

VMware

Exam Questions 2V0-13.25

VMware Cloud Foundation 9.0 Architect



NEW QUESTION 1

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

The architect has assumed that the solution will need to support high availability for workloads.

Given the assumption, which statement should the architect document as a risk?

- A. The solution supports the separation of management components from production workloads.
- B. BGP is the dynamic routing protocol on the physical fabric and cannot be changed.
- C. The solution supports a recovery point objective (RPO) of 24 hours for infrastructure components.
- D. The entire infrastructure is hosted on a single physical site.

Answer: D

NEW QUESTION 2

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

? CONSOOL - 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 has been tasked with designing a new VMware Cloud Foundation (VCF) solution. The following design decisions were documented after requirements gathering workshops with the customer:

- Deploy a VCF Fleet into each of the DC1 and DC2 datacenters.
- Deploy two VCF instances (VCF1 and VCF2) into each VCF Fleet.
- Use the existing, supported third-party solution to provide Multifactor Authentication (MFA) for users accessing the VCF components.

The architect also documented the following information from the workshops:

- The customer wants to minimize the risk of a single operational task performed by an administrator impacting multiple components.
- The customer wants to avoid single points of failure by using high availability architectures.

Which two design decisions should the architect include for the authentication approach based on the information provided? (Choose two.)

- A. Use the external VCF Identity Broker model.
- B. Deploy a shared VCF Identity Broker for all VCF Instances across all VCF Fleets.
- C. Deploy a dedicated VCF Identity Broker for each VCF instance within a VCF Fleet.
- D. Deploy a shared VCF Identity Broker for all VCF instances within a VCF Fleet.
- E. Use the embedded VCF Identity Broker model.

Answer: AC

NEW QUESTION 4

During a design workshop, the customer provided the following requirement:

- Business units should not be able to interfere with the operations of a different business unit.

As a result of this requirement, the architect makes the decision to enable multi-tenancy within VCF Automation.

A combination of which two design implications would also need to be documented? (Choose two.)

- A. Each Tenant must use an embedded VCF Operations orchestrator instance.
- B. Each Tenant must use an external VCF Operations orchestrator instance.
- C. The Provider Tenant must use the embedded VCF Operations orchestrator instance.
- D. All Tenants must use a single VCF Operations orchestrator instance.
- E. The Provider Tenant must use an external VCF Operations orchestrator instance.

Answer: BC

NEW QUESTION 5

An architect is responsible for designing a VMware Cloud Foundation (VCF)-based private cloud. During the design requirements gathering workshop, the following information was captured:

- The solution must capture events from all infrastructure components of the VCF fleet.
- The solution must provide a single pane of glass management interface for troubleshooting, alerting, and monitoring using metrics, events, and flows.
- The solution must meet a 99.9% Service Level Agreement for Availability.

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

- A. Configure VCF Operations for logs to capture events from only VCF Management components.
- B. Configure the integration for VCF Operations and VCF Automation.
- C. Deploy VCF Operations for logs in a Simple model.
- D. Configure the integration for VCF Operations and VCF Operations for logs.
- E. Configure VCF Operations for logs to capture events from all VCF infrastructure components.
- F. Deploy VCF Operations for logs in a High Availability model.

Answer: BDF

NEW QUESTION 6

Constraint: Existing stretched cluster model must be used. Requirement: Minimize management infrastructure downtime. Which Supervisor deployment model supports the design?

- A. Three Management Zone Supervisor deployment with HA control plane
- B. Single Management Zone Supervisor deployment with HA control plane
- C. Three Management Zone deployment with Simple Availability control plane
- D. Single Management Zone Supervisor deployment with Simple Availability control plane

Answer: B

NEW QUESTION 7

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 8

An architect is designing the network model for a new VMware Cloud Foundation (VCF) solution. During the requirements gathering phase, the customer stated that the VCF solution must comply with the organization's security policy for traffic separation. The customer provided the architect with the following information from the policy:

- The physical network architecture is divided into multiple security zones.
- Traffic is not permitted to traverse between the zones with the exception of pre-approved monitoring tools.
- Physical servers may not be connected to multiple zones via a single network interface.
- Management and Storage traffic must be kept within network zone 1.
- Workload traffic must be kept within network zone 2.

The architect makes a design decision to use two vSphere Distributed Switches per cluster for both the Management and VI Workload domains.

Which two additional design decisions should the architect include in the virtual networking design for the separation of traffic between the vSphere Distributed Switches? (Choose two.)

- A. Configure one vSphere Distributed Switch for ESX Management, Storage, and vMotion traffic.
- B. Configure one vSphere Distributed Switch for all storage traffic.
- C. Configure one vSphere Distributed Switch for ESX Management, Storage, vMotion traffic and NSX - Host and Edge TEP/Edge Uplinks.
- D. Configure one vSphere Distributed Switch for all workload traffic and all NSX - Host and Edge TEP/Edge Uplinks.
- E. Configure one vSphere Distributed Switch for all NSX - Host and Edge TEP/Edge Uplinks.

Answer: AD

NEW QUESTION 9

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 10

An architect has made an assumption that existing support staff are adequately skilled to operate the proposed infrastructure design.

The risk associated with this assumption would be that existing support staff are inadequately skilled to operate the proposed infrastructure design. How would the architect mitigate the risk?

- A. Hire additional support staff with the same skillsets to add more support capacity.
- B. Allocate the necessary time and budget to train existing support staff on the necessary skills required to operate.
- C. Complete a skills assessment of the existing support staff to identify the skill gap.
- D. Engage a third-party company to deploy and configure the proposed solution.

Answer: B

NEW QUESTION 10

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

- The solution will support secure communication.

Which design decision should be included in the logical design for the workload domain?

- A. Use a SHA-2 algorithm or higher for signed certificates.
- B. Set promiscuous mode port group security policy to reject.
- C. Verify all physical components used for the deployments are on the hardware compatibility list.

D. Ensure the host servers have TPM 2.0 hardware.

Answer: A

NEW QUESTION 13

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 18

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 22

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 26

A customer is designing a multi-site VMware Cloud Foundation (VCF) and vSAN Data Protection (DP) architecture to ensure business continuity. The customer's support team must validate the failover and recovery processes before being allowed to deploy into production.

Which two validation activities should be included in the strategy to meet the objective? (Choose two.)

- A. Conduct recovery plan testing annually, as frequent testing may introduce instability in DR environments.
- B. Assess the impact of failover scenarios on application dependencies and inter-site connectivity.
- C. Configure recovery plans based on generic VMware best practices rather than workload-specific requirements to decrease the architecture complexity.
- D. Perform planned and unplanned failover tests in a controlled environment to validate recovery time objectives.
- E. Configure vSphere HA and DRS features to manage disaster recovery automatically, eliminating the need for additional validation.

Answer: BD

NEW QUESTION 30

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

- The service catalog solution must meet a minimum availability SLA of 99.9%.
- The performance of the service catalog solution must not be impacted by maintenance activities or a single physical ESXi host failure.

During the logical design phase of the project, the following design decisions were made:

- The solution will deploy VCF Automation using the highly available deployment model. Which two corresponding physical design decisions should the architect make to meet the stated requirements? (Choose two.)

- A. The solution will configure the external load balancer to send all traffic to the native Kubernetes load balancer.
- B. The solution will deploy three VCF Automation appliances using the small size.
- C. The solution will create a VM-host affinity rule to ensure all nodes of the VCF Automation cluster are located on the same ESXi host.
- D. The solution will create a VM-host anti-affinity rule to ensure all nodes of the VCF Automation cluster are located on different ESXi hosts.
- E. The solution will deploy an external load balancer to replace the native load balancer.

Answer: DE

NEW QUESTION 33

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 34

Which Container Network Interface (CNI) is selected by default in a VMware Kubernetes Service (VKS) workload cluster?

- A. Antrea
- B. Flannel
- C. Calico
- D. Cilium

Answer: A

NEW QUESTION 39

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 41

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 46

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 48

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 51

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 56

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 59

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 64

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