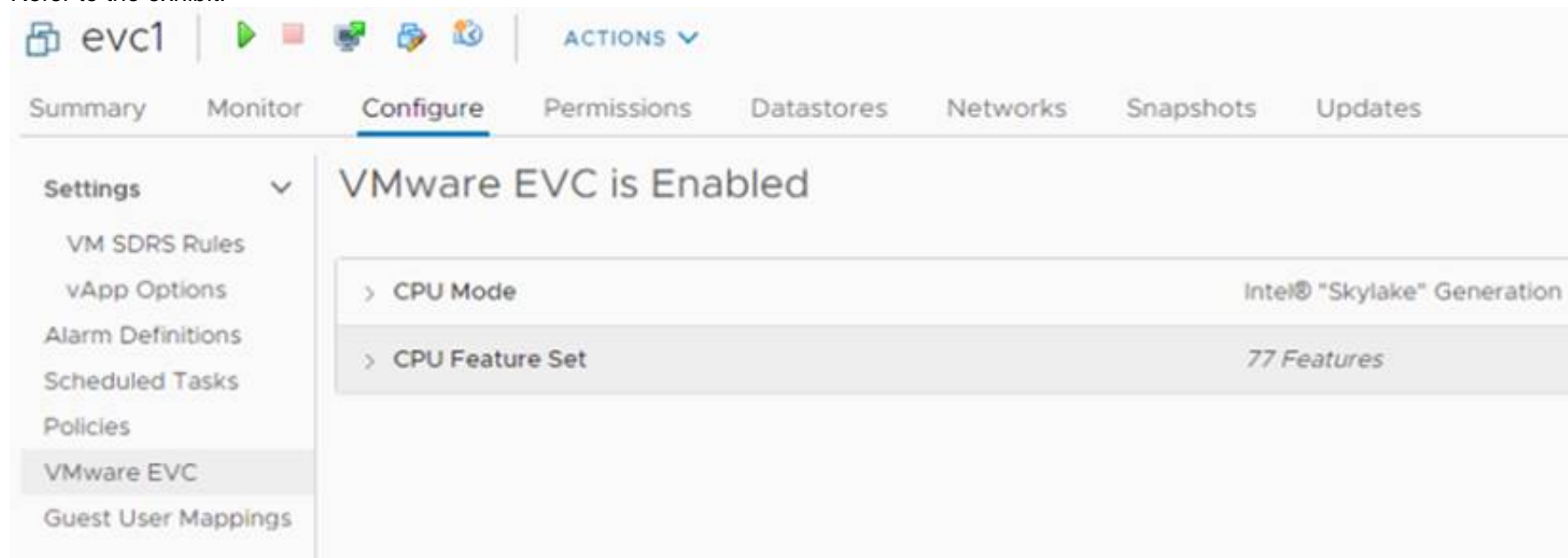C. vCenter Server High Availability
D. Enhanced Linked Mode

Answer: C

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

NEW QUESTION 37
Refer to the exhibit.

An administrator is tasked with adding new capacity to an existing software-defined data center (SDDC).
• The SDDC currently hosts two vSphere clusters (ClusterA and ClusterB) with different CPU compatibilities.
• vSphere vMotion and vSphere Distributed Resource Scheduler (DRS) are currently in use in the SDDC.
• The new capacity will be implemented by provisioning four ESXi hosts running a new generation of Intel Skylake CPUs.
• All workload virtual machines (VMs) must support live migration to any cluster in the SDDC.
The administrator noticed the running critical "ever virtual machine (VM) shown in the exhibit is not migrating using vSphere vMotion to the original Clusters A or B.
Which three steps must the administrator take to support this functionality? (Choose three.)

A. Power on the VM.
B. Disable the Enhanced vMotion Compatibility (EVC) on the VM.
C. Reboot the VM.
D. Configure the Enhanced vMotion Compatibility (EVC) on vSphere Cluster A and B to support Intel Skylake.
E. Power off the VM.
F. Configure the Enhanced vMotion Compatibility (EVC) on the VM to Intel Skylake.

Answer: ADE

NEW QUESTION 41
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 45
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 46
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 a Site Recovery Manager and combine it with vSphere Replication.
C. Configure a subscribed content library on the secondary site.
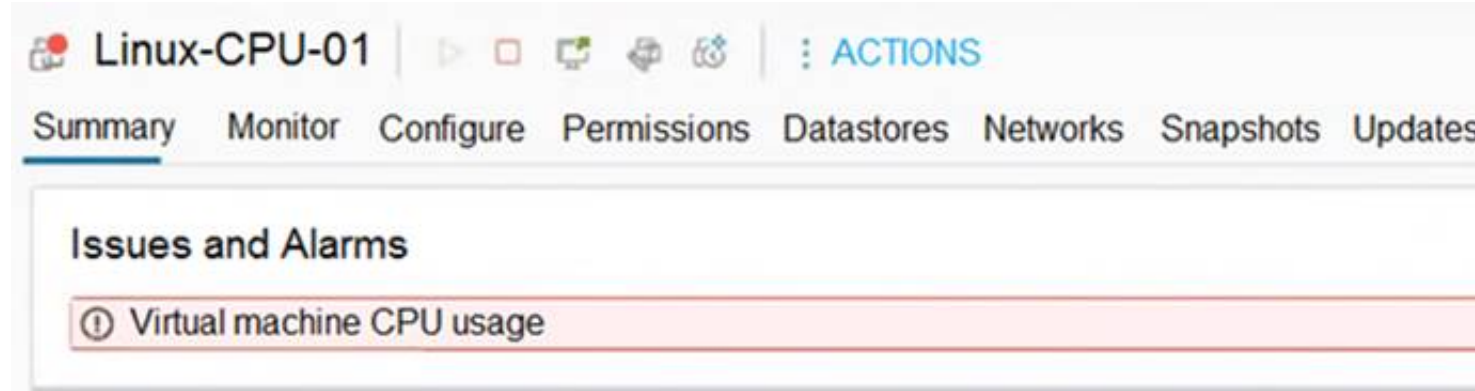D. Configure VMware Site Recovery Manager and combine it with array-based storage replication.

Answer: B

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

NEW QUESTION 51
Refer to the exhibit.

After removing an ESXi host from a cluster for maintenance, a number of virtual machines have encountered the warning seen in the exhibit. After re-adding the ESXi, the issue is resolved. Which step should the administrator take to move the triggered alarm to its normal state?

A. Ignore
B. Reset to Green
C. Acknowledge
D. Disable

Answer: B

Explanation:
https://communities.vmware.com/t5/ESXi-Discussions/Alert-on-virtual-machine-that-i-cant-quot-clear-quot-or-r

NEW QUESTION 52
An administrator needs better performance and near-zero CPU utilization from the ESXI hosts for networking functions and processing. The administrator creates a new vSphere Distributed Switch and enables network offloads compatibility.
Which solution would help achieve this goal?

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

Answer: B

Explanation:
The solution that would help achieve better performance and near-zero CPU utilization from the ESXi hosts for networking functions and processing is Data Processing Units (DPUs), which are specialized processors that offload network services from the CPU and provide hardware acceleration.
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-41AB1101-D943-490A-BF1A-E

NEW QUESTION 56
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 serversfor ' names resolution

Answer: ABCD

NEW QUESTION 61
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 65
Which two tasks can be completed using vSphere LifeCycle Manager? (Choose two.)

A. Manage the firmware lifecycle of ESXi hosts that are part of a managed cluster with a single image.
B. Check that the ESXi hosts are compliant with the recommended baseline and update the hosts
C. Upgrade VMware vCenter from version 7 to 8.
D. Check the hardware compatibility of the hosts in a cluster against the VMware Compatibility Guide (VCG) using baselines.
E. Manage the firmware lifecycle of ESXi hosts are part of a managed cluster using baselines

Answer: BE

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere-lifecycle-manager.doc/GUID-774C362

NEW QUESTION 68
Which VMware offering will allow an administrator to manage the lifecycle of multiple vCenter Server instances in a single software as a service (SaaS)-based solution to help drive operational efficiency?

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

Answer: C

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

NEW QUESTION 72
An administrator wants to allow a DevOps engineer the ability to delete Tanzu Kubernetes Grid (TKG) cluster objects in a vSphere Namespace.
Which role would provide the minimum required permissions to perform this operation?

A. Administrator

B. Can View
C. Owner
D. Can Edit

Answer: D

Explanation:
The Can Edit role would provide the minimum required permissions to delete Tanzu Kubernetes Grid (TKG) cluster objects in a vSphere Namespace, as it allows creating, updating, and deleting objects within a namespace.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-C2E9B5C1-D6F1-4E9B

NEW QUESTION 76
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 79
What is the role of vSphere Distributed Services Engine?

A. Provide a live shadow Instance of a virtual machine (VM) that mirror, the primary VM to prevent data loss and downtime during outages
B. Implement Quality of Service (QoS) on network traffic within a vSphere Distributed Switch
C. Provide hardware accelerated data processing to boor.t 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 80
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 81
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 84
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 85
administrator successfully installs VMware ESXi onto the first host of a new vSphere duster 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 esxit101.corp.local.''
• Host FQDN: esxi 101. 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 the vSphsrs Host Client using the FQDN for the exxi101 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 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: 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 86
An administrator Is performing maintenance activities and discovers that a Virtual Machine File System (VMFS) datastore has a lot more used capacity than expected. The datastore contains 10 virtual machines (VMs) and, when the administrator reviews the contents of the associated datastore, discovers that five-virtual machines have a snapshot file (-delta.vmdk flies) that has not been modified In over 12 months. The administrator chei kfl the Snapshot Manager within the vSphere Client and confirms that there are no snapshots visible.
Which task should the administrator complete on the virtual machines to free up datastore space?

A. Consolidate the snapshots for each VM.
B. Inflate the disk files for each VM.
C. Delete all snapshots for each VM.
D. Storage vMotion each VM to another datastore.

Answer: A

Explanation:
Consolidating snapshots for each VM will merge any snapshot files that are not associated with a snapshot in Snapshot Manager into the base disk file and free up

datastore space.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-53F65726-A23B
The presence of redundant delta disks can adversely affect the virtual machine performance. You can combine such disks without violating a data dependency.
After consolidation, redundant disks are removed, which improves the virtual machine performance and saves storage space.

NEW QUESTION 91
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 94
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.
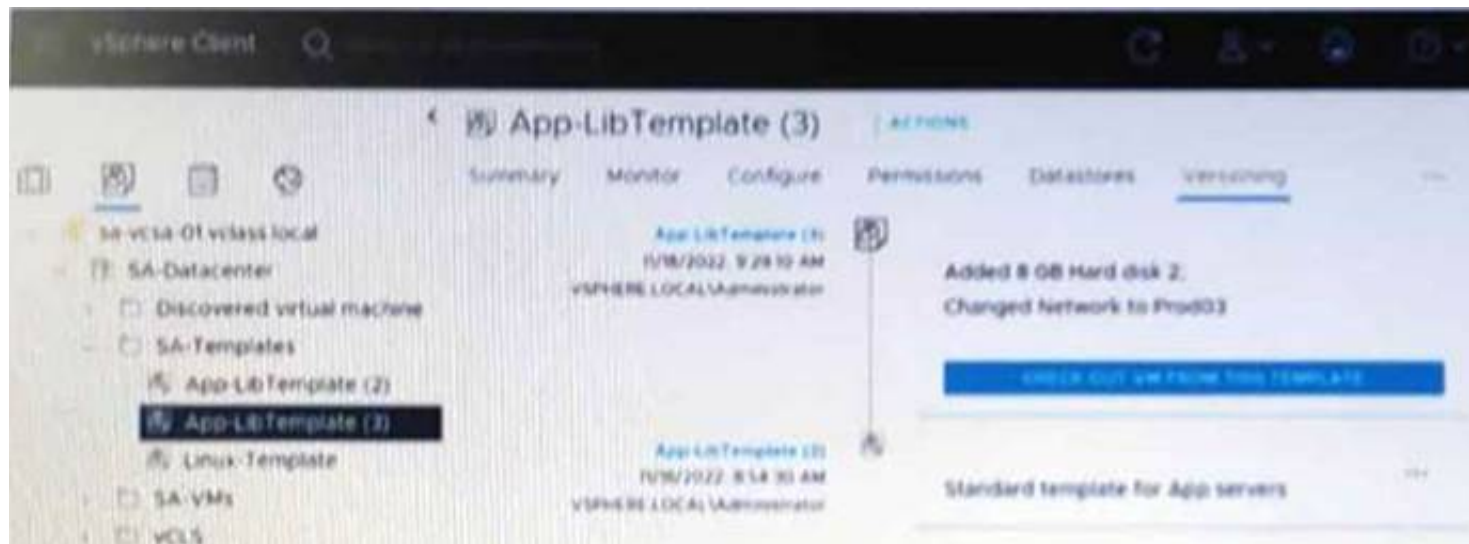The trigger that can be used to quickly identify the issue and alert the administrator so that the issue can be resolved is:
Lost Storage Connectivity
This alert is triggered when an ESXi host loses connectivity to storage devices. In this case, it would alert the administrator to the inconsistent connectivity states of the Fibre Channel adapter12.

NEW QUESTION 96
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-LibTemplete (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 101
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 Faull 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 105
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 instanceUse 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 107
A company has two sites: Site A and Site B. The administrator would like to manage the VMware vCenter inventories in both sites from a single vSphere Client session.
Which vCenter feature must be configured?

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

Answer: D

Explanation:
Option D is correct because it indicates that Enhanced Linked Mode must be configured to allow the administrator to manage the VMware vCenter inventories in both sites from a single vSphere Client session. Enhanced Linked Mode allows multiple vCenter Server instances to share information such as tags, licenses, roles, permissions, and policies. Option A is incorrect because VMware Certificate Authority is a service that provides certificates for vSphere components and does not affect inventory management. Option B is incorrect because VMware Site Recovery Manager is a solution that provides disaster recovery and business continuity for vSphere environments and does not affect inventory management. Option C is incorrect because vCenter Single Sign-On is a service that provides authentication and authorization for vSphere components and does not affect inventory management. References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-9F9E3F8C-0E2B-4B

NEW QUESTION 109
After adding a new vSphere ESXi host with identical hardware configuration to an existing vSphere cluster, which task would an administrator complete prior to checking the compliance with an existing host profile?

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

Answer: A

Explanation:
The task that should be completed prior to checking the compliance with an existing host profile is to attach the host profile to the new host, which allows applying the configuration template of the reference host to the new host.
References:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.hostprofiles.doc/GUID-0E5BF330-A76 https://www.nakivo.com/blog/how-to-create-and-set-up-vmware-vsphere-host-profiles/

NEW QUESTION 114

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