

# 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

What are three prerequisites for deploying an NSX Edge cluster in a VMware Cloud Foundation solution? (Choose three.)

- A. Verify that the NSX host overlay VLAN and NSX Edge overlay VLAN are routed to each other.
- B. Set up vSAN storage policies for the Edge VMs.
- C. Create DNS entries for the NSX Edge nodes.
- D. Install Aria Operations and enable Edge Cluster monitoring.
- E. Assign separate VLAN IDs and subnets for the NSX host overlay and NSX Edge overlay networks.

**Answer:** ACE

#### Explanation:

The NSX host overlay VLAN and NSX Edge overlay VLAN need to be routed to each other to ensure proper communication between the host and NSX Edge clusters.

DNS entries for the NSX Edge nodes are required to enable name resolution, which is important for the proper functioning of the NSX Edge cluster.

Assigning separate VLAN IDs and subnets for the NSX host overlay and NSX Edge overlay networks is necessary to maintain network isolation and optimize traffic flow between components.

#### NEW QUESTION 3

An organization requires a private cloud with robust availability and disaster recovery capabilities.

Which three VMware Cloud Foundation components should be considered for integration to meet these requirements? (Choose three.)

- A. NSX for secure and isolated networking.
- B. Aria Operations for Logs for enhanced logging and monitoring.
- C. VMware Live Site Recovery (VLSR) for orchestrated disaster recovery.
- D. vSphere Replication for VM-level data replication.
- E. vSAN for hyper-converged storage and downtime avoidance.

**Answer:** ACD

#### Explanation:

NSX provides network virtualization, offering secure, isolated networking that is crucial for ensuring robust availability and disaster recovery. It supports micro-segmentation and advanced network management features.

VMware Live Site Recovery (VLSR) provides orchestrated disaster recovery capabilities, enabling the organization to efficiently recover workloads and applications in case of a disaster.

vSphere Replication enables VM-level data replication, allowing for recovery and continuity of business operations by ensuring data is replicated across sites for high availability and disaster recovery.

#### NEW QUESTION 4

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	Procedures/Tools
Setting a host in maintenance mode	Use the Certificate Manager tool
Resolve host connectivity issues	Right-click the host and select "Enter Maintenance Mode"
Resolve certificate issues	Check physical connections and network configuration
Troubleshoot snapshot issues	Check for orphaned snapshots and consolidate if necessary

#### NEW QUESTION 5

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 6

What is the primary use case for Aria Operations within the VMware Aria Suite?

- A. To manage and analyze log data from various sources
- B. To enable network virtualization and security.
- C. To automate workload deployments across multiple cloud environments.
- D. To provide comprehensive monitoring, analytics, and performance management of the cloud infrastructure.

Answer: D

Explanation:

Aria Operations (formerly known as vRealize Operations) is used to monitor, analyze, and manage the performance of cloud infrastructures, providing insights into capacity, utilization, and overall health. It helps in optimizing resources, preventing downtime, and ensuring the smooth running of applications and services in a VMware environment.

#### NEW QUESTION 7

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 8

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 9**

An administrator is tasked with troubleshooting an issue where some VMs are not appearing in the vCenter inventory after a recent migration to a new vSphere environment.

Which two components should the administrator examine to resolve this issue? (Choose two.)

- A. The storage policies applied to the VMs.
- B. The network settings of the new vSphere environment.
- C. The compatibility of the VM hardware version with the new vSphere environment.
- D. The registration status of the VMs in the new vSphere environment.
- E. The vSphere permissions assigned to the VMs.

**Answer:** CD

**Explanation:**

If the hardware version of the virtual machines is incompatible with the new vSphere environment, the VMs may not appear or may fail to register properly.

Ensuring compatibility between the VM hardware version and the vSphere environment is essential for successful VM migration.

If the VMs are not correctly registered in the new vSphere environment after migration, they won't show up in the vCenter inventory. Checking the registration status helps to identify if this is the issue.

**NEW QUESTION 10**

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**

Which vSphere component is essential for providing persistent storage to Kubernetes workloads deployed on IaaS Control Plane?

- A. Container Image Virtual Disks
- B. Control Plane Storage Policy
- C. Pod Service D vSAN

**Answer:** C

**Explanation:**

The vSphere Pod Service is essential for providing persistent storage to Kubernetes workloads deployed on IaaS Control Plane (formerly vSphere with Tanzu). It enables the integration of Kubernetes with vSphere, allowing the creation of persistent volumes and the management of storage resources for Kubernetes workloads, ensuring that they can utilize vSphere's storage capabilities like vSAN.

**NEW QUESTION 11**

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 15**

An administrator needs to ensure that their VMware Cloud Foundation-based private cloud solution can support multi-tenancy for different departments within their organization.

What two configurations and components are necessary to achieve this? (Choose two.)

- A. Configure vSAN storage policies for each department.
- B. Use vSphere Resource Pools to allocate resources to different departments.
- C. Deploy Aria Automation to enable self-service provisioning for tenants.
- D. Use NSX to create isolated network segments for each tenant.

**Answer:** BD

**Explanation:**

vSphere Resource Pools allow for the allocation of CPU, memory, and storage resources to different departments (tenants) within the VMware Cloud Foundation environment. This ensures that each department has its own dedicated resources, preventing resource contention between them.

NSX can be used to create isolated network segments (logical networks) for each tenant, ensuring network security and segmentation between departments. Each department can have its own isolated network environment.

**NEW QUESTION 16**

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 24**

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 32**

An administrator is tasked with migrating a set of virtual machines between data centers using HCX. To minimize downtime and ensure data consistency, which two HCX migration options should be considered? (Choose two.)

- A. HCX Replication Assisted vMotion (RAV)
- B. HCX Network Extension
- C. HCX Bulk Migration
- D. HCX Cold Migration
- E. HCX vMotion

**Answer:** B

**Explanation:**

VM storage policies in a VMware vSphere environment are used to define and enforce specific storage requirements for virtual machines, such as performance (e.g., IOPS), availability (e.g., RAID levels), and redundancy. These policies ensure that VMs are placed on storage that meets their particular needs and that storage resources are utilized effectively.

**NEW QUESTION 36**

DRAG DROP

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

0

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

0

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

0

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

0

Plan for a maintenance window to perform the update.

0

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

0

Reboot the host to complete the update process.

0

Update the driver using the vSphere Lifecycle Manager (vLCM)

0

Step 1

0

Step 2

0

Step 3

0

Step 4

0

Step 5

0

Step 6

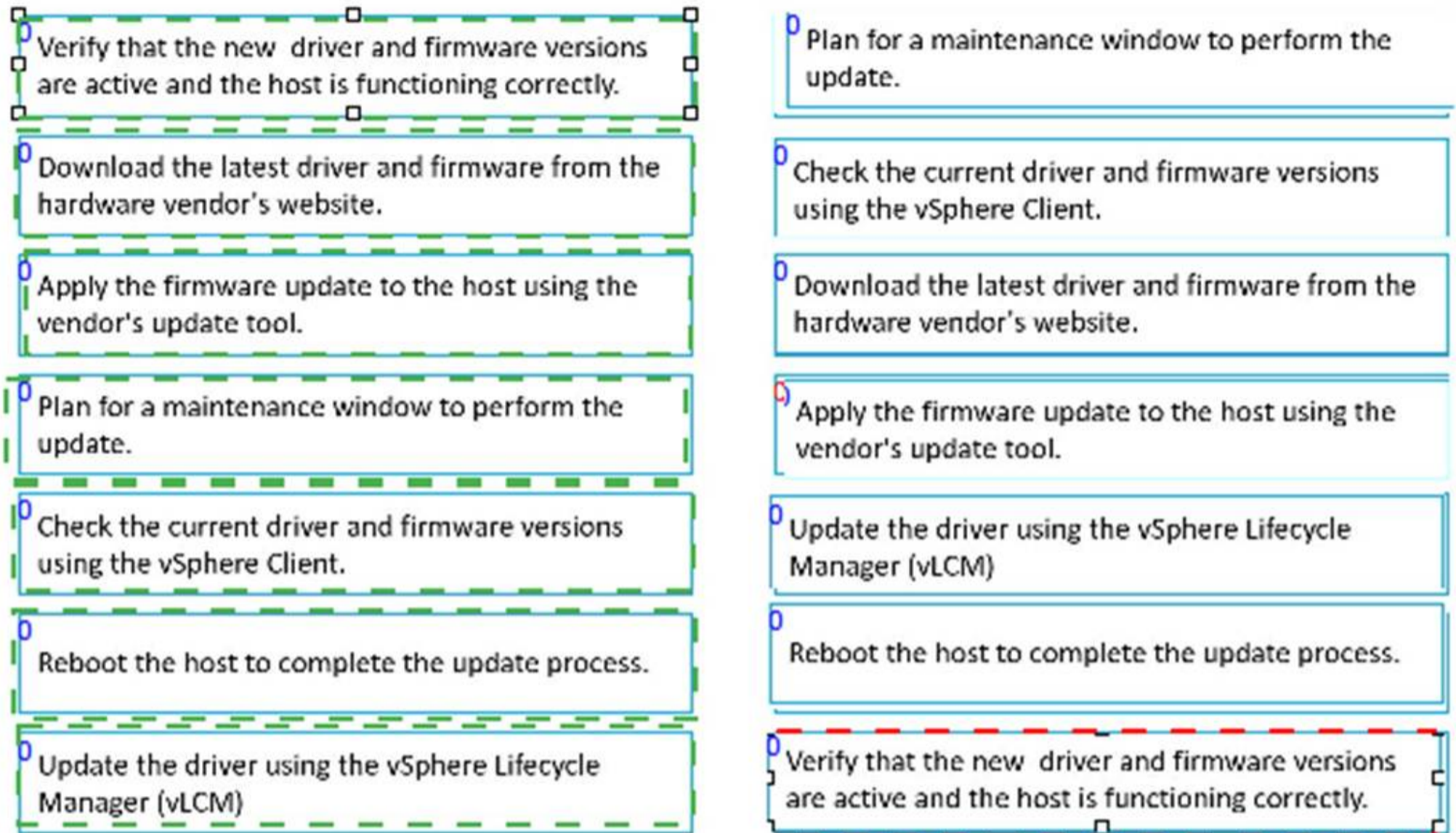
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Step 7

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



#### NEW QUESTION 41

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 43

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 46

Which VMware vSphere feature provides the ability to define and apply datastore capabilities to ensure virtual machines meet specific performance and availability requirements?

- A. Storage Policy Components

- B. Storage Policies
- C. Performance Service
- D. Host Profiles

**Answer:** B

**Explanation:**

Storage Policies in VMware vSphere allow administrators to define and apply specific storage requirements for virtual machines, ensuring they meet desired performance and availability standards. These policies enable the alignment of VM storage needs with the capabilities of the underlying datastores.

**NEW QUESTION 51**

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