

VMware

Exam Questions 2V0-13.25

VMware Cloud Foundation 9.0 Architect



NEW QUESTION 1

A cloud architect is designing a VMware Cloud Foundation (VCF) Automation solution for an organization. The design must fulfill the following requirements:

- ? The design must minimize provider infrastructure lifecycle tasks.
- ? The design must minimize infrastructure management overhead.
- ? Each tenant must have isolated compute infrastructure.

Which of the following deployment models best meets these requirements?

- A. Single VCF instance with dedicated Workload Domains per tenant
- B. Consolidated VCF deployment per tenant
- C. Dedicated VCF instances per tenant in a Standard Architecture
- D. Shared Workload Domain for tenants

Answer: A

NEW QUESTION 2

An architect was in an architectural workshop and noted the following business objectives:

- ? The solution must prioritize optimal end-to-end user shopping experience for customers accessing the website.
- ? The website must be available 24 x 7 x 365.

Which three conceptual model items relate to these business objectives? (Choose three.)

- A. A requirement to have 99.99% availability uptime measured at the front-end application layer
- B. A risk that the external internet network provider does not meet the service level agreement (SLA) requirements
- C. A requirement to have 99.99% availability uptime measured at the network infrastructure layer
- D. An assumption that site performance is not a key performance indicator (KPI) for the customer
- E. A constraint of any planned changes limited to outside of business hours only
- F. An assumption that there is sufficient budget for the design to meet the performance requirements

Answer: ABF

NEW QUESTION 3

An architect is designing a VMware Cloud Foundation (VCF) deployment to meet the following design requirements:

- Tenants need dedicated external network access.
- The number of NSX Edge clusters should be minimized.

To fulfill these requirements, the architect made a design decision to use a Workload Networking VPC with Full Services Model.

Which additional design decision should be considered as part of the logical network design?

- A. Deploy the maximum number of 10 NSX Edges into a single Edge cluster.
- B. Install two NSX bare metal Edges with multiple physical interfaces to separate tenants.
- C. Use Virtual Routing and Forwarding (VRF) lite to create a separate VRF TO Gateway for each tenant.
- D. Use NSX Federation providing a dedicated NSX instance for each tenant.

Answer: C

NEW QUESTION 4

Which four component areas are provided by a VMware Kubernetes Service (VKS) cluster?

- A. Identity federation, persistent logging, firewall services, and monitoring.
- B. Authentication, external storage, virtual machine networking, and DNS services.
- C. Authorization, backup services, VLAN segmentation, and DHCP.
- D. Authentication and authorization, storage integration, pod networking, and load balancing.

Answer: D

NEW QUESTION 5

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 6

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 7

A large financial institution is designing a VMware Cloud Foundation (VCF) solution. During initial discovery meetings:

- Management of the physical network is outsourced.
- VMware team cannot reconfigure the physical network.
- Environment uses Link Aggregation. How does this impact design?

- A. NIC teaming for Virtual Standard Switch (vSS) must be configured.
- B. LACP fallback must be configured.
- C. Link Aggregation cannot be used for Workload Domains.
- D. Link Aggregation cannot be used in the Management Domain.

Answer: B

NEW QUESTION 8

What open source project does vSphere Supervisor use to automate the lifecycle management of VMware Kubernetes Service (VKS) clusters?

- A. Cluster API
- B. Grafana
- C. Contour
- D. Kubeadm

Answer: A

NEW QUESTION 9

An architect is designing a new VMware Cloud Foundation (VCF) solution. They are meeting with the key stakeholders and subject matter experts (SMEs) for the first time as part of the requirements gathering process. The following information has been shared with the architect prior to the meeting:

- ? Names and job titles of the attendees
- ? Project timelines and budget

What step should the architect perform as part of this initial requirements gathering workshop?

- A. Open the meeting with a diagram of the VCF topology that must meet the customer requirements in order to start a discussion.
- B. Ask questions to agree on the key product features the SMEs want from the design.
- C. Open the meeting with a list of the VCF design decisions from the public documentation to agree on any required changes.
- D. Ask questions to start a discussion on the business objectives and desired outcomes.

Answer: D

NEW QUESTION 10

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 13

An architect is responsible for designing a VMware Cloud Foundation (VCF)-based private cloud for a customer. During the customer requirements gathering workshop, the customer has stated the following:

- ? All Platinum applications/services must have an availability SLA of 99.99%.
- ? All Gold applications/services must have an availability SLA of 99.9%.
- ? All Silver applications/services must have an availability SLA of 99%.
- ? The private cloud must have an availability SLA of 99.9%.

What should the architect recommend to meet the stated requirements?

- A. The private cloud must only be used to host Silver and Gold services.
- B. The private cloud SLA can only be met using multiple VMware Cloud Foundation instances configured as a single VCF Fleet.
- C. The Platinum service availability requirements must be met by the application.
- D. The Platinum service availability requirements must be met by configuring Proactive High Availability (HA) on the workload domain.

Answer: C

NEW QUESTION 15

An architect has compiled a list of design choices following a design workshop with the business stakeholders. Which statement represents a logical design decision?

- A. Synchronous data replication will be used to meet the stated Recovery Point Objective (RPO) between site A and B.
- B. Users must experience application availability in under 2 seconds.
- C. Sites A and B will each have a /16 subnet for their networks.
- D. Users must connect to the application servers via a shared Global Load Balancer.

Answer: A

NEW QUESTION 16

During the design workshop, the customer stated the following requirement:

- The solution must comply with the organization's security standards.

Which two design decisions should be included in the logical design for the workload domain? (Choose two.)

- A. Use large-size NSX Edge virtual appliances to account for the additional firewall rules.
- B. Enable VM Monitoring for each workload within the cluster.
- C. Enable Inter-SR iBGP routing.
- D. Use an SHA-2 algorithm or higher when signing certificates.
- E. Establish an operations practice to capture and update the thumbprint of the NSX Local Manager certificate on the NSX Global Manager every time the certificate is updated.

Answer: DE

NEW QUESTION 20

Why would an architect specify the default NSX segment profiles in a VMware Cloud Foundation (VCF) design?

- A. Default segment profiles are required for VLAN-backed segments and cannot be overridden.
- B. Default segment profiles offer enhanced performance and are automatically optimized for overlay traffic.
- C. Default segment profiles enable distributed firewall policy enforcement and avoid the need for overlay segments.
- D. Default segment profiles provide sufficient security and operational baseline settings for most common workloads and simplify lifecycle management.

Answer: D

NEW QUESTION 24

Requirements and constraints:

? 3 datacenters within 1 mile radius, high-speed LAN connectivity

? Private cloud must be hosted at HQ datacenter

? Must protect against datacenter loss with no data loss (RPO = 0)

Which design model meets these requirements?

- A. VCF fleet with disaster recovery on a multi-rack cluster model
- B. VCF fleet with disaster recovery on a single-rack cluster model
- C. VCF fleet with fault domains on a multi-rack cluster model
- D. VCF fleet with fault domains on a stretched cluster model

Answer: D

NEW QUESTION 25

An architect is planning resources for a new cluster that will be part of an existing workload domain. The new cluster will provide resources for several new workloads, including a mission-critical application consisting of five resource-intensive virtual machines.

The following requirements were provided for the new cluster:

- The solution must ensure that the new workload cluster meets the company's availability standard of N+1.
- The solution must minimize the overall investment in hardware.

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

- A. Use automated placement rules to keep the mission-critical application virtual machines apart.
- B. Use resource pools to prioritize resource for the mission-critical application virtual machines.
- C. Use automated placement rules to keep the mission-critical application virtual machines together.
- D. Create a cluster with six hosts.
- E. Create a cluster with five hosts.

Answer: AD

NEW QUESTION 29

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 the monitoring of up to 10,000 objects.
- The solution must support 24 months retention for all monitoring data.

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

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

Answer: B

NEW QUESTION 31

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 35

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 37

During an initial design workshop with stakeholders, an Architect was provided with an overview of the current state and other information required to proceed to the design phase.

Which statement should be documented as a requirement?

- A. Existing shared storage array must be used.
- B. Block-based storage must be used within a workload domain.
- C. Existing storage arrays provide sufficient capacity for building the environment.
- D. The customer network team is not trained to support NSX VPC.

Answer: B

NEW QUESTION 40

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 45

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