VMware

Exam Questions 2V0-11.25

VMware Cloud Foundation 5.2 Administrator

NEW QUESTION 1
An alert in SDDC Manager indicates that the health status of the vSAN cluster is degraded.
Which tool within VMware Cloud Foundation should be used to gather detailed logs and perform in-depth troubleshooting for the vSAN issues?

A. Aria Operations for Logs
B. SDDC Manager
C. vCenter Server
D. Aria Operations for Networks

Answer: A

Explanation:
Aria Operations for Logs (formerly known as vRealize Log Insight) is used to collect, analyze, and troubleshoot logs from various components within VMware Cloud Foundation, including the vSAN cluster. It provides detailed insights into the logs, allowing administrators to perform in-depth troubleshooting of issues like degraded health statuses.

NEW QUESTION 2
An administrator needs to configure Network IO Control (NIOC) on a Virtual Distributed Switch (VDS) to prioritize storage traffic over other types of traffic.
Which two steps should be followed? (Choose two.)

A. Disable all other traffic types to ensure storage traffic gets full bandwidth.
B. Navigate to the VDS settings in the vSphere Client and enable NIOC.
C. Migrate all VM traffic to a standard switch.
D. Create a new port group specifically for storage traffic.
E. Assign shares and limits to the new port group to prioritize the storage traffic.

Answer: BE

Explanation:
Network IO Control (NIOC) must be enabled on the Virtual Distributed Switch (VDS) via the vSphere Client to begin configuring and managing bandwidth allocation and prioritization for different types of traffic.
After enabling NIOC, you can assign shares and limits to the specific port group (in this case, for storage traffic) to prioritize the traffic over other types of network traffic.

NEW QUESTION 3
Which two SDDC Manager operations can be executed on an NSX Edge cluster after it has been deployed? (Choose two.)

A. Redeploy
B. |Sync
C. Expand
D. Delete
E. Shrink

Answer: BD

Explanation:
After an NSX Edge cluster has been deployed, you can perform a sync operation to ensure the NSX Edge cluster is in sync with the configuration in SDDC Manager.
Deleting an NSX Edge cluster can be done after it has been deployed if it is no longer required or needs to be removed from the environment.

NEW QUESTION 4
As part of the preparation for deploying VMware Aria Suite Lifecycle, an administrator needs to create Application Virtual Networks (AVNs).
Which three steps are necessary to complete the configuration of AVNs? (Choose three.)

A. Setup routing policies for AVNs.
B. Configure the AVNs in the NSX Manager.
C. Assign AVNs to specific ESXi hosts.
D. Enable AVNs in the vCenter Server.
E. Define the IP address ranges for the AVNs.

Answer: BCE

Explanation:
Configure the AVNs in the NSX Manager: AVNs (Application Virtual Networks) are configured within NSX Manager to define the network segments and ensure proper network segmentation for workloads.
Assign AVNs to specific ESXi hosts: After configuring the AVNs in NSX Manager, they need to be assigned to the appropriate ESXi hosts to ensure they are properly mapped to the compute resources.
Define the IP address ranges for the AVNs: Each AVN must have an associated IP address range to provide network addressing for the workloads deployed on them.

NEW QUESTION 5
An administrator needs to configure and manage storage resources and policies to optimize performance of a VCF environment configured with vSAN.
What two steps should the administrator take? (Choose two.)

A. Enable vSphere HA to ensure high availability and resource distribution.
B. Monitor the vSAN performance service for insights into the performance issues.
C. Analyze the current vSAN storage policies and adjust them as needed.

D. Disable vSAN health alerts to reduce administrative overhead.
E. Decrease the number of disk groups per host to improve performance.

Answer: BC

Explanation:
The vSAN performance service provides valuable insights into the storage performance, helping identify potential bottlenecks or areas for improvement. Analyzing and adjusting vSAN storage policies is crucial for ensuring optimal performance. Policies such as RAID levels, storage encryption, and other settings can be tweaked to better match the environment's performance requirements.

NEW QUESTION 6
A cloud administrator recently deployed a new VI workload domain. As part of the initial VI domain creation, the administrator created a new SSO domain. However, they reconsidered and now want the domain to use the same SSO domain as the management domain.
How can the VI domain be changed from a dedicated SSO domain to sharing the SSO domain with the management domain?

A. From the SDDC Manager console, use the rsautil command to add the VI workload domain to the management domain SSO ring.
B. The vSphere SSO domain cannot be changed once it has been deployed and a new VI workload domain that is part of the Management SSO domain must be created, and workloads migrated.
C. From the VI Workload Domain vCenter Server instance, use the rsautil command to join the management domain SSO ring.
D. From the Management Domain vCenter Server instance, use the rsautil command to add the VI workload domain to the management domain SSO ring.

Answer: B

Explanation:
Once the vSphere Single Sign-On (SSO) domain is set up for a workload domain, it cannot be changed. If you need the VI workload domain to use the same SSO domain as the management domain, you must create a new VI workload domain that is part of the management domain's SSO ring, and then migrate the workloads to the new domain.

NEW QUESTION 7
What is the primary benefit of creating a VM template in VMware vCenter?

A. It enables direct physical access to the underlying hardware.
B. It accelerates the deployment of VMs with predefined configurations.
C. It provides enhanced network security for VMs.
D. It simplifies the process of taking snapshots of VMs.

Answer: B

Explanation:
The primary benefit of creating a VM template in VMware vCenter is that it allows for the rapid deployment of virtual machines (VMs) with predefined configurations, including the operating system, installed applications, and other settings. This accelerates the process of provisioning VMs, ensuring consistency and saving time during deployment.

NEW QUESTION 8
What is the primary purpose of configuring a Key Management Server (KMS) in vCenter for VM Encryption?

A. To provide high availability for virtual machines.
B. To manage encryption keys for securing VM data.
C. To monitor network traffic for VMs.
D. To optimize the performance of encrypted VMs.

Answer: B

Explanation:
The primary purpose of configuring a Key Management Server (KMS) in vCenter for VM Encryption is to manage and store the encryption keys that are used to secure virtual machine data. The KMS ensures that encryption keys are handled securely and provides a central management point for encrypting VMs in a VMware environment.

NEW QUESTION 9
What is the primary purpose of configuring Role-Based Access Control (RBAC) in vCenter?

A. To ensure vCenter runs on multiple operating systems.
B. To provide a method for vCenter to communicate with ESXi hosts.
C. To manage user access and permissions within the vCenter environment.
D. To enable vCenter integration with external storage systems.

Answer: C

Explanation:
Role-Based Access Control (RBAC) in vCenter is used to define and manage user roles and permissions. It allows administrators to control who can access specific resources and perform actions within the vCenter environment. RBAC ensures that users only have access to the areas and tasks they are authorized to interact with, enhancing security and management.

NEW QUESTION 10
An organization requires granular control over vCenter permissions and they need to assign roles to specific user groups.
Which three steps must be followed to assign roles to users or groups in vCenter? (Choose three.)

A. Manually add each user to the role.
B. Navigate to the vSphere Client and choose the object for which they want to assign permissions.
C. Choose 'Add Permission' from the context menu.
D. Choose the role to assign from the predefined list of roles.
E. Assign the role to a user or group from the identity source.

Answer: BCD

Explanation:
To assign roles to users or groups in vCenter, you first need to navigate to the vSphere Client and select the object (such as a datacenter, cluster, or host) where the permissions will be applied.
After selecting the object, you use the 'Add Permission' option from the context menu to start the process of assigning permissions.
You then select the role you want to assign, which will be from the predefined list of roles in vCenter. These roles define the level of access for the user or group.

NEW QUESTION 10
A VMware Cloud Foundation administrator notices that the SDDC Manager dashboard shows an alert indicating that one of the ESXi hosts in their workload domain is in a Not Responding state.
What is the first troubleshooting step that should be performed to resolve this issue?

A. Remove and re-add the ESXi host to the workload domain.
B. Upgrade the ESXi host to the latest version.
C. Check the network connectivity between the ESXi host and the SDDC Manager.
D. Reboot the ESXi host from the SDDC Manager interface.

Answer: C

Explanation:
When an ESXi host is in a "Not Responding" state in VMware Cloud Foundation, the first step in troubleshooting is to check the network connectivity between the ESXi host and the SDDC Manager. Network issues (e.g., misconfigured VLANs, firewall settings, or network outages) are often the primary cause of communication problems between SDDC Manager and the ESXi host.

NEW QUESTION 15
After a scheduled maintenance window, users report that they are unable to access the vCenter Server. The administrator notices that the vSphere Client is not responding.
What step should the administrator take to troubleshoot this issue?

A. Review the firewall rules on the vCenter Server.
B. Check the network connectivity between the vCenter Server and the ESXi hosts.
C. Verify that the vCenter Server is powered on and its services are running.
D. Restart the vSphere Client service on the vCenter Server.

Answer: C

Explanation:
When users are unable to access the vCenter Server and the vSphere Client is not responding, the first step is to check if the vCenter Server is powered on and whether its essential services are running. This can include services like the vCenter Server service, vSphere Web Client service, and other related services that enable access to the vCenter Server. If the services are stopped or unresponsive, restarting them may resolve the issue.

NEW QUESTION 19
Which tool is most appropriate for analyzing detailed network performance metrics in a vSphere environment?

A. vSphere CLI
B. vSphere Client
C. vSAN Health Service
D. Aria Operations

Answer: D

Explanation:
Aria Operations (formerly vRealize Operations) is the most appropriate tool for analyzing detailed network performance metrics in a vSphere environment. It provides comprehensive monitoring, analytics, and performance management, including network performance metrics across the vSphere infrastructure.

NEW QUESTION 24
An administrator needs to ensure that network traffic is protected from interception and tampering during VM migration activities. What feature or setting should the administrator enable to achieve this?

A. Encrypted vSphere vMotion
B. vSphere Virtual Machine Encryption
C. vSphere DRS
D. vSphere HA

Answer: A

Explanation:
Encrypted vSphere vMotion ensures that network traffic is protected from interception and tampering during VM migration activities by encrypting the vMotion traffic. This feature secures the transfer of virtual machines across hosts in the vSphere environment.

NEW QUESTION 25
An administrator needs to ensure that specific virtual machines within a VMware Cloud Foundation environment use storage that can tolerate at least two host failures. As resources are limited, the configuration should use the available resources as efficiently as possible.
Which three steps should be performed to configure a storage policy that meets the requirements? (Choose three.)

A. Create a new VM Storage Policy in the vSphere Client.
B. Set Failures to Tolerate to "2 failures - RAID-1 (Mirroring)" in the policy configuration.
C. Reconfigure the existing Default Storage Policy in the vSphere Client.
D. Apply the storage policy to the target VMs.
E. Set Failures to Tolerate to "2 failures - RAID-6 (Erasure Coding)" in the policy configuration.
F. Configure the policy to use thin provisioning.

Answer: ADE

Explanation:
A new VM storage policy needs to be created in the vSphere Client to define specific requirements for the storage configuration, including tolerance for two host failures.
Once the storage policy is created, it must be applied to the specific virtual machines that require the storage configuration that tolerates two host failures.
To ensure the storage configuration tolerates two host failures efficiently, RAID-6 (Erasure Coding) is the appropriate choice. RAID-6 can tolerate two host failures while minimizing resource usage compared to other configurations like RAID-1.

NEW QUESTION 30
An administrator is troubleshooting a high CPU usage issue in a VMware Cloud Foundation environment running IaaS Control Plane. Several namespaces are reporting degraded performance.
What two steps should the administrator take to diagnose and potentially resolve the issue? (Choose two.)

A. Reboot the supervisor cluster to clear any temporary issues.
B. Reconfigure the DRS settings to be more aggressive in load balancing.
C. Review the CPU usage of the ESXi hosts to identify any that are overcommitted.
D. Upgrade the vSphere version to the latest release.
E. Check the resource limits and reservations set on the Kubernetes namespaces.

Answer: CE

Explanation:
The administrator should review the CPU usage of the ESXi hosts to identify if any hosts are overcommitted. Overcommitted hosts can lead to performance degradation across workloads.
Checking the resource limits and reservations on Kubernetes namespaces is crucial. If the resource limits are too low or improperly configured, it could cause degraded performance for workloads running in those namespaces.

NEW QUESTION 35
An organization is integrating VMware vCenter with Active Directory (AD) to streamline user authentication. As part of this process, the administrator needs to add AD as an identity source in vCenter.
Which three steps must be performed to successfully add AD as an identity source? (Choose three.)

A. Enter the Domain Name and the credentials of an AD user with domain join privileges
B. Configure DNS settings on all ESXi hosts to point to the AD DNS servers.
C. Select 'Add Identity Source' and choose 'Active Directory (Integrated Windows Authentication)'.
D. Reboot the vCenter Server to apply the identity source settings.
E. Navigate to the vCenter Single Sign-On configuration in the vSphere Client.

Answer: ACE

Explanation:
When adding AD as an identity source, you need to enter the Domain Name and provide the credentials of an AD user with domain join privileges to authenticate and add the domain.
In the vSphere Client, you need to select 'Add Identity Source' and choose the appropriate method for AD integration, which is typically 'Active Directory (Integrated Windows Authentication)'.
The process to add AD as an identity source is performed under the vCenter Single Sign- On (SSO) configuration in the vSphere Client.

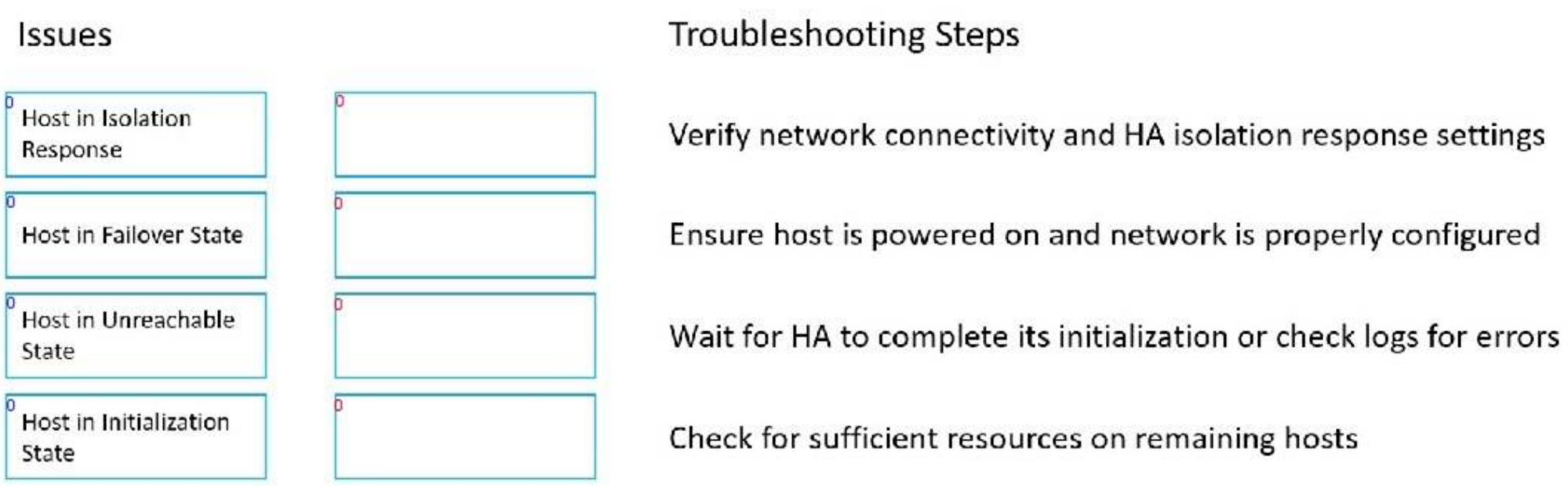
NEW QUESTION 36
An administrator is tasked with performing password rotation for VMware Cloud Foundation components managed by SDDC Manager.
Which action must be taken to complete this task?

A. Use the Async Patch CLI Tool to rotate passwords for all components.
B. Schedule a maintenance window to rotate the passwords to minimize disruption.
C. Manually update the passwords in vCenter Server and NSX Manager.
D. Access the SDDC Manager UI and navigate to the password management section.

Answer: D

Explanation:
Password rotation for VMware Cloud Foundation components is managed via the SDDC Manager UI. In the password management section of the SDDC Manager, administrators can rotate the passwords for various components like vCenter Server, NSX Manager, and other management components.

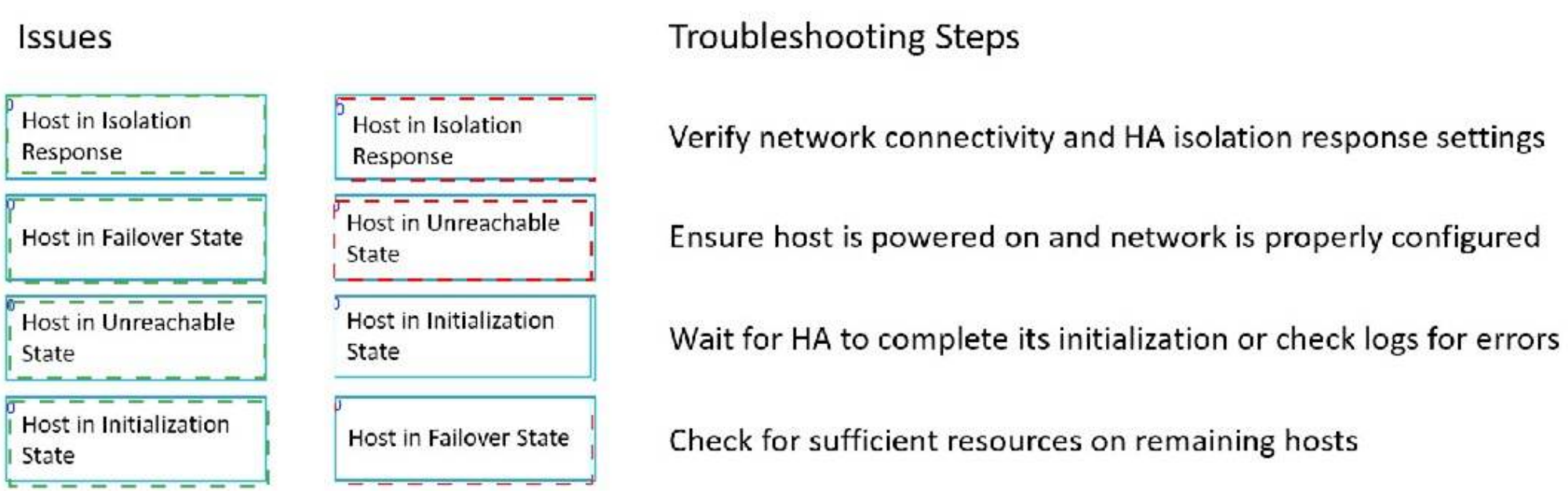
NEW QUESTION 38
DRAG DROP
DRAG DROP
Match each vSphere HA host state issue with its troubleshooting step.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 42
While deploying a new VMware Cloud Foundation environment, a cloud administrator validates the information entered into the Deployment Parameter Workbook. The validation action results in an error and the VMware Cloud Builder GUI error message does not identify the cause.
Which logfile can the administrator use to identify the cause of the validation error?

A. VMware SDDC Manager appliance - vcf-deployment-debug.log
B. VMware Cloud Builder appliance - vcf-bringup-debug.log
C. VMware SDDC Manager appliance - vcf-bringup-debug.log
D. VMware Cloud Builder appliance - vcf-deployment-debug.log

Answer: D

Explanation:
The vcf-deployment-debug.log file on the VMware Cloud Builder appliance contains detailed logs related to the deployment process, including any validation errors. This log will help identify the cause of the error during the deployment validation phase.

NEW QUESTION 46
An administrator logged into NSX Manager to view host details. The administrator noticed that the "Tunnel" status for the ESXi hosts, in the VI workload domain, is showing down.
What is a possible reason the ESXi host tunnels are showing down in NSX?

A. The IGMP has been disabled on the network.
B. The MTU setting for the host TEPs has been set to 1500.
C. The host TEP IP addresses are being dynamically assigned through DHCP instead of being statically assigned.
D. The overlay traffic is being blocked by the gateway firewall.

Answer: B

Explanation:
The "Tunnel" status in NSX indicates the status of the VXLAN tunnels used for communication between ESXi hosts. If the MTU setting for the host Tunnel Endpoint (TEP) is incorrectly set to 1500, this can cause issues with VXLAN encapsulation, as VXLAN packets typically require an MTU of at least 1600 bytes to function correctly. Setting the MTU too low can cause packet drops and result in the tunnel status being down.

NEW QUESTION 51

An administrator needs to secure an ESXi host in their environment by enabling lockdown mode.
What two steps should be taken to secure the ESXi host using lockdown mode? (Choose two.)

A. Navigate to the host's settings in the vSphere Client.
B. Enable "Strict Lockdown Mode" to restrict all direct access to the host.
C. Reboot the host to apply the lockdown settings.
D. Add the host to a dedicated security group in Active Directory.
E. Disable SSH and the ESXi Shell.

Answer: AB

Explanation:
To enable lockdown mode, you first need to navigate to the ESXi host's settings in the vSphere Client, where you can configure security settings such as lockdown mode. Enabling "Strict Lockdown Mode" restricts all direct access to the ESXi host, ensuring that only authorized users can manage the host through vCenter and preventing direct login via the ESXi console or SSH.

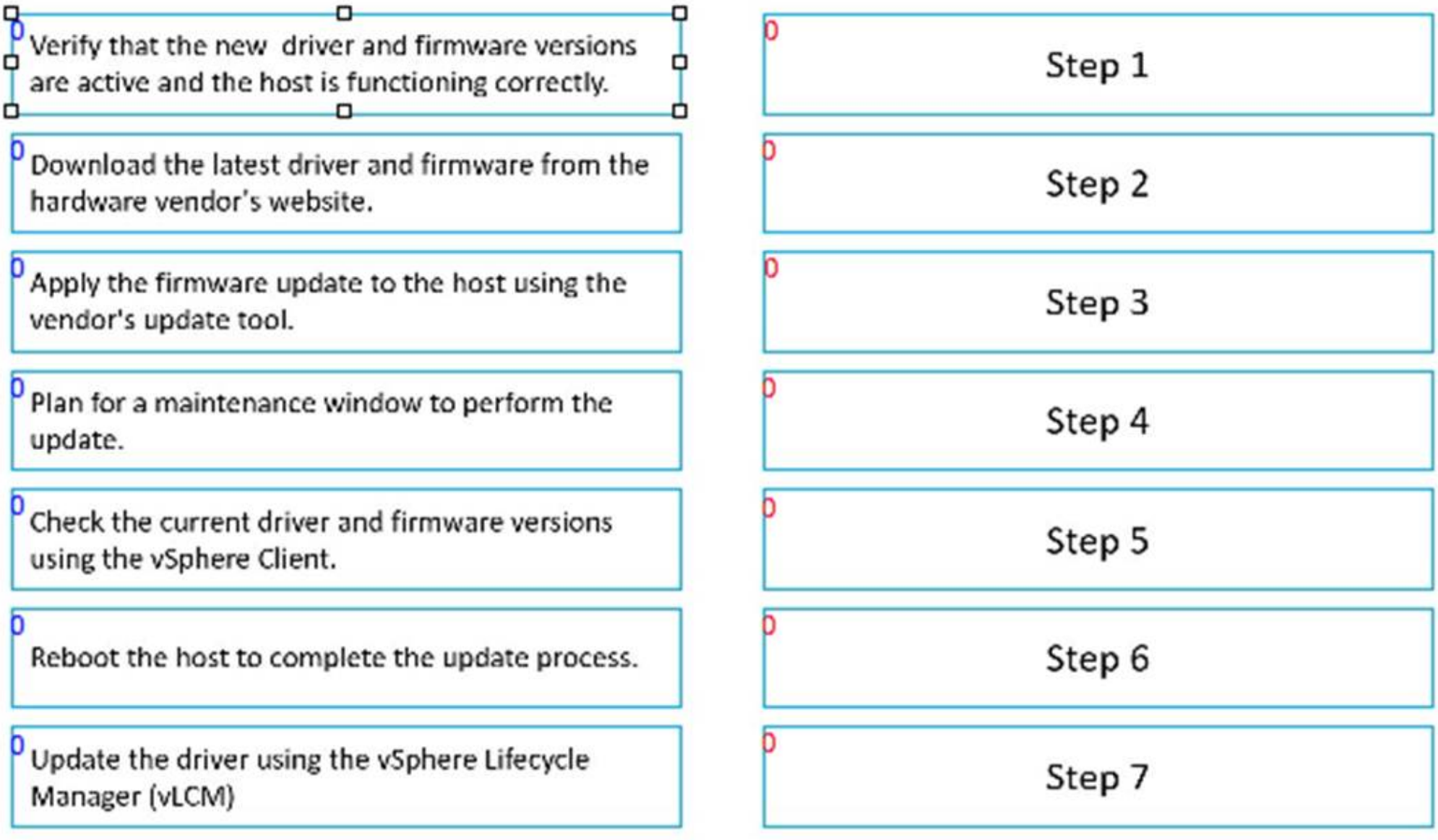
NEW QUESTION 52
An administrator needs to deploy a Kubernetes cluster on a vSphere IaaS control plane (formerly vSphere with Tanzu) to host a new application.
Which three steps should be followed to successfully deploy the Kubernetes cluster? (Choose three.)

A. Configure a Load Balancer for the Kubernetes control plane nodes.
B. Create a new VM template for the Kubernetes nodes.
C. Configure a vSphere Namespace and assign resource quotas.
D. Enable Workload Management on the vSphere Cluster.
E. , Deploy a vSphere Pod Service.

Answer: ACD

Explanation:
A Load Balancer is needed for the Kubernetes control plane nodes to distribute traffic across the control plane and ensure high availability for the Kubernetes management layer. A vSphere Namespace must be configured to define a logical boundary for Kubernetes workloads, and resource quotas help ensure that resources are allocated appropriately for the workloads.
Enabling Workload Management on the vSphere Cluster is necessary to integrate Kubernetes with vSphere and manage the lifecycle of Kubernetes clusters using vSphere with Tanzu.

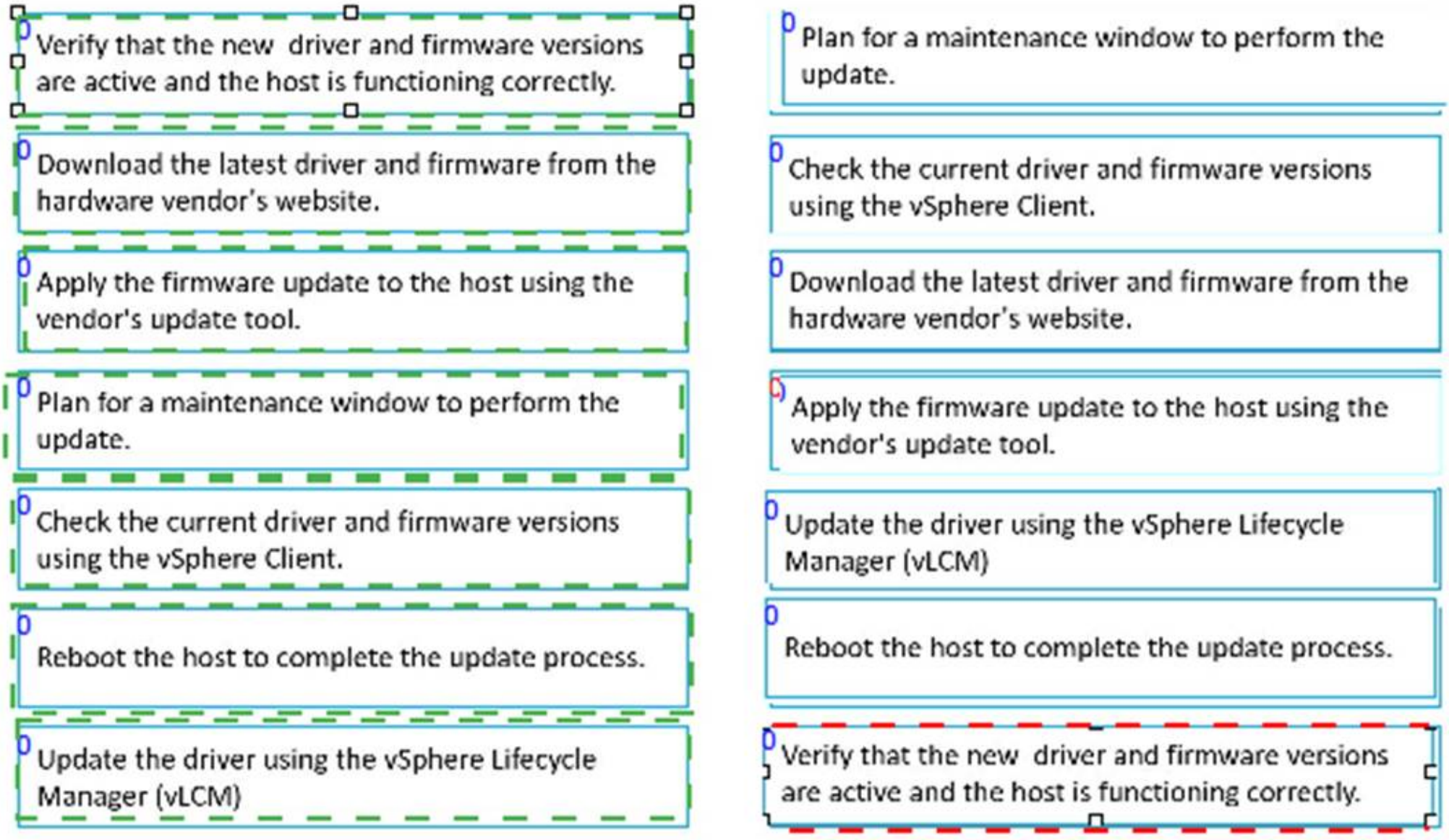
NEW QUESTION 56
DRAG DROP
Put the following steps in the correct order to update the driver/firmware in vSAN.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 58
An administrator has deployed a new VMware Cloud Builder appliance using the downloaded OVF file. While attempting to use the VMware Cloud Builder interface, the administrator discovers that no connection can be established to the appliance.
Which three configuration errors may have occurred? (Choose three.)

A. VLAN misconfiguration.
B. Incorrect DNS settings or inaccessible DNS servers.
C. Incorrect NTP settings or inaccessible NTP servers.
D. Incorrect Static IP configuration.
E. BGP routing misconfiguration.
F. Incorrect Dynamic IP configuration.

Answer: ABD

Explanation:
A VLAN misconfiguration could prevent proper network connectivity, particularly if the appliance is not in the correct VLAN or if there is a misalignment in network segmentation. Incorrect DNS settings or inaccessible DNS servers can prevent the VMware Cloud Builder appliance from being able to resolve hostnames, leading to connection issues.
Incorrect Static IP configuration would result in the appliance being unreachable because it won't have the correct IP address or network configuration to communicate with other components.

NEW QUESTION 62
Which command verifies the successful installation of the Tanzu CLI tools on a developer workstation?

A. vsphere -v
B. tanzu version
C. vicli version
D. vcli --check

Answer: B

Explanation:
To verify the successful installation of the Tanzu CLI tools, you can use the tanzu version command. This command displays the version of the Tanzu CLI, confirming that the tools are properly installed on the developer workstation.

NEW QUESTION 66
What is the primary purpose of configuring VM storage policies in a VMware vSphere environment?

A. To manage network traffic between VMs.
B. To enforce specific storage requirements such as performance, availability, and redundancy.
C. To configure CPU and memory reservations for VMs.
D. To automate the backup of virtual machines.

Answer: B

Explanation:
The primary purpose of configuring VM storage policies in a VMware vSphere environment is to enforce specific storage requirements such as performance, availability, and redundancy. These policies help ensure that virtual machines are placed on datastores that meet the desired service levels and characteristics.

NEW QUESTION 68
A. The FQDN of the Aria Suite Lifecycle appliance

A. The FQDN of the Aria Suite Lifecycle cluster
B. A free IP address on the VMware NSX Tier 0
C. The password for the root account
D. A free IP Address within the cross-region virtual network segment
E. The password for the vcfadmin@local account
F. The password for the admin@local account

Answer: ABDF

Explanation:
The fully qualified domain name (FQDN) of the Aria Suite Lifecycle appliance and cluster are necessary for proper configuration and integration within the VMware Cloud Foundation environment.
The password for the root account is required to authenticate and provide administrative access to the environment.
The password for the vcfadmin@local account is needed to perform administrative tasks related to VMware Cloud Foundation (VCF).

NEW QUESTION 71
An administrator is responsible for monitoring the logs of multiple vSphere components using VMware Aria Operations for Logs. They notice an increase in error logs for a specific ESXi host.
Which two steps should be taken to pinpoint the issue? (Choose two.)

A. Restart the ESXi host to resolve the issue immediately
B. Filter the loos by the ESXi host name and error severity.
C. Correlate the error logs with recent configuration changes on the ESXi host.
D. Check for patterns or repeated error messages over a specific time frame.
E. Delete all old logs to free up space and generate new logs.

Answer: BD

Explanation:
Filtering the logs by the ESXi host name and error severity helps narrow down the logs to those relevant to the specific host and allows for easier identification of significant errors. Checking for patterns or repeated error messages over a specific time frame helps identify the root cause of the issue and determine if the errors are linked to a specific event or condition.

NEW QUESTION 72
An administrator is tasked with enabling Workload Management (vSphere IaaS control plane) on a VMware Cloud Foundation workload domain.
Which three of the following are prerequisites for enabling Workload Management? (Choose three.)

A. Ensure that the cluster has at least three ESXi hosts.
B. Configure NTP and DNS settings for all management components.
C. Install the vSphere Client on all ESXi hosts.
D. Verify that all ESXi hosts are running vSphere 7.0 or later.

Answer: ABD

Explanation:
For Workload Management in VMware Cloud Foundation, a minimum of three ESXi hosts is required to create a robust, highly available vSphere cluster.
Proper NTP and DNS configuration is essential to ensure time synchronization and proper resolution of network names, which are critical for Workload Management.
The hosts must be running vSphere 7.0 or later to be compatible with the latest features and requirements for Workload Management.

NEW QUESTION 77
An organization needs to perform maintenance on a specific host in a vSAN cluster. An administrator is required to put the host into maintenance mode whilst ensuring that all VMs in the cluster remain accessible.
Which three steps should the administrator take to correctly set a vSAN host into maintenance mode? (Choose three.)

A. Migrate all VMs manually from the host before enabling maintenance mode.
B. Choose the "Ensure Accessibility" option to maintain data accessibility.
C. Navigate to the vSAN cluster in the vSphere Client and select the host.
D. Right-click the host and select "Enter Maintenance Mode."
E. Select the "No Data Migration" option to speed up the process.

Answer: BCD

Explanation:
The "Ensure Accessibility" option ensures that all data remains accessible during maintenance while minimizing the impact on performance and data migration.
The administrator must navigate to the vSAN cluster in the vSphere Client to select the host for maintenance mode.
Right-clicking the host and selecting "Enter Maintenance Mode" is the standard action for placing a host into maintenance mode.

NEW QUESTION 82
An organization is looking to streamline its IT service delivery by automating the deployment of applications and infrastructure across its hybrid cloud environment.

Which VMware Aria Suite component should they use?

A. Aria Operations for Networks
B. Aria Operations
C. Aria Operations for Logs
D. Aria Automation

Answer: D

Explanation:
Aria Automation (formerly vRealize Automation) is designed to automate the deployment of applications and infrastructure across hybrid cloud environments. It enables the provisioning, management, and orchestration of IT services, helping organizations streamline their service delivery.

NEW QUESTION 84
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