Vendor: VMware

Exam Code: 2V0-21.23

Exam Name: VMware vSphere 8.x Professional

Version: 23.061

QUESTION 1

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:
You enable authentication to password protect a content library. The security policy is to protect and enforce strict validation while importing an synchronizing OVF library items.
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-vm-administration/GUID-A58AF4FD-6CBE-4210-9E67-27EFBDCC1EF2.html

QUESTION 2

An administrator is responsible for the management of a VMware vCenter instance that is currently experiencing performance issues. The administrator quickly identifies that the CPU and memory utilization of vCenter is consistently over 80%. Upon further analysis, it seems that the vpxd process is contributing significantly to the performance issue.

A combination of which four steps should the administrator take to resolve the performance issues and ensure that a similar issue can be rectified without requiring downtime to vCenter moving forward? (Choose four.)

A. Gracefully shut down vCenter using the vSphere Client.
B. Enable CPU Hot Add on the vCenter virtual machine.
C. Power on the vCenter Server Appliance using the vSphere Host Client.
D. Enable CPU and Memory Hot Add on the vCenter virtual machine.
E. Add additional CPU and memory to the vCenter Server Appliance.
F. Power on the vCenter Server Appliance using the vSphere Client.
G. Enable Memory Not Add on the vCenter virtual machine.

Answer: ACDE
Explanation:
You cannot enable hot add while a VM is running, so you must shut it down first. B is wrong, you enable CPU & memory hot add, not just CPU. You add additional resources while it is powered off to increase performance. Lastly you must power it back on with the host client. You cannot power on vCenter with the vSphere client when vCenter is not running.

QUESTION 3

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

QUESTION 4
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

QUESTION 5
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:

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

QUESTION 6
An administrator enables Secure Boot on an ESXi host. On booting the ESXi host, the following error message appears:

Fatal error: 39 (Secure Boot Failed)

What is the cause of this issue?

A. The kernel hos been tampered with.
B. The Trusted Platform Module chip has failed.
C. The administrator attempted to boot with a bootloader that is unsigned or has been tampered with.
D. A package (VIB or driver) has been tampered with.

Answer: A
Explanation:
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-security/GUID-5D5EE0D1-2596-43D7-95C8-0B29733191D9.html

QUESTION 7
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

QUESTION 8
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

QUESTION 9
A group of new virtual machines have been deployed using thin-provisioned disks due to the limited storage space available in an environment. The storage team has expressed concern about extensive use of this type of provisioning.
An administrator is tasked with creating a custom alarm to notify the storage team when thin provisioning reaches a certain capacity threshold.
Where must the administrator define this alarm?

A. Datastore
B. Data center
C. Datastore cluster
D. Virtual machine

Answer: A

QUESTION 10
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:
https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-1544C9FE-0B23-434E-B823-C59EFC2F7309.html

QUESTION 11
A VMkernel port is labelled PROD01 and uses the default TCP/IP stack. Currently, this VMkernel port is configured for supporting live virtual machine (VM) migrations.
Which configuration change should the administrator make to isolate live VM migration traffic from other network traffic?

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

Answer: A
Explanation:
Once you set a TCP/IP stack for the VMkernel adapter, you cannot change it later.
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-AA3656B0-005A-40A0-A293-4309C5ACF682.html

QUESTION 12
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 setting from the new host
D. Import the host profile

Answer: A
Explanation:
It is an identical host and a host profile already exists, so attach the existing host profile to the new host.

QUESTION 13
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: C
Explanation:
Hybrid linked mode is to connect a hyperscaler based SDDC such as VMC on AWS and a single SSO is required based on the requirements.

QUESTION 14
An administrator has Windows virtual machines (VMs) and VMware Tools is installed in each VM.
The administrator performs a status check of VMware Tools using vSphere Lifecycle Manager.
What is the VMware Tools status for the Windows VMs if the version of VMware Tools has a known problem and must be immediately upgraded?

A. Version Unsupported
B. Guest Managed
C. Unknown
D. Upgrade Available

Answer: A
Explanation:
If VMware Tools has a known problem, the tools status will be Version Unsupported

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere-lifecycle-manager.doc/GUID-12649CBB-F69A-4199-8957-B4C0170B4E9A.html

QUESTION 15
Which three features are only available when using vSphere Distributed Switches instead of vSphere Standard Switches? (Choose three.)

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

Answer: BCD

QUESTION 16
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 ana set the VM power stale to the suspend to disk option
C. Enable vSphere High Availability (HA) admission control and set the VM power stale 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:
Quick boot + suspend memory allows you to more quickly patch a host when vMotion cannot be used with VMs.
https://kb.vmware.com/s/article/81555

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:
You create a published library at the primary site, subscribed in each secondary site, configure to download when needed (due to limited) space and add the template to the primary site.

QUESTION 18
An administrator is tasked with migrating a single virtual machine (VM) from an existing VMware vCenter to a secure environment where corporate security policy requires that all VMs be encrypted. The secure environment consists of a dedicated vCenter instance with a 4-node vSphere cluster and already contains a number of encrypted VMs.
Which two steps must the administrator take to ensure the migration is a success? (Choose two.)

A. Ensure that the source and destination vCenter instances share the same Key Management Server (KMS).
B. Ensure that Encrypted vMotion is turned off for the VM.
C. Ensure that the VM is encrypted before attempting the migration.
D. Ensure that the VM is powered off before attempting the migration.
E. Ensure that the source and destination vCenter Servers have a different Key Management Server (KMS).

Answer: AC

QUESTION 19
An administrator is tasked with providing users access to objects within an existing VMware vCenter instance. The vCenter inventory has a single data center with one management vSphere cluster and five workload vSphere clusters.
The following requirements must be met for assigning the users access:

- Users must only be able to view all of the inventory objects associated with the management vSphere cluster.
- Users must be able to edit all of the inventory objects associated with the workload vSphere clusters.
- The administrator creates a custom role to provide the permissions needed to allow users to edit inventory objects.

Which series of steps should the administrator complete to assign the custom role and provide the required level of access to users?

A. Apply Global permissions to assign the Read Only role to the root vCenter object.
    Apply vCenter permissions to assign the custom role to the workload vSphere clusters and enable propagation.
B. Apply Global permissions to assign the Read Only role to the root vCenter object and enable propagation.
    Apply vCenter permissions to assign the custom role to the workload vSphere clusters and enable propagation.
C. Apply Global permissions to assign the Read Only role to the root vCenter object.
    Apply vCenter permissions to assign the custom role to the workload vSphere clusters.
D. Apply Global permissions to assign the Read Only role to the root vCenter object and enable propagation.

Apply vCenter permissions to assign the custom role to the workload vSphere clusters.

Answer: D

QUESTION 20
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 撍evert 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-B0E3-A2FBCCE15F1A.html

QUESTION 21
An administrator is planning to upgrade a VMware vCenter instance to version 8. It is currently integrated with the following solutions:

- VMware Aria Automation
- VMware Cloud Director

Which tool can the administrator use to run interoperability reports before the upgrade process?

A. vSphere Update Manager
B. VMware Aria Suite Lifecycle
C. vCenter Server Update Planner
D. vSphere Lifecycle Manager

Answer: C
Explanation:
https://blogs.vmware.com/vsphere/2020/04/vsphere-7-update-planner.html

QUESTION 22
An administrator decides to restore VMware vCenter from a file-based backup following a failed upgrade.
Which interface should the administrator use to complete the restore?

A. Direct Console User Interface (DCUI)
B. vCenter Management Interface (VAMI)
C. vSphere Client
D. vCenter GUI Installer

Answer: D
Explanation:
The vCenter GUI Installer is a graphical user interface that can be used to deploy and restore a vCenter Server appliance. It can be used to restore a vCenter Server appliance from a file-based backup.

QUESTION 23
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:
VM Encryption, cause this is the only option that not require specific hardware.

QUESTION 24
After a number of outages within a production VMware software-defined data center, an administrator is tasked with identifying a solution to meet the following requirements:

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

Which solution should the administrator recommend to meet these requirements?

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

Answer: C

QUESTION 25
An administrator is responsible for performing maintenance tasks on a vSphere cluster.
The cluster has the following configuration:

- Identically configured vSphere ESXi hosts (esx01, esx02, esx03 and esx04)
- All workloads are deployed into a single VMFS datastore provided by the external storage array vSphere High Availability (HA) has not been enabled vSphere Distributed Resource Scheduler (DRS) has not been enabled

Currently, a critical production application workload (VM1) is running on esx01.
Given this scenario, which two actions are required to ensure VM1 continues to run when esx01 is placed into maintenance mode? (Choose two.)

A. Fully automated DRS must be enabled on the cluster so that VM1 will be automatically migrated to another host within the cluster when esx01 is placed into maintenance mode.
B. VM1 must be manually shut down and cold migrated to another host within the cluster using vSphere vMotion before esx01 is placed into maintenance mode.
C. vSphere HA must be enabled on the cluster so that VM1 will be automatically migrated to another host within the cluster when esx01 is placed into maintenance mode.
D. VM1 must be manually live migrated to another host within the cluster using vSphere vMotion before esx01 is placed into maintenance mode.
E. VM1 must be manually migrated to another host within the cluster using vSphere Storage vMotion before esx01 is placed into maintenance mode.

Answer: AD

QUESTION 26
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:
Network offload is referring to DPU aka SmartNics.
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-41AB1101-D943-490A-BF1A-E53433855C07.html

QUESTION 27
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

QUESTION 28
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 hosts to comply with user-defined affinity and anti-affinity rules following host failures or during maintenance operations

Answer: C
Explanation:
Again referring to SmartNics, which speeds up infrastructure by offloading network data from CPU.
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-networking/GUID-41AB1101-D943-490A-BF1A-E53433855C07.html

QUESTION 29
A vSphere cluster has the following vSphere Distributed Resource Scheduler (DRS) group configuration:

- Virtual machine (VM) group named DB
- Host groups named PROD11 and PROD55

The administrator wants to force the VMs in the DB group to run on the hosts in the PROD11 group. However, if all the hosts in PROD11 go offline for maintenance, then the VMs in the DB group should run on hosts in PROD55.
Which VM/Host rule must the administrator create to ensure that these requirements are met?

A. A preferential rule between the DB group and the PROD11 group
B. A preferential rule between the DB group and the PROD55 group
C. A required rule between the DB group and the PROD11 group
D. A required rule between the DB group and the PROD55 group

Answer: A
Explanation:
A preferential rule between the DB group and the PROD11 group. This is the only rule that accomplish them.

QUESTION 30
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.

Which security policy must the administrator configure?

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

QUESTION 31
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?
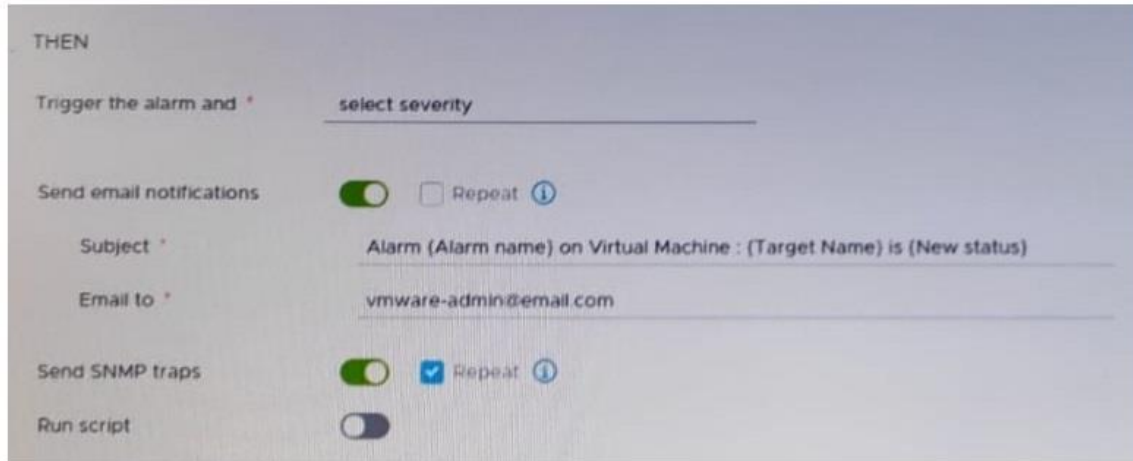
A. In the ESXi host system config
B. In the alarm rule definition
C. In the vCenter settings in the vSphere Client
D. In the vCenter Management Interface

Answer: C

QUESTION 32
An administrator creates a virtual machine that contains the latest company-approved software, tools and security updates. Company policy requires that only full clones are allowed for server workloads.
A combination of which two tasks should the administrator complete to prepare for the deployment of this virtual machine for multiple users? (Choose two.)

A. Set appropriate permissions on the virtual machine.
B. Create a virtual machine customization specification.
C. Upgrade the virtual hardware.
D. Convert the virtual machine to a template.
E. Take a snapshot of the virtual machine.

Answer: BD
Explanation:
Permissions have nothing to do with it full clones.

QUESTION 33

An administrator identifies a snapshot file named "Win10-000001-sesparse.vmdk" on a datastore. Which type of information can be determined about this datastore? (Choose the best answer.)

A. The datastore is formatted as VMFS3.
B. The datastore is formatted as VMFS6.
C. The datastore is a raw device mapping.
D. The datastore is a vSAN datastore.

Answer: B
Explanation:
SEsparse is a default format for all delta disks on the VMFS6 datastores. On VMFS5, SEsparse is used for virtual disks of the size 2 TB and larger.

QUESTION 34
Which feature can an administrator configure to have a copy of critical virtual machines in another cluster? (Choose the best answer.)

A. vSphere Storage vMotion
B. vSphere Fault Tolerance
C. vSphere Replication
D. Instant Clone

Answer: C
Explanation:
vSphere Replication Use Cases:
- Data protection locally, within a single site
- Disaster recovery and avoidance between two sites
- Disaster recovery and avoidance to a service provider cloud
- Data center migration

QUESTION 35
An administrator sees a virtual machine message that reads, "Consolidation is required" in the vSphere Client.
Which action does ESXi take when the administrator completes snapshot consolidation? (Choose the best answer.)

A. Collapses all snapshots in the current snapshot tree
B. Commits redundant delta disks to the base disk
C. Collapses all snapshots into a single snapshot
D. Deletes all snapshots without committing to the base disk

Answer: B

QUESTION 36
During the staging of a patch on a vCenter Server Appliance, an error was encountered and the process stopped. An administrator resolved the root cause and is ready to continue with the staging of the patch.
From the vCenter Management Interface, which action should the administrator take to continue the process from the point at which the error occurred?

A. Use the Stage and Install option to resume the staging.

B. Use the Resume option to resume the staging.
C. Use the Unstage option to restart the staging.
D. Use the Stage Only option to restart the staging.

Answer: B
Explanation:
If vCenter Server encounters a problem staging the patches, the vCenter Server Management Interface displays the Resume button. Correct the problem preventing the patches from staging, and click Resume to finish staging the patches. The staging process resumes from the point at which vCenter Server encountered the problem.

QUESTION 37
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:
You can use the Skip Quickstart button to exit the Quickstart workflow, and continue configuring the cluster and its hosts manually. You can add new hosts individually, and manually configure those hosts. Once skipped, you cannot restore the Quickstart workflow for the cluster.

QUESTION 38
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

QUESTION 39
An administrator plans to update the Supervisor cluster and has noticed some of the Tanzu Kubernetes Grid clusters are running an incompatible version.
Which action must the administrator take before proceeding with the Supervisor cluster update?

A. Update all Tanzu Kubernetes Grid clusters to the latest version prior to the Supervisor cluster update.
B. No action is needed - Tanzu Kubernetes Grid clusters will be updated automatically as part of the update process.

C. No action is needed - Incompatible Tanzu Kubernetes Grid clusters can be manually updated after the Supervisor cluster update.
D. Update incompatible Tanzu Kubernetes Grid clusters prior to the Supervisor cluster update.

Answer: D

QUESTION 40
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
E. vSphere Distributed Resources Scheduler (DRS)
F. Hot Add of CPU or memory

Answer: ACE
Explanation:
The following features are not supported in a virtual machine when VBS is enabled:
- Fault tolerance
- PCI passthrough
- Hot add of CPU or memory

QUESTION 41
An administrator wants to create virtual machine (VM) templates and store them in a content library. The administrator would like to use the content library to manage different versions of these templates so that reverting to an earlier version is an option.
How should the administrator create these templates?

A. Select a VM in the vCenter inventory.
   Clone the VM to the content library as a VM template type.
B. Select a VM template in the vCenter inventory.
   Clone the template to the content library.
C. Export a VM in the vCenter inventory to an OVF template.
   Import the OVF template into the content library.
D. Convert a VM to a template in the vCenter inventory.
   Clone the template to the content library.

Answer: A
Explanation:
Clone the VM to the content library as a VM template type.

QUESTION 42
An administrator is tasked with configuring certificates for a VMware software-defined data center (SDDC) based on the following requirements:

- All certificates should use certificates trusted by the Enterprise Certificate Authority (CA).
- The solution should minimize the ongoing management overhead of replacing certificates.

Which three actions should the administrator take to ensure that the solution meets corporate policy?

(Choose three.)

A. Replace the VMware Certificate Authority (VMCA) certificate with a self-signed certificate generated from the VMCA.
B. Replace the machine SSL certificates with custom certificates generated from the Enterprise CA.
C. Replace the machine SSL certificates with trusted certificates generated from the VMware Certificate Authority (VMCA).
D. Replace the VMware Certificate Authority (VMCA) certificate with a custom certificate generated from the Enterprise CA.
E. Replace the solution user certificates with custom certificates generated from the Enterprise CA.
F. Replace the solution user certificates with trusted certificates generated from the VMware Certificate Authority (VMCA).

Answer: BDE

QUESTION 43
An administrator wants to create a master copy of an existing virtual machine (VM) named "TestApp" and deploy VMs from this master copy whenever a user requests one.
Which method can the administrator use to create a master copy of TestApp? (Choose the best answer.)

A. Deploy from an Open Virtual Machine Format (OVF) template
B. Convert a template to a VM
C. Clone the VM to a template
D. Create a new VM

Answer: C

QUESTION 44
Which feature is a prerequisite for Proactive High Availability (HA)? (Choose the best answer.)

A. vCenter High Availability
B. vSAN Cluster
C. Predictive Distributive Resource Scheduler (DRS)
D. vSphere Distributive Resource Scheduler (DRS)

Answer: D

QUESTION 45
A host profile is updated with a new password that urgently needs to be changed on all hosts attached to the host profile.
Which option would an administrator select to complete the password change? (Choose the best answer.)

A. Copy Settings from Host
B. Remediate
C. Check Host Profile Compliance
D. Edit Host Customizations

Answer: B

QUESTION 46
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

QUESTION 47
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

QUESTION 48
An administrator is tasked with configuring vSphere Trust Authority.
The administrator has completed the following steps:

- Set up the workstation
- Enabled the Trust Authority Administrator
- Enabled the Trust Authority State
- Collected information about the ESXi hosts and vCenter to be trusted

Which step does the administrator need to complete next?

A. Import the Trusted Host information to the Trust Authority Cluster
B. Import the Trusted Cluster information to the Trusted Hosts
C. Create the Key Provider on the Trusted Cluster
D. Import the Trusted Host information to the Trusted Cluster

Answer: A

QUESTION 49
Refer to the exhibit. An administrator set up the following configuration:

- The distributed switch has three ESXi hosts, and each host has two 40 Gbps NICs.
- The amount of bandwidth reserved for virtual machine (VM) traffic is 6 Gbps.
- The administrator wants to guarantee that VMs in the Finance distributed port group can access 50 percent of the available reserved bandwidth for VM traffic.

Given this scenario, what should the size (in Gbps) of the Finance network resource pool be?
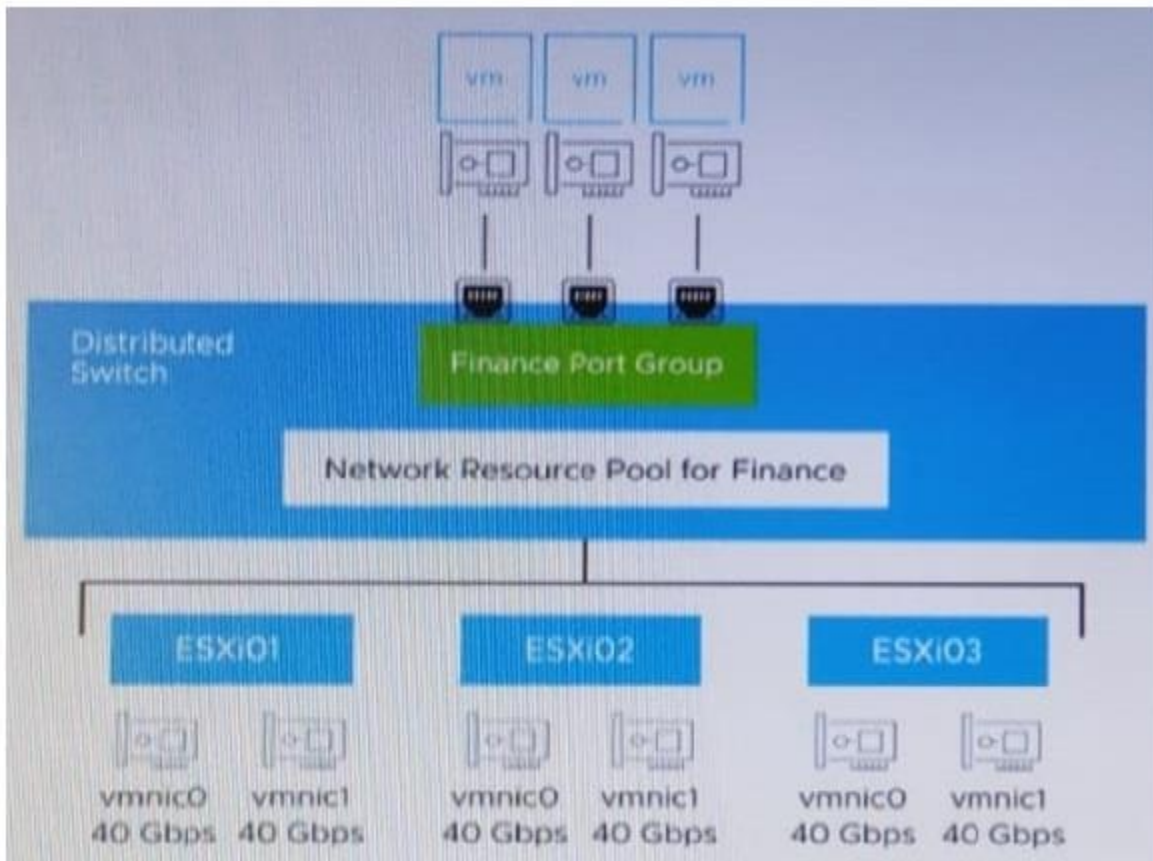
A. 18
B. 80
C. 36
D. 120

Answer: A
Explanation:
It says 50% of the reserved bandwidth. Total reserved bandwidth is 6Gbps x 6 physical NICs = 36Gbps and 50% of that is 18Gbps.

QUESTION 50
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 tor 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: CE
Explanation:
Advanced performance charts for cpu (ready and usage counters) are only for esxi's cpu, but we can only view the same counters individually for every vm's in their monitoring tab. Only esxtop and resxtop are displaying the cpu counters for all the vms of a host in a single view.

QUESTION 51
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 files) that has not been modified in over 12 months. The administrator checks 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:
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.

QUESTION 52
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:
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.

QUESTION 53
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: AD
Explanation:
In a three-zone Supervisor, a namespace resource pool is created on each vSphere cluster that is mapped to a zone. The namespace spreads across all three vSphere clusters in each zone.
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-with-tanzu-concepts-planning/GUID-3E4E6039-BD24-4C40-8575-5AA0EECBBBEC.html

QUESTION 54
An administrator is investigating reports of users experiencing difficulties logging into a VMware vCenter instance using LDAP accounts.
Which service should the administrator check as part of troubleshooting?

A. vSphere Authentication Proxy Service
B. Lookup Service
C. Identity Management Service
D. VMware Authentication Framework Daemon

Answer: C

QUESTION 55
An administrator is looking to deploy a new VMware vCenter instance. The current environment consists of 75 hosts and is expected to grow up to 100 hosts over the next three years.
Which deployment size should the administrator select?

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

Answer: D
Explanation:
Small environment (up to 100 hosts or 1,000 virtual machines)
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-vcenter-upgrade/GUID-752FCA83-1A9B-499E-9C65-D5625351C0B5.html

QUESTION 56
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

QUESTION 57
Following a merger with another company, an administrator is tasked with configuring an identity source for VMware vCenter so that all vSphere administrators can authenticate using their existing Active Directory accounts. Each company has user accounts in their own Active Directory forests. The following additional information has been provided:

The corporate policy states that only Windows-based machine accounts are allowed in Active Directory.

Which action should the administrator take to configure vCenter Single Sign-On (SSO) to meet this requirement?

A. Configure SSO to use Active Directory over LDAP as the identity source.
B. Configure SSO to use OpenLDAP as the identity source.
C. Join the vCenter Server Appliance to the LDAP domain.
D. Configure SSO to use Active Directory (Integrated Windows Authentication) as the identity source.

Answer: A
Explanation:
Integrated Windows Authentication is now depreciated (from v7). The Active Directory over LDAP identity source is preferred over the Active Directory (Integrated Windows Authentication) option.
https://kb.vmware.com/s/article/78506

QUESTION 58
Which two performance tools can be used to monitor virtual machines outside the guest operating system? (Choose two.)

A. vCenter Server performance charts
B. Task Manager
C. top
D. esxtop
E. Perfmon

Answer: AD
Explanation:
Perfmon is an inside OS tool that's why it is wrong
esxtop is used to troubleshoot perf issues.

QUESTION 59
What is the default shutdown order of virtual machines (VMs) on a host? (Choose the best answer.)

A. Alphabetical based on VM names
B. Highest utilization to lowest utilization
C. Largest VM to smallest VM
D. Reverse of the startup order

Answer: D
Explanation:
The order in which virtual machines are powered off is the reverse of their startup order.

QUESTION 60
An administrator is tasked with applying updates to a vSphere cluster running vSAN using vSphere Lifecycle Manager. Downtime to the ESXi hosts must be minimal while the work is completed. The administrator has already completed the following steps and no errors have been returned:

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

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

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

Answer: CE
Explanation:
Generally you would want to patch a vSAN cluster a node at a time (sequentially) so you do not inadvertently cause a storage outage in the cluster. Also, if you look in the link below, you cannot remediate a vSAN cluster in parallel mode:
Parallel remediation is deactivated by default, but you can enable it during remediation or in the vSphere Lifecycle Manager general remediation settings.
You cannot remediate in parallel hosts in a vSAN cluster.
https://docs.vmware.com/en/VMware-vSphere/8.0/vsphere-lifecycle-manager/GUID-26EB282E-AD1E-425A-B4CF-1D70C0DE3C8F.html

QUESTION 61
An administrator is working with VMware Support and is asked to provide log bundles for the ESXi hosts in an environment.
Which three options does the administrator have? (Choose three.)

A. Generate a combined log bundle for all ESXi hosts using the vCenter Management Interface.
B. Generate a separate log bundle for each ESXi host using the vSphere Host Client.
C. Generate a combined log bundle for all ESXi hosts using the vSphere Client.
D. Generate a separate log bundle for each ESXi host using the vSphere Client.
E. Generate a separate log bundle for each ESXi host using the vCenter Management Interface.
F. Generate a combined log bundle for all ESXi hosts using the vSphere Host Client.

Answer: BCD
Explanation:
You cannot generate an ESXi host bundle from the vCenter VAMI (management interface).

QUESTION 62
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 NSX

Answer: C

QUESTION 63
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: BE
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.

QUESTION 64
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 tile other hosts.

Answer: B

QUESTION 65
A vSphere cluster has the following configuration:

- Virtual machines (VMs) are running Production and Test workloads vSphere Distributed Resource Scheduler (DRS) is enabled
- There are no resource pools in the cluster

Performance monitoring data shows that the Production workload VMs are not receiving their fully allocated memory when the vSphere cluster is fully utilized.
A combination of which two steps could the administrator perform to ensure that the Production VMs are always guaranteed the full allocation of memory? (Choose two.)

A. Assign a custom memory share value to the resource pool containing the Production VMs.
B. Assign a memory reservation value to the resource pool containing the Production VMs.
C. Create a parent resource pool for the Production VMs.
D. Create a sibling resource pool for each of the Production and Test VMs.
E. Create a child resource pool for the Test VMs.

Answer: BC
Explanation:
You guarantee resources by setting a reservation on the pool. You cannot set a reservation on a pool that doesn't exist.

QUESTION 66
Which two datastore types store the components of a virtual machine as a set of objects? (Choose two.)

A. VMware Virtual Machine File System (VMFS)
B. VMware vSAN
C. Network File System (NFS) 3
D. vSphere Virtual Volumes (vVols)
E. Network File System (NFS) 4.1

Answer: BD

QUESTION 67
An administrator is tasked with moving an application and guest operating system (OS) running on top of a physical server to a software-defined data center (SDDC) in a remote secure location.
The following constraints apply:

- The remote secure location has no network connectivity to the outside world.
- The business owner is not concerned if all changes in the application make it to the SDDC in the secure location.
- The application's data is hosted in a database with a high number of transactions.

What could the administrator do to create an image of the guest OS and application that can be moved to this remote data center?

A. Create a hot clone of the physical server using VMware vCenter Converter.
B. Create a cold clone of the physical server using VMware vCenter Converter.
C. Restore the guest OS from a backup.
D. Use storage replication to replicate the guest OS and application.

Answer: B

QUESTION 68
An administrator is tasked with configuring an appropriate Single Sign-On (SSO) solution for VMware vCenter based on the following criteria:

- The solution should support the creation of Enhanced Link Mode groups.
- All user accounts are stored within a single Active Directory domain and the solution must support only this Active Directory domain as the identity source.
- All user account password and account lockout policies must be managed within the Active Directory domain.
- The solution should support token-based authentication.

Which SSO solution should the administrator choose based on the criteria?

A. vCenter Identity Provider Federation with Active Directory Federation Services as the identity provider
B. vCenter Single Sign-On with Active Directory over LDAP as the identity source
C. vCenter Single Sign-On with Active Directory (Windows Integrated Authentication) as the identity source
D. vCenter Identity Provider Federation with Active Directory over LDAP as the identity provider

Answer: A
Explanation:
In vCenter Server Identity Provider Federation, vCenter Server uses the OpenID Connect (OIDC) protocol to receive an identity token that authenticates the user with vCenter Server.

QUESTION 69
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

QUESTION 70
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

QUESTION 71
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:
Medium environment (up to 400 hosts or 4,000 virtual machine) 8vCPU 28 GB Mem.

QUESTION 72
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+.

QUESTION 73

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:
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.

QUESTION 74
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-9D17-A89BCB62E6EF.html

QUESTION 75
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-B4D4-2D2E13765715.html