

VMware

Exam Questions 2V0-13.25

VMware Cloud Foundation 9.0 Architect



NEW QUESTION 1

An architect is responsible for designing a new VMware Cloud Foundation (VCF)-based private cloud. During the discovery workshops, the following information was captured from key customer stakeholders:

? The private cloud will operate with three different monitoring levels: Approved infrastructure applications include: Microsoft IIS, SQL Server, MySQL, PostgreSQL, Tomcat Server, and Apache HTTPD
Each workload must subscribe to a monitoring level
Minimal management overhead is required for agent operations

Which two design decision should the architect make to meet the stated monitoring requirements? (Choose two.)

- A. Configure the Service Discovery for all workloads that subscribe to the Self-Managed service
- B. Deploy the Managed Telegraf Agent for all workloads that subscribe to the Fully Managed service
- C. Deploy the Managed Telegraf Agent for all workloads that subscribe to the OS Managed service
- D. Deploy the Managed Telegraf Agent for all workloads that subscribe Self-Managed service
- E. Deploy the Open Source Telegraf Agent for all workloads that subscribe to the Fully Managed service

Answer: BC

NEW QUESTION 2

As part of a design for a VMware Cloud Foundation (VCF) solution, an architect has documented the following dependencies and constraints:

? CONSO01 - Internet access will not be permitted from anywhere within the VCF solution.

? CONS002 - The password must not be stored in plain text anywhere within the VCF solution.

? DEP001 - The customer must make the required VCF binaries accessible to the VCF Installer appliance during the deployment phase.

Which design decision should the architect include in the design for the download of the VCF binaries?

- A. The VCF Installer appliance will be configured to connect to an online depot.
- B. The VCF Installer appliance will be configured to connect to an offline depot.
- C. The Bundle Transfer Utility will be used on the VCF Installer appliance.
- D. The VCF Download Tool will be used on the VCF Installer appliance.

Answer: B

NEW QUESTION 3

An architect is designing a VMware Cloud Foundation (VCF) fleet. The following information has been provided by the customer:

? Due to budget constraints, the solution must utilize the existing server hardware.

? The existing server hardware consists of server models from the same vendor but different generations.

? There are ten servers available for use in this solution.

? Management and Business workloads should be hosted in different clusters.

What design decision should the architect make for the lifecycle management of the solution based on this information?

- A. Use a single vSphere Lifecycle Manager composite image for the management domain cluster.
- B. Use separate vSphere Lifecycle Manager composite images for the management and workload domain clusters.
- C. Use vSphere Lifecycle Manager baselines for the management domain cluster.
- D. Use a single vSphere Lifecycle Manager composite image for the management and workload domain clusters.

Answer: B

NEW QUESTION 4

Discovery: Multiple business units (some from acquisitions) with separate AD instances. Each unit operates independently and requires dedicated development environments.

Requirement: Provide self-service provisioning through VCF Automation. Which two design decisions should be included? (Choose two.)

- A. All tenants will be configured to use the corporate AD instance for authentication.
- B. All tenants will be configured to use their dedicated AD instance for authentication.
- C. A VCF Automation tenant will be created for each business unit.
- D. A VCF Automation project will be created for each business unit.
- E. All projects will be configured to use their dedicated AD instance for authentication.

Answer: BC

NEW QUESTION 5

When designing a backup and recovery solution for VKS clusters, which tool can be leveraged to back up and restore workloads?

- A. Site Recovery Manager
- B. Velero
- C. Restic
- D. VMware Live Recovery

Answer: B

NEW QUESTION 6

A VMware Cloud Foundation (VCF) architect is planning for the expansion of an existing VCF instance.

The existing VCF instance is deployed with a single workload domain. The number of ESXi hosts has grown to the maximum number the existing vCenter can support.

Which design decision would the architect need to make to allow the existing VCF Instance to add more ESXi hosts?

- A. Deploy a second vCenter server appliance within the existing workload domain
- B. Deploy a second workload domain within the existing VCF Instance
- C. Deploy a second cluster within the existing vCenter
- D. Deploy a second VCF Instance within the existing VCF Fleet

Answer: B

NEW QUESTION 7

Which design defines how to arrange and use components and features of the infrastructure to satisfy service dependencies and other relationships specified in the Conceptual Model?

- A. Physical Design
- B. High Availability Design
- C. Configuration Guide
- D. Logical Design

Answer: D

NEW QUESTION 8

An architect is tasked with designing a VMware Cloud Foundation (VCF) solution for a financial services organization to modernize its core banking applications and high-frequency trading systems using vSAN.

The following requirements were gathered:

- For critical transactional database workloads, the solution must provide low-latency and high performance storage.
- For all non-critical workloads, the solution must provide the most efficient capacity utilization.

Which three design decisions would the architect make to meet the requirements for the workload domain cluster? (Choose three.)

- A. Configure vSAN Policies (RAID-5) for all critical transactional database workloads.
- B. Deploy a vSAN OSA (All-NVMe) cluster with a minimum of 4 nodes.
- C. Deploy a vSAN ESA cluster with a minimum of 6 nodes.
- D. Configure vSAN Policies (RAID-5/6) for all non-critical workloads.
- E. Configure vSAN Policies (RAID-1) for all workloads.
- F. Configure vSAN Policies (RAID-1) for all critical transactional database workloads.

Answer: CDF

NEW QUESTION 9

Requirement: The solution must identify any configuration changes made to the Management Infrastructure every 30 days.

Which three design decisions should the architect make to meet the stated requirements? (Choose three.)

- A. Configure a Configuration Template for the Management Cluster.
- B. Schedule Configuration Drift to Check the configuration every 30 days.
- C. Configure a Configuration Template for the Management vCenter.
- D. Create a Configuration Template for the Management NSX Manager.
- E. Schedule Configuration Drift to Remediate the configuration every 30 days.
- F. Configure Host Profiles for the Workload Domain.

Answer: ABD

NEW QUESTION 10

An architect gathered the following requirements for a Supervisor image store. The repository must support:

- Image scanning
- Replication
- Image signing

What component would the architect recommend?

- A. Harbor
- B. Azure ACR
- C. Gitea
- D. Docker Hub

Answer: A

NEW QUESTION 10

VMware Kubernetes Service (VKS) cluster exposes three layers of controllers to manage its lifecycle.

Which set correctly identifies these layers?

- A. Virtual Machine Service, vCenter Appliance, Supervisor Service.
- B. Cluster API, Node Problem Detector, CNI Plugin.
- C. API Gateway, StatefulSet Controller, Ingress Controller.
- D. Virtual Machine Service, Cluster API, and Cloud Provider Plugin.

Answer: D

NEW QUESTION 15

An architect is designing a solution with Istio Service Mesh.

What two types of groups can collect and manage objects? (Choose two.)

- A. Service
- B. Cluster
- C. Security
- D. API
- E. Node

Answer: AB

NEW QUESTION 17

During a design workshop, the security team provides the following requirement for the VMware Cloud Foundation (VCF) Automation deployment:
? All Virtual Machine images must be reviewed and vetted by the security team prior to consumption.
Which Content Library type supports the requirement?

- A. Subscribed Content Library
- B. Tenant-managed Content Library
- C. Local Content Library
- D. Provider-managed Content Library

Answer: D

NEW QUESTION 21

As part of the VMware Cloud Foundation (VCF) logical design, the architect documented the following requirement:

- The solution must be able to support latency-sensitive workloads.

Which two physical design decisions will meet this performance requirement in the workload domain? (Choose two.)

- A. Intel TDX and AMD's SEV-SNP integration
- B. Advanced Memory Tiering with NVMe: Enabled
- C. vSAN Global Deduplication: Enabled
- D. NSX Enhanced Data Path: Enabled
- E. vSAN Deep Snapshots: Enabled

Answer: BD

NEW QUESTION 23

Which type of design would include specific details about server hardware, port connections, or Fibre Channel zones?

- A. Logical
- B. Service
- C. Physical
- D. Conceptual

Answer: C

NEW QUESTION 26

An architect is responsible for designing a new VMware Cloud Foundation (VCF)-based Private Cloud solution. During the requirements gathering workshop with key customer stakeholders, the following information was captured:

- The solution must ensure that all components meet a software version of N-1.

- A. Recoverability
- B. Manageability
- C. Security
- D. Availability

Answer: C

NEW QUESTION 27

The architect documented a requirement for 99.95% high availability to meet the customer's resiliency needs.

Which two physical design decisions will help meet this requirement in the management domain? (Choose two.)

- A. Configure vCenter HA for the management domain vCenter server.
- B. ESX Host Uplink Setting: EtherChannel = Enable
- C. Advanced Cluster Setting: das.iostatsinterval = 0
- D. Set the restart priority policy for the vCenter Server appliance to high.
- E. ESX Host Uplink Setting: EtherChannel = Disable

Answer: AD

NEW QUESTION 29

An architect is gathering business requirements for a new VMware Cloud Foundation (VCF) solution from the customer stakeholders and subject matter experts.

Which two factors should the architect discuss with the customer to determine any potential impact on the business requirements? (Choose two.)

- A. Service-level agreements (SLAs)
- B. Product versions
- C. Organizational structure
- D. Average virtual machine size
- E. Storage capacity

Answer: AC

NEW QUESTION 30

A customer is deploying VMware Cloud Foundation (VCF) in an enterprise environment. During a series of workshops with stakeholders, the following requirements were identified:

- ? The network solution must be capable of complete logical isolation.
- ? The network solution must be capable of supporting independent upgrade cycles for network stacks.
- ? The network solution must be capable of tenant-specific customization of NSX configurations.

The architect has made the following design decisions:

- ? The solution will consist of a single VCF instance.
- ? The solution will include a management domain and two workload domains.

Based on the scenario, which additional design decision meets all of the stated requirements?

- A. Deploy NSX only in the management domain and use VLAN-backed segments in the workload domains.
- B. Use a global NSX Federation configuration across workload domains.
- C. Use a shared NSX instance across both workload domains.
- D. Deploy a dedicated NSX instance per workload domain.

Answer: D

NEW QUESTION 34

An architect is responsible for designing a new VMware Cloud Foundation (VCF)-based Private Cloud solution. During the requirements gathering workshop with key customer stakeholders, the following information was captured:

- ? The solution must support a yearly workload growth of up to 10%.

When creating the design document, which design quality should be used to classify the stated requirements?

- A. Performance
- B. Availability
- C. Manageability
- D. Security

Answer: A

NEW QUESTION 37

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