

# VMware

## Exam Questions 2V0-13.25

VMware Cloud Foundation 9.0 Architect



#### NEW QUESTION 1

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 2

An architect responsible for creating the automation design for a VMware Cloud Foundation (VCF) Private Cloud is reviewing the notes from a customer design workshop. The customer has provided the following information:

- The customer's existing fleet management instance will be upgraded to maintain the existing process for virtual machine deployments.
- The customer would like to limit the total active resource consumption per VCF Automation user.
- The customer would like to ensure requests meet company requirements prior to deployment for certain users.

A combination of which two VCF Automation policies should the architect recommend to meet the customer's stated requirements? (Choose two.)

- A. IaaS Policy
- B. Approval Policy
- C. Resource Quota Policy
- D. Deployment Limit Policy
- E. Lease Policy

**Answer:** BC

#### 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

As part of an initial stakeholder meeting, one of the stakeholders has stated the following:

- According to the hardware standards, all new host server hardware must be deployed using our selected hardware vendor and server model.

How would the architect classify this statement?

- A. An assumption
- B. A constraint
- C. A requirement
- D. A risk

**Answer:** B

#### NEW QUESTION 5

Requirement: NSX VPC Full Services Model for single tenant, preventing BGP advertisements from being dropped due to loop detection.

Which element should be considered in the physical network design?

- A. Adjust the default BGP timers.
- B. Use a unique, private BGP AS number for each Tier-0 gateway.
- C. Use iBGP as the routing protocol between the Tier-0 gateway and the physical network.
- D. Configure edge datapath interface to transport only TEP traffic.

**Answer:** B

#### NEW QUESTION 6

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 7

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 8

An architect is documenting the design for a new VMware Cloud Foundation (VCF) solution and makes the following design decision:

? Two vSphere clusters will be deployed within the single VI workload domain. What statement should the architect include as an implication of this design decision?

- A. If the solution needs to be scaled at a future date, additional VI workload domains can be deployed.
- B. Deploying multiple clusters in the single VI workload domain reduces the number of vCenter Server instances that must be managed.
- C. Deploying multiple clusters within the single VI workload domain meets the requirement to segregate Production and Development workloads.
- D. All clusters within the single VI workload domain must use vSAN as their principal storage type.

**Answer: B**

#### NEW QUESTION 9

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 10

An architect is designing a private cloud infrastructure for two departments (HR and Finance) based on VMware Cloud Foundation (VCF) and has been given the following requirements:

? HR and Finance superusers require access to VCF Operations.

? VCF Operations access, monitoring, and logging information must not be shared across departments.

Which design decision would meet the requirement?

- A. Deploy two VCF Fleet instances within the private cloud, one for HR and one for Finance.
- B. Configure two tenant instances within VCF Operations, one for HR and one for Finance.
- C. Deploy two VCF Operations instances within a VCF Fleet, one for HR and one for Finance.
- D. Configure two sets of scopes and index partitions within VCF Operations, one for HR and one for Finance.

**Answer: C**

#### NEW QUESTION 10

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 11

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 15

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 16

An architect is designing a Business Continuity Disaster Recovery (BCDR) strategy for a Virtual Cloud Foundation (VCF) environment with a management domain and multiple workload domains deployed in two datacenters located in the same city.

During one of the initial workshops with stakeholders, the following information was identified:

- ? The Recovery Time Objective (RTO) for workloads is 24 hours.
- ? The management domain must remain continuously available with Recovery Point Objective (RPO) of 0.
- ? Hardware overhead should be minimized by utilizing standby resources that host test workloads during normal operation.
- ? Operational overhead should be minimized.
- ? Latency between both datacenters is 2 ms.

Which design decision should the architect document to satisfy provided requirements?

- A. Use VCF Automation to redeploy the entire environment in case of a failure.
- B. Implement vSAN stretched cluster for the management domain and Live Recovery for the workload domains.
- C. Back up all workloads daily and store them in a central repository to meet RTO expectations.
- D. Use asynchronous replication for both management and workload domains.

**Answer:** B

#### NEW QUESTION 19

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 21

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 23

Requirements:

- ? Workloads across multiple datacenters (DC01, DC02)
- ? Support two-factor authentication (2FA)
- ? Reduce operational overhead

Which two design decisions should be documented for the VCF Single Sign-On (SSO) architecture?

- A. Deploy VIDB in the management domain of every VCF instance in all sites.
- B. Deploy VIDB in the management domain of each VCF instance at DC02.
- C. Configure all additional VCF instances in the same region to point to the VIDB in the first VCF instance at DC02.
- D. Deploy VIDB in the first VCF instance management domain at DC01.
- E. Configure all additional VCF instances in the same private cloud to point to the VIDB in the first VCF instance at DC01.

**Answer:** DE

#### NEW QUESTION 27

Which statement would the architect document as a design decision within the logical design?

- A. Service Levels will align with the defined Business Impact Analysis findings.
- B. The solution must provide the ability to patch an existing template.
- C. The VMware Distributed Resource Scheduler (DRS) latency sensitivity value will be set to high for the workload cluster.
- D. vSphere High Availability (HA) will be enabled.

**Answer: C**

#### NEW QUESTION 31

Which statement defines the purpose of Technical Requirements?

- A. They define which goals and objectives can be achieved.
- B. They define what goals and objectives need to be achieved.
- C. They define which audience need to be involved.
- D. They define how the goals and objectives can be achieved.

**Answer: D**

#### NEW QUESTION 33

An architect is working on a VMware Cloud Foundation (VCF) architecture design and identified the following requirements:

- The organization is using a third-party virtual appliance that does not support overlay networks.
- The virtual appliance must reside on the same L2 domain as an external physical firewall.
- The virtual appliance also needs access to workloads that are currently hosted on overlay segments provided by NSX.

Which design decision should the architect make to meet these requirements?

- A. Request the third-party vendor to certify the virtual appliance for NSX Overlay segments.
- B. Connect the virtual appliance to a VLAN-backed segment and configure NSX bridging to allow access to overlay segments.
- C. Place the virtual appliance and all workloads on VLAN-backed segments.
- D. Connect the virtual appliance to an overlay-backed segment and use static routes to the firewall.

**Answer: B**

#### NEW QUESTION 35

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 37

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 41

An architect had been given a constraint to use an existing storage array to support the virtual infrastructure design project.

The architect documents the following:

? Assumption 01: The existing storage array has sufficient capacity and performance to support the intended workloads.

? Risk 01: There is a risk that the performance and capacity of the existing storage array may not be sufficient for the solution. How would the architect mitigate the risk?

- A. Ensure that the customer allocates budget for new hardware in case the risk is realized.
- B. Setup a RAID mirror configuration on the existing storage array for redundancy.
- C. Ignore the constraint and design the solution using VMware vSAN Express Storage Architecture (ESA).
- D. Request for additional budget to purchase more Fibre Channel switches.

**Answer: A**

#### NEW QUESTION 43

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