



# VMware

## Exam Questions 2V0-11.25

VMware Cloud Foundation 5.2 Administrator

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#### 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

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 3

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 4

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 5

DRAG DROP  
DRAG DROP

Match each troubleshooting task with its relevant procedure or tool.

**Tasks**

Setting a host in maintenance mode	
Resolve host connectivity issues	
Resolve certificate issues	
Troubleshoot snapshot issues	

**Procedures/Tools**

- Use the Certificate Manager tool
- Right-click the host and select "Enter Maintenance Mode"
- Check physical connections and network configuration
- Check for orphaned snapshots and consolidate if necessary

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Tasks**

Setting a host in maintenance mode	Resolve certificate issues
Resolve host connectivity issues	Setting a host in maintenance mode
Resolve certificate issues	Resolve host connectivity issues
Troubleshoot snapshot issues	Troubleshoot snapshot issues

**Procedures/Tools**

- Use the Certificate Manager tool
- Right-click the host and select "Enter Maintenance Mode"
- Check physical connections and network configuration
- Check for orphaned snapshots and consolidate if necessary

**NEW QUESTION 6**

An organization is implementing a downtime avoidance solution and wants to ensure continuous availability of applications across separate sites that are connected via a high bandwidth/low latency link.

Which two VMware Cloud Foundation components support this capability with stretched clusters? (Choose two.)

- A. vSAN
- B. vSphere
- C. NSX Firewall
- D. vVOL
- E. vSphere Replication

**Answer:** AB

**Explanation:**

vSAN: vSAN supports stretched clusters, allowing data to be mirrored across multiple sites to ensure continuous availability and enable high availability for virtual machines in case of a site failure.

vSphere: vSphere also supports stretched clusters, enabling the high availability of applications across multiple sites by allowing virtual machines to be run on either site in the event of a failure.

**NEW QUESTION 7**

Which three tasks are performed by Cloud Builder during the bring-up process of a VMware Cloud Foundation solution? (Choose three.)

- A. SDDC manager deployment
- B. NSX Edge cluster deployment
- C. Aria Suite Lifecycle Manager deployment
- D. vVols storage configuration for all management hosts
- E. vSphere HA/DRS cluster creation and configuration
- F. vCenter and NSX Manager cluster deployment

**Answer:** ABF

**Explanation:**

Cloud Builder deploys the SDDC Manager, which is responsible for managing and automating the VMware Cloud Foundation environment.

Cloud Builder deploys the NSX Edge cluster as part of the network configuration during the bring-up process. Cloud Builder also deploys the vCenter and NSX Manager clusters to ensure proper management and network virtualization for the VMware Cloud Foundation environment.

#### NEW QUESTION 8

Which is the appropriate first action to take to resolve dropped network packets on an ESXi host?

- A. Check physical network switch configuration
- B. Enable Storage I/O Control
- C. Increase the CPU and memory allocation for VMs
- D. Migrate VMs to another data store

**Answer:** A

#### Explanation:

Dropped network packets are often caused by misconfigurations or issues at the physical network layer. Checking the physical network switch configuration is the first step to ensure that the network settings, such as VLANs, uplinks, and port configurations, are correctly set up. This ensures proper connectivity and traffic flow for the ESXi host and the VMs.

#### NEW QUESTION 9

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 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?

- A. Host Profiles
- B. Lifecycle Manager Images
- C. Update Manager Baselines
- D. vSphere Auto Deploy

**Answer:** B

#### Explanation:

VMware Lifecycle Manager (vLCM) enables administrators to manage the lifecycle of ESXi hosts by applying a consistent image across the hosts in a cluster. These images include the ESXi version, firmware, drivers, and settings, ensuring consistency and simplifying updates and patches across all hosts in a cluster.

#### NEW QUESTION 12

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 13**

An administrator is preparing to deploy VMware Aria Suite Lifecycle using SDDC Manager. Which three are prerequisites for deploying Aria Suite Lifecycle? (Choose three.)

- A. Ensure that a custom SSL certificate specifying the FQDN of the appliance is available.
- B. Ensure that the NTP and DNS settings specified in SDDC Manager are valid for all management components.
- C. Verify that the password for the admin(g>local user account meets the complexity requirements.
- D. Ensure that the Application Virtual Networks have been configured.
- E. Ensure the VMware Software Install Bundle for VMware Aria Suite Lifecycle is in the local bundle repository.

**Answer:** ABE

**Explanation:**

Ensure that a custom SSL certificate specifying the FQDN of the appliance is available: A custom SSL certificate for the FQDN of the Aria Suite Lifecycle appliance is required for secure communication between components.

Ensure that the NTP and DNS settings specified in SDDC Manager are valid for all management components: Accurate NTP and DNS settings are crucial for time synchronization and proper domain resolution in the environment.

Ensure the VMware Software Install Bundle for VMware Aria Suite Lifecycle is in the local bundle repository: The required software bundle must be available in the local repository to ensure successful deployment.

**NEW QUESTION 15**

When configuring a new port group on a Virtual Distributed Switch (VDS), what is the purpose of setting a VLAN ID?

- A. To manage storage replication settings
- B. To segment and isolate network traffic.
- C. To automate the creation of VMs within the port group.
- D. To enable load balancing across multiple uplinks.

**Answer:** B

**Explanation:**

Setting a VLAN ID on a port group on a Virtual Distributed Switch (VDS) allows for network segmentation by tagging traffic with the appropriate VLAN ID. This enables isolation of network traffic between different VLANs, ensuring that communication is restricted to specific segments of the network as required.

**NEW QUESTION 16**

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 17**

What is the primary benefit of enabling Workload Management on a vSphere Cluster?

- A. It integrates vSphere with third-party cloud providers.
- B. It enhances the security of the vSphere environment.
- C. It allows the deployment of traditional VMs with enhanced performance.
- D. It enables the use of Kubernetes for container orchestration on the vSphere platform.

**Answer:** D

**Explanation:**

Enabling Workload Management on a vSphere Cluster allows the use of VMware vSphere with Tanzu, which enables the deployment and management of Kubernetes clusters directly on vSphere. This integration allows for container orchestration, making it easier to deploy, manage, and scale containerized applications alongside traditional VMs in the same environment.

**NEW QUESTION 20**

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 25**

A company plans to enhance its DevOps practices by implementing Kubernetes as part of VMware Cloud Foundation environment. Which three steps should an administrator complete to achieve this integration? (Choose three.)

- A. Deploy HCX to migrate existing VMs to Kubernetes.
- B. Configure Aria Automation to automate the deployment of Kubernetes clusters.
- C. Deploy NSX to manage the networking for Kubernetes clusters.
- D. Configure vSAN to provide storage for Kubernetes workloads.
- E. Enable IaaS Control Plane on existing vSphere clusters.

**Answer:** BCD

**Explanation:**

Aria Automation (formerly vRealize Automation) can be configured to automate the deployment of Kubernetes clusters, which aligns with DevOps practices by enabling the self-service and automation of Kubernetes infrastructure.

NSX is used to manage networking for Kubernetes clusters, providing features such as network segmentation and micro-segmentation, which are essential for secure and scalable Kubernetes deployments.

vSAN provides the storage infrastructure for Kubernetes workloads, offering distributed and scalable storage that integrates with Kubernetes.

**NEW QUESTION 26**

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 27**

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 31**

An organization has experienced performance issues and requires a detailed analysis of infrastructure performance, capacity, utilization, and compliance using VMware Aria components.

What three steps should be followed to generate and analyze these reports? (Choose three.)

- A. Create custom dashboards to monitor performance metrics
- B. Use Aria Operations for Logs to correlate log data with performance
- C. Access Aria Operations and navigate to the Reports section
- D. Export the reports for further analysis and compliance verification
- E. Run predefined reports on capacity and utilization

**Answer:** ABE

**Explanation:**

Creating custom dashboards in Aria Operations allows administrators to visualize and monitor performance metrics specific to the organization's needs, making it easier to analyze the infrastructure.  
Using Aria Operations for Logs helps correlate log data with performance issues, enabling a deeper analysis and understanding of the root causes of performance problems.  
Running predefined reports on capacity and utilization provides valuable insights into how resources are being consumed, helping identify areas that need optimization or adjustment.

**NEW QUESTION 34**

A newly added ESXi host is not able to communicate with the vCenter Server.  
What three steps should an administrator take to diagnose and resolve this issue? (Choose three.)

- A. Verify the network configuration on the ESXi host
- B. Check the license on the ESXi host
- C. Use the vSphere Client to review the host's network settings
- D. Ensure that the management network is correctly configured and reachable
- E. Restart the management agents on the ESXi host

**Answer:** ADE

**Explanation:**

Verifying the network configuration on the ESXi host ensures that the host is correctly configured for network communication with the vCenter Server. The management network must be properly configured and reachable from the ESXi host to communicate with the vCenter Server. Restarting the management agents on the ESXi host can resolve issues related to communication between the ESXi host and vCenter Server, as sometimes the agents might become unresponsive.

**NEW QUESTION 39**

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

- A. vsphere -v
- B. tanzu version
- C. vcli 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 41**

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 46**

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 48**

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