

# VMware 2V0-11.24

## VMware Cloud Foundation 5.2 Administrator

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## Question: 1

What type of workloads is vSphere IaaS control plane primarily designed to support?

- A. Traditional Applications
- B. Virtual Desktops
- C. Containerized Applications
- D. Static Websites

**Answer: C**

Explanation:

It does not focus on static website hosting. It is designed to support containerized applications. It is not primarily focused on virtual desktop infrastructure. It is not primarily designed for traditional applications.

## Question: 2

In which scenario would you use Data Services Manager for database provisioning?

- A. Network Configuration
- B. Resource Allocation
- C. Provisioning Databases
- D. Provisioning VMs

**Answer: C**

Explanation:

It is used for provisioning and managing databases. It is not primarily focused on resource allocation. It does not handle network configuration tasks. It is not specifically used for provisioning virtual machines.

## Question: 3

When would you consider using vSphere IaaS control plane for scaling applications?

- A. Only for VMs
- B. Microservices
- C. Batch Jobs
- D. Monolithic Applications

**Answer: B**

Explanation:

It is not optimized for monolithic applications. It is not primarily designed for batch job processing. It is ideal for deploying and scaling microservices. It is designed to scale containerized applications, not just VMs.

### Question: 4

In a case study, a company is transitioning from a traditional IT infrastructure to VMware Cloud Foundation. What should they prioritize during implementation?

- A. Application Migration
- B. Networking Setup
- C. User Training
- D. Hardware Purchase

**Answer: B**

Explanation:

While acquiring the necessary hardware is important, it should be aligned with the overall implementation strategy, which includes setting up the network infrastructure to support that hardware. While training is essential, it typically comes after the technical components have been set up. Ensuring that the infrastructure is in place is a prerequisite for effective user training. Transitioning to VMware Cloud Foundation involves a significant shift in how networking is managed. Properly configuring the networking environment is critical for ensuring connectivity between components, such as compute, storage, and management layers. It lays the groundwork for the entire cloud infrastructure and ensures that all resources can communicate effectively, which is essential for optimal performance and functionality. This is also a crucial step, but it should occur after the underlying infrastructure, including networking, has been properly configured. Applications depend on the network and resources being ready before they can be migrated successfully.

### Question: 5

In a case study, a company is looking to optimize its resource utilization across multiple clouds. Which VMware Aria component should they utilize?

- A. Aria Network
- B. Aria Operations
- C. Aria Automation
- D. Aria Suite Lifecycle

**Answer: A**

Explanation:

Aria Suite Lifecycle manages component lifecycles, not resource usage. Aria Automation focuses on deploying resources rather than optimizing. Aria Operations is used to optimize and monitor resource utilization. Aria Network is for networking, not for resource optimization.

### Question: 6

What is a common cause of storage performance issues in vSphere?

- A. Network Bandwidth
- B. Over-provisioning Storage
- C. User Permissions
- D. Disk Latency

**Answer: D**

Explanation:

Network Bandwidth affects data transfer speeds over the network but is not typically the direct cause of storage performance issues within vSphere. Over-provisioning Storage can lead to capacity issues but does not directly cause storage performance issues, though it could indirectly affect performance if it leads to overloading physical storage resources. User Permissions do not impact storage performance; they only control access to resources. Disk Latency refers to the delay that occurs when storage devices are too slow to respond to read or write requests, leading to performance bottlenecks. High disk latency can occur due to issues like over-utilization of storage resources, slower-performing disks, or an overloaded storage array, all of which can impact virtual machine performance.

### Question: 7

What does the term 'micro-segmentation' refer to in VMware NSX?

- A. Data Management
- B. Network Isolation
- C. Backup Strategies
- D. Performance Tuning

**Answer: B**

Explanation:

Performance tuning is not the primary focus of micro-segmentation. Backup strategies do not involve micro-segmentation. Micro-segmentation enhances security by isolating workloads at the VM level. Micro-segmentation is not focused on data management.

### Question: 8

When deploying a vSAN cluster, what is a critical step?

- A. Backup Settings
- B. Deploy Cluster
- C. Validate Hardware
- D. Configure Networks

**Answer: C**

Explanation:

Backup settings are important but not critical to initial deployment. You cannot deploy the cluster without ensuring prerequisites are met. It's essential to validate hardware compatibility before deployment. Network configuration is not the first step in vSAN deployment.

### Question: 9

When planning for a VMware Cloud Foundation deployment, which of the following aspects should be assessed? (Select all that apply)

- A. Resource Availability
- B. Security Policies
- C. Network Latency
- D. Compliance Requirements

**Answer: A,B,C,D**

Explanation:

It's important to assess the availability of resources (compute, storage, and network) to ensure that the infrastructure can support the workloads intended to run on VMware Cloud Foundation. This includes checking hardware compatibility and capacity planning. Assessing security policies is crucial to ensure that the deployment adheres to organizational security standards and best practices. This includes evaluating how data will be protected and how access controls will be managed. Network latency assessment is also important as it affects the performance of the applications running in the cloud environment. Low latency is critical for applications that require real-time data access and processing. Understanding compliance requirements is essential to ensure that the deployment meets legal and regulatory obligations. This could include data protection laws, industry standards, and internal policies.

### Question: 10

How can vSphere's High Availability (HA) feature assist in troubleshooting?

- A. Resource Allocation
- B. Automatic VM Restart
- C. Log Analysis
- D. Manual Intervention

**Answer: B**

Explanation:

Resource allocation is managed separately from HA configurations.

HA automatically restarts VMs on available hosts if a host fails.

Log analysis is useful but not directly tied to HA functionality.

Manual intervention is not needed when HA is configured properly.

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