

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 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 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

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 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

Existing environment:

? 3 vSphere clusters, 5 hosts each.

? Networking = vDS.

? Storage = NFSv3.

? Managed by single vCenter. Architect decides to create a new VCF fleet with a single VCF instance.

What design implication should be documented?

A. NSX will be automatically deployed during the creation of the VCF fleet.

B. The vCenter VM must be migrated to a standalone host before fleet creation.

C. The clusters will be automatically configured to use vSAN storage before the creation of the fleet.

D. The ESX hosts will be converted to use vSphere Lifecycle Manager baselines during the creation of the fleet.

Answer: B

NEW QUESTION 7

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:

- In the event of a disaster affecting the primary site, all tier 1 production services must be restored to the secondary site within 1 hour.
- In the event of a disaster affecting the primary site, all tier 3 production services must be restored to the secondary site within 8 hours.

A. Recoverability

B. Availability

C. Performance

D. Manageability

Answer: A

NEW QUESTION 8

A customer has a new initiative to build a private cloud based on VMware Cloud Foundation (VCF). The customer technical team is presenting an overview of the current state of the infrastructure as well as describing what the expectations are for the private cloud.

Based on the notes captured by the architect, which statement should be documented as a constraint?

A. The existing storage is out of hardware vendor maintenance.

B. No funding exists for a new storage array.

C. Therefore, existing storage hardware must be used.

D. The design must address security zone requirements for management, production, dev/test, and QA workloads.

E. The design must provide a centralized management console to manage both data centers.

Answer: B

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 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 10

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 12

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 15

During a requirements gathering workshop, the customer has provided a list of business and technical requirements. Which requirement should be classified as a business requirement?

- A. The solution needs to grow by 30% over the next three years.
- B. The solution must consider security and resiliency to ensure continuity.
- C. The solution must provide no Single Point of Failure (SPOF).
- D. The solution should reduce operational costs.

Answer: D

NEW QUESTION 18

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 20

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 21

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 25

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 26

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 30

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 33

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 37

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