



## VMware

### Exam Questions 2V0-11.25

VMware Cloud Foundation 5.2 Administrator

#### NEW QUESTION 1

After deploying the VMware Cloud Foundation management domain, an administrator needs to configure backup for the components within the domain. Which two steps are involved in configuring the backup of VMware Cloud Foundation management components? (Choose two.)

- A. Configure an external SFTP backup repository on the SDDC Manager.
- B. Manually export the NSX configuration to the SDDC Manager.
- C. Enable the vCenter Server snapshot manager on the SDDC Manager.
- D. Install a third-party backup solution on each ESXi host.
- E. Create a backup schedule on the SDDC manager to automate taking regular backups.

**Answer:** AE

#### Explanation:

To configure backups for the VMware Cloud Foundation management components, you must set up an external SFTP backup repository within the SDDC Manager. This repository will store the backup files for management components like vCenter, NSX Manager, and SDDC Manager itself. Creating a backup schedule within the SDDC Manager ensures that regular, automated backups are taken, helping to maintain data integrity and recovery options for the management domain.

#### NEW QUESTION 2

During the deployment of a VI workload domain using SDDC Manager, an administrator encounters issues with host configuration. Which three steps should be followed to troubleshoot and resolve the configuration issues? (Choose three.)

- A. Restart the SDDC Manager appliance to reset configurations.
- B. Reconfigure the NSX Edge nodes.
- C. Check the compatibility of the hardware with VMware Cloud Foundation requirements.
- D. Ensure that all ESXi hosts have the correct version of ESXi installed.
- E. Verify that all ESXi hosts are connected to the management network.

**Answer:** CDE

#### Explanation:

Verifying hardware compatibility with VMware Cloud Foundation requirements is essential. If the hardware is not compatible, configuration issues can arise during deployment. Ensuring that the ESXi hosts have the correct version installed is crucial because mismatched versions can lead to configuration failures. Verifying that all ESXi hosts are connected to the management network is important because connectivity issues between hosts and management components can prevent proper configuration during deployment.

#### NEW QUESTION 3

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 4

What is the recommended method for managing IP address allocation for VMware ESXi hosts in a VMware Cloud Foundation environment?

- A. Static IP address assigned using VMware NSX IP Pools
- B. Dynamic IP addresses assigned via DHCP with reservations
- C. Static IP addresses assigned manually
- D. Dynamic IP addresses assigned via DHCP and without any reservations

**Answer:** A

#### Explanation:

In a VMware Cloud Foundation environment, it is recommended to use static IP addresses that are managed via VMware NSX IP Pools. This method ensures consistency, scalability, and centralized management of IP addresses, which is essential for large environments. NSX IP Pools allow for efficient IP address allocation and management.

#### NEW QUESTION 5

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 6**

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 7**

DRAG DROP

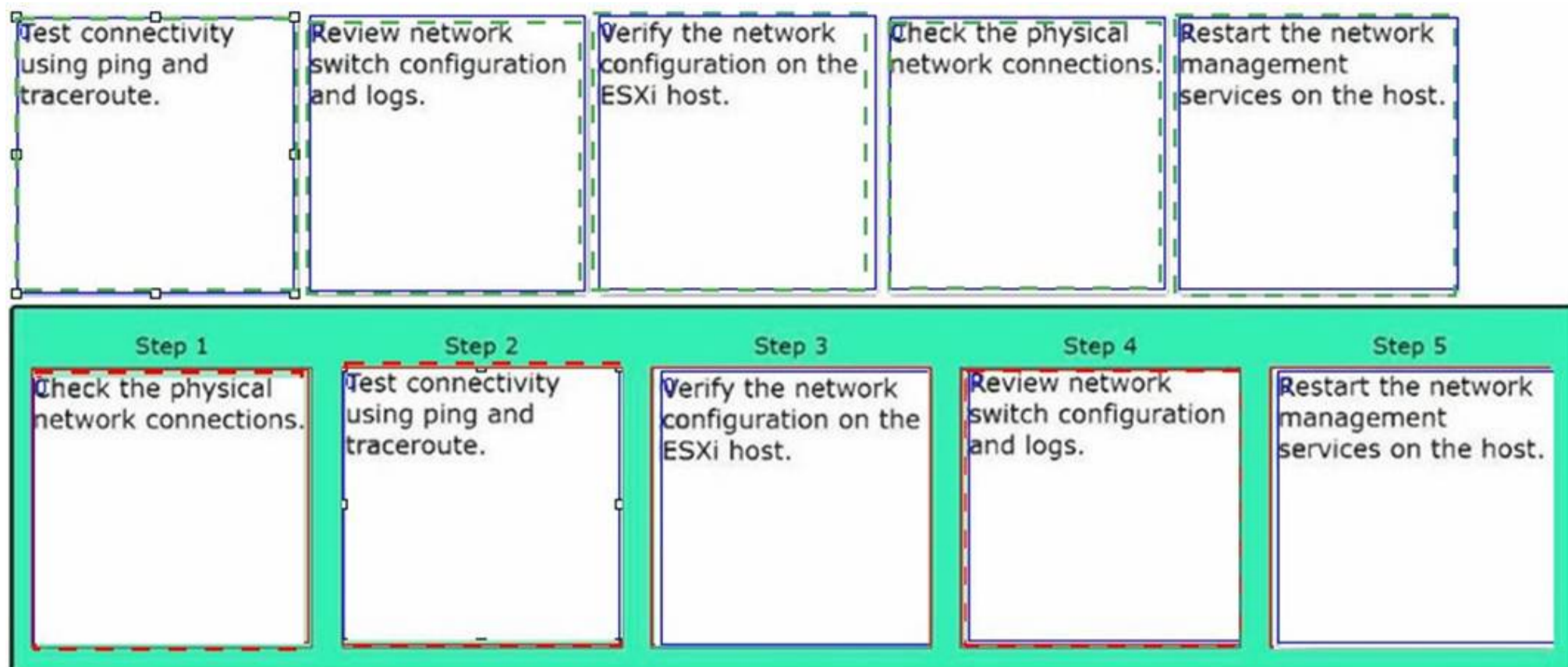
Arrange the steps in the correct order to resolve host connectivity issues.

Test connectivity using ping and traceroute.	Review network switch configuration and logs.	Verify the network configuration on the ESXi host.	Check the physical network connections.	Restart the network management services on the host.
<b>Step 1</b>	<b>Step 2</b>	<b>Step 3</b>	<b>Step 4</b>	<b>Step 5</b>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



### NEW QUESTION 8

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 9

An IT team needs to ensure compliance and security for various database workloads managed by Data Services Manager.

Which three features of Data Services Manager should be leveraged to achieve this? (Choose three.)

- A. Automated patch management for database instances.
- B. Integration with NSX for network security policies.
- C. Encryption of data at rest and in transit.
- D. Role-based access control (RBAC) to restrict database access.
- E. vSphere DRS for resource scheduling.

**Answer:** ACD

#### Explanation:

Automated patch management ensures that database instances are kept up-to-date with the latest patches, which is essential for maintaining compliance and security. Encryption of data at rest and in transit helps protect sensitive database data from unauthorized access and tampering, ensuring compliance with security standards.

Role-based access control (RBAC) restricts database access based on user roles, ensuring that only authorized users have access to sensitive data, which is crucial for compliance and security.

### NEW QUESTION 10

An Administrator is configuring the network within their VCF management domain in preparation to deploy VMware Aria Suite Lifecycle.

What are the two types of virtual networks that the Administrator could configure to support the deployment? (Choose two.)

- A. VLAN-backed Port Groups
- B. Overlay-backed NSX Segments
- C. VXLAN-backed Network Pools
- D. VLAN-backed NSX Segments

**Answer:** AB

#### Explanation:

VLAN-backed Port Groups are used in traditional network environments where VLANs are configured on the physical switches. These port groups can be

configured in the management domain to support network connectivity.

Overlay-backed NSX Segments use NSX to create virtual networks overlaid on existing physical networks, which is essential for network virtualization and communication between virtual machines, especially in a VMware Cloud Foundation environment.

#### NEW QUESTION 10

Which feature of VMware Lifecycle Manager allows an administrator to manage the lifecycle of ESXi hosts by applying a consistent image across the hosts in a cluster? (Choose three.)

- A. Configure a Key Management Server (KMS) and add it to vCenter
- B. Create an encryption policy in vCenter.
- C. Enable SSH on the ESXi hosts to manage encryption keys.
- D. Enable the encryption feature on the ESXi hosts.
- E. Apply the encryption policy to the existing VMs.

**Answer:** ABE

#### Explanation:

A Key Management Server (KMS) is required to manage encryption keys in the environment, ensuring that encrypted data is securely managed across ESXi hosts. Creating an encryption policy in vCenter allows administrators to define how encryption is applied to virtual machines and data. Applying the encryption policy to the existing VMs ensures that the encryption settings are enforced on virtual machines that require protection.

#### NEW QUESTION 13

What is the primary purpose of configuring a Virtual Distributed Switch (VDS) in a vSphere environment?

- A. To automate the deployment of virtual machines.
- B. To provide centralized management of network configurations across multiple ESXi hosts.
- C. To manage storage policies for datastores.
- D. To enable VM snapshots across multiple datastores.

**Answer:** B

#### Explanation:

A Virtual Distributed Switch (VDS) in a vSphere environment enables centralized management of network configurations across multiple ESXi hosts. It simplifies network administration by allowing the administrator to configure network settings, such as VLANs, port groups, and policies, for multiple hosts at once, ensuring consistency and scalability.

#### NEW QUESTION 15

A host in a vSphere environment needs to be taken offline for hardware maintenance. An administrator needs to put the host in maintenance mode without causing VM downtime.

What three steps should the administrator follow? (Choose three.)

- A. Select the "Fractional data migration" option
- B. Migrate all VMs off the host using vMotion
- C. Verify that no VMs are running on the host before maintenance
- D. Select the host and enter maintenance mode from the vSphere Client
- E. Ensure that the host is not part of a vSphere HA cluster

**Answer:** BDE

#### Explanation:

Using vMotion to migrate all virtual machines off the host ensures that there is no downtime for the VMs during the maintenance process. The administrator should then select the host and initiate maintenance mode from the vSphere Client to begin the maintenance process. Ensuring the host is not part of a vSphere HA cluster before maintenance is important to avoid triggering unnecessary VM restarts or failovers during the process.

#### NEW QUESTION 20

The administrator of a VMware Cloud Foundation environment notices that log data from multiple components, including vSphere, NSX, and vSAN, is not being collected properly in Aria Operations for Logs.

What two steps should the administrator perform to resolve this issue? (Choose two.)

- A. Check the network connectivity between the Aria Operations for Logs server and the VMware Cloud Foundation components.
- B. Increase the storage capacity of the Aria Operations for Logs server to accommodate more log data.
- C. Reconfigure the log level settings on all vSphere components to ensure detailed logging.
- D. Verify that the Aria Operations for Logs license is still valid and active.
- E. Ensure that the syslog configuration on each ESXi host is pointing to the correct Aria Operations for Logs server.

**Answer:** AE

#### Explanation:

Ensuring network connectivity between the Aria Operations for Logs server and VMware Cloud Foundation components is crucial. If there are network connectivity issues, logs may fail to be transmitted to the Aria Operations for Logs server. The syslog configuration on each ESXi host must be set correctly to point to the Aria Operations for Logs server to ensure that log data from ESXi hosts is collected and sent to the log management system.

#### NEW QUESTION 23

What are the steps to apply software updates in a VMware Cloud Foundation deployment using the VMware Async Patch CLI Tool?

- A. Upload the patch bundle to SDDC Manager, download the confirmation, and then apply the patch.
- B. Apply the patch directly in the VMware SDDC Manager UI from the Software Depot.

- C. Download the patch bundle, upload the bundle to SDDC Manager, and then apply the patch.
- D. Download the patch bundle, apply the patch directly, and then upload the confirmation to SDDC Manager.

**Answer:** C

**Explanation:**

To apply software updates in a VMware Cloud Foundation deployment using the VMware Async Patch CLI Tool, the process involves downloading the patch bundle, uploading it to SDDC Manager, and then using the appropriate commands or tools to apply the patch. This ensures that the patch is properly staged in the environment and applied to the necessary components.

**NEW QUESTION 28**

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 32**

DRAG DROP

Put the following steps in the correct order to update the driver/firmware in vSAN.

Verify that the new driver and firmware versions are active and the host is functioning correctly.

Download the latest driver and firmware from the hardware vendor's website.

Apply the firmware update to the host using the vendor's update tool.

Plan for a maintenance window to perform the update.

Check the current driver and firmware versions using the vSphere Client.

Reboot the host to complete the update process.

Update the driver using the vSphere Lifecycle Manager (vLCM)

Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

Step 7

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

- Verify that the new driver and firmware versions are active and the host is functioning correctly.
- Download the latest driver and firmware from the hardware vendor's website.
- Apply the firmware update to the host using the vendor's update tool.
- Plan for a maintenance window to perform the update.
- Check the current driver and firmware versions using the vSphere Client.
- Reboot the host to complete the update process.
- Update the driver using the vSphere Lifecycle Manager (vLCM)

- Plan for a maintenance window to perform the update.
- Check the current driver and firmware versions using the vSphere Client.
- Download the latest driver and firmware from the hardware vendor's website.
- Apply the firmware update to the host using the vendor's update tool.
- Update the driver using the vSphere Lifecycle Manager (vLCM)
- Reboot the host to complete the update process.
- Verify that the new driver and firmware versions are active and the host is functioning correctly.

#### NEW QUESTION 34

An organization wants to centralize its VM templates, ISO images, and scripts to streamline deployment processes across multiple sites using Content Libraries. Which three steps are required to create a new Content Library? (Choose three.)

- A. Configure the library to automatically sync with the vSphere Update Manager.
- B. Choose "Create a new library" and enter a name and description for the library.
- C. Select "Local content library" and choose the datastore to store the library contents.
- D. Navigate to the Content Libraries section in the vSphere Client.
- E. Add the necessary permissions to allow users to upload content to the library.

**Answer:** BCD

#### Explanation:

When creating a new Content Library, you first need to specify a name and description to define the library's purpose. For a Local Content Library, you need to choose the datastore where the library contents will be stored. This is essential for proper organization and accessibility of content. To create and manage content libraries, you must navigate to the Content Libraries section in the vSphere Client.

#### NEW QUESTION 35

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 39

An administrator is tasked with deploying a new application that requires both virtual machines and containers. Which two components of VMware Cloud Foundation would be utilized to provide a unified platform for managing these workloads? (Choose two.)

- A. Aria Operations
- B. IaaS Control Plane
- C. HCX
- D. NSX
- E. Aria Suite Lifecycle

**Answer:** AD

**Explanation:**

Aria Operations: Aria Operations (formerly vRealize Operations) provides a unified platform for managing both virtual machines (VMs) and containers, offering monitoring, analytics, and performance management for the entire environment.

NSX: NSX provides network virtualization and security, which can be used to manage network traffic for both VMs and containers, offering a consistent networking model for both workloads.

**NEW QUESTION 40**

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 45**

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