

Exam Questions 2V0-11.25

VMware Cloud Foundation 5.2 Administrator

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NEW QUESTION 1

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 2

What is the primary symptom of an issue with vSphere HA host states?

- A. VMs are not being migrated using vMotion
- B. Snapshots cannot be created or consolidated
- C. Hosts frequently disconnect from vCenter Server
- D. HA-protected VMs are not restarted after a host failure

Answer: D

Explanation:

vSphere HA (High Availability) is designed to automatically restart virtual machines on other hosts in the cluster in case of a host failure. If there is an issue with vSphere HA host states, the primary symptom is that HA-protected VMs do not restart after a host failure, which indicates a problem with HA configuration or functionality.

NEW QUESTION 3

A specific VM is unable to communicate with other VMs in the same network. An administrator needs to identify and resolve the network connectivity issue. What three steps should the administrator follow? (Choose three.)

- A. Verify the port group settings and VLAN configuration
- B. Use the ESXi command line to check the status of the VM Kernel adapter
- C. Verify that the VM is connected to the correct port group
- D. Check the network adapter settings in vCenter Server
- E. Restart the VM to reset its network connections

Answer: ACD

Explanation:

Port group settings and VLAN configurations need to be correct for VMs to communicate with each other on the same network. Ensuring they are properly configured is essential. It's important to check that the VM is connected to the correct port group that matches the network configuration of the other VMs. The network adapter settings in vCenter Server should be reviewed to ensure there are no misconfigurations that could prevent network communication.

NEW QUESTION 4

A Cloud Administrator has been tasked with verifying all of the prerequisites are in place prior to deploying VMware Aria Suite Lifecycle. The following information has been provided for the Aria Suite Lifecycle implementation:

hostname: lcm

domain: vcf.company.com IP address: 10.0.0.150/24 IP gateway: 10.0.0.1

Which two items must the Cloud Administrator ensure are available prior to deploying VMware Aria Suite Lifecycle? (Choose two.)

- A. An Application Virtual Network is configured in SDDC Manager
- B. A DNS PTR Record for 10.0.0.1 that points to lcm.vcf.company.com
- C. A DNS A Record for lcm.vcf.company.com that points to 10.0.0.150
- D. An allocated IP address for the NSX standalone Tier-1 Gateway
- E. A CA-signed SSL certificate for Aria Suite Lifecycle added to SDDC Manager

Answer: CD

Explanation:

A DNS A record is necessary to resolve the hostname (lcm.vcf.company.com) to the specified IP address (10.0.0.150) so that it can be correctly accessed during the deployment.

A DNS PTR record is required for reverse DNS lookup, which ensures proper identification of the IP address (10.0.0.1) to the hostname (lcm.vcf.company.com), which is important for network validation during the deployment process.

NEW QUESTION 5

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 6

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 7

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 8

An administrator's passwords for their NSX 'root', 'admin', and 'audit' accounts in the Cloud Foundation management domain expired. The administrator logged into the NSX Manager console and changed the passwords for all three accounts. The passwords are now showing a status of "Disconnected" in the SDDC Manager UI.

- A. In order to correct this issue, how can SDDC Manager be updated with the new passwords?
- B. In SDDC Manager, navigate to Password Management and select the account with the password with a "Disconnected" status, click the vertical ellipsis (three dots), and click Rotate.
- C. In SDDC Manager, navigate to Password Management and select the account with the password with a "Disconnected" status, click the vertical ellipsis (three dots), and click Sync.
- D. In SDDC Manager, navigate to Password Management and select the account with the password with a "Disconnected" status, click the vertical ellipsis (three dots), and click Remediate.

Answer: B

Explanation:

To resolve the issue of disconnected accounts in SDDC Manager after password changes, the administrator must navigate to the Password Management section in the SDDC Manager UI. From there, the administrator can select the affected account, click the vertical ellipsis (three dots), and choose Update to enter the new password for that account, ensuring SDDC Manager is synced with the correct credentials.

NEW QUESTION 9

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

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 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 15

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 20

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 21

An administrator needs to create a custom role in vCenter Server that is part of VMware Cloud Foundation environment to grant specific privileges to a group of users.

Which two actions should be taken to create this custom role? (Choose two.)

- A. Choose the privileges required for the custom role.
- B. Navigate to the Roles section in the vSphere Client.
- C. Apply the custom role to the root of the vCenter Server inventory/.

- D. Assign permissions to the custom role before adding privileges.
- E. Clone an existing role in SDDC Manager to create the custom role.

Answer: AB

Explanation:

When creating a custom role, it is essential to choose the appropriate privileges that the role will require. These privileges define what actions the users in the role can perform. To create and manage roles, you need to navigate to the "Roles" section in the vSphere Client. This is where roles are defined and assigned within the vCenter Server.

NEW QUESTION 22

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 26

An administrator needs to add a new cluster to an existing VI workload domain. The existing cluster in the domain is using NFS as its principal storage. Which principal storage options are available for the new cluster?

- A. vSAN, NFS, or VMFS on Fibre Channel
- B. NFS or vSAN
- C. NFS only
- D. vSAN, NFS, VMFS on Fibre Channel, or vVols

Answer: B

Explanation:

In a VMware Cloud Foundation (VCF) environment, when adding a new cluster to an existing VI workload domain, the new cluster must use the same principal storage as the existing cluster. Since the existing cluster is using NFS, the available storage options for the new cluster would be NFS or vSAN, depending on the configuration.

NEW QUESTION 27

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 31

An organization is planning to manage a diverse set of databases across multiple VMware Cloud Foundation environments.
Which three capabilities of Data Services Manager would help in managing these databases efficiently? (Choose three.)

- A. Centralized monitoring and alerting for all managed databases.
- B. Policy-based backup and recovery for databases.
- C. Automated VM migration between on-premises and cloud environments.
- D. Automated database provisioning and deployment.
- E. Integration with vSAN for optimized storage management

Answer: ABD

Explanation:

Centralized monitoring and alerting for all managed databases: Data Services Manager enables centralized monitoring and alerting for databases across multiple environments, providing visibility and proactive management.
Policy-based backup and recovery for databases: Data Services Manager allows for the implementation of backup and recovery policies to ensure the safety and availability of databases.

Automated database provisioning and deployment: With Data Services Manager, administrators can automate the deployment and provisioning of databases, streamlining the management process.

NEW QUESTION 35

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 37

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 38

An administrator has a requirement to share the contents of a Content Library across multiple vCenter instances. What steps should the administrator perform to meet this requirement?

- A. Create a Subscribed content library on a single vCenter instance and perform a synchronization
- B. Create a Subscribed content library on each vCenter instance and enable publishing
- C. Create a Local content library on each vCenter instance and perform a synchronization
- D. Create a Local content library on a single vCenter instance and enable publishing

Answer: D

Explanation:

To share the contents of a Content Library across multiple vCenter instances, you need to create a Local content library on one vCenter instance and enable publishing. This allows the library to be accessible by other vCenter instances, where they can subscribe to it, ensuring the content is shared.

NEW QUESTION 39

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 42

Which four storage options are available in the SDDC Manager UI during deployment of a VI workload domain in VMware Cloud Foundation? (Choose four.)

- A. iSCSI
- B. NFS
- C. vVol
- D. DATASTOR
- E. VMS on NFS
- F. VMFS on FC
- G. vSAN

Answer: BCFG

Explanation:

NFS: NFS (Network File System) can be used as a storage option during the deployment of a VI workload domain, typically for storing virtual machine files.
vVol: vVol (Virtual Volumes) provides a storage framework to allow for policy-driven management of virtual machine storage.
VMFS on FC: VMFS (VMware File System) on Fibre Channel (FC) provides block-level storage for virtual machines and is widely used in VMware environments.
vSAN: vSAN (Virtual SAN) is VMware's hyper-converged storage solution, which combines compute and storage resources in a VMware environment, and is available as a storage option for a workload domain.

NEW QUESTION 43

An Administrator is tasked with setting up a new workload domain with VMware Cloud Foundation. The workload domain will have the following configuration: vSphere with Tanzu to support Kubernetes workloads NSX for container and virtual machine networking Aria Operations will be configured for monitoring of the infrastructure
Which three steps should be taken to complete the installation and configuration of this workload domain? (Choose three.)

- A. Install Aria Operations agents on all ESXi hosts.
- B. Integrate IaaS Control Plane with the existing vCenter Server.
- C. Configure NSX segments for Kubernetes namespaces.
- D. Deploy the Supervisor Cluster for IaaS Control Plane.
- E. Enable workload management in vCenter Server.

Answer: CDE

Explanation:

NSX segments need to be configured for Kubernetes namespaces to provide network connectivity and isolation for the Kubernetes workloads that will be deployed.
The Supervisor Cluster must be deployed as part of the IaaS Control Plane to manage the Kubernetes workloads and enable vSphere with Tanzu.
Enabling workload management in vCenter Server allows the deployment and management of Kubernetes workloads alongside virtual machines, utilizing vSphere with Tanzu.

NEW QUESTION 48

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