

# VMware

## Exam Questions 2V0-13.25

VMware Cloud Foundation 9.0 Architect



#### NEW QUESTION 1

Which type of storage is used by VKS pods to store non-persistent data?

- A. Container image storage
- B. vSphere local storage
- C. Object storage
- D. Ephemeral storage

**Answer: D**

#### 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

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 4

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 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

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 8

During a requirements gathering workshop, several business and technical requirements were captured from the customer. Which requirement will be classified as a Business Requirement?

- A. The solution must provide the best end-user experience.
- B. The solution must allow the migration of legacy server infrastructure.
- C. The solution must consider security and resiliency to ensure business continuity.
- D. The solution must provide a component-level SLA of 99.9% or higher.

**Answer: A**

#### NEW QUESTION 9

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 10

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 10

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 13

Requirement: Ensure all management components are redundant at the component level.

Which design quality should classify this requirement?

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

**Answer: C**

#### NEW QUESTION 15

An architect is working with an organization on the creation of a new VMware Cloud Foundation (VCF) Private Cloud. The organization has provided the following business objectives:

- ? Reduce costs of duplicate systems.
- ? Eliminate risks of unsupported platforms.
- ? Reduce public cloud costs.
- ? Eliminate risks from poor documentation.

Use cases: Migration, Containerization, Centralization & Consolidation.

When considering these objectives and use cases, what should the architect include in the design documentation as a part of the Conceptual Model?

- A. A constraint that the solution must be accessible via a HTTPS GUI to all relevant areas of the business.
- B. A requirement that the solution will provide support for provisioning and managing workloads based on virtualization and containerization technologies.
- C. An assumption that a complete mapping of application dependencies is not available.
- D. A risk that the solution may not support the migration of containerized workloads.

**Answer: B**

#### NEW QUESTION 17

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 19

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 20

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 21

An architect is designing for a greenfield VMware Cloud Foundation (VCF) solution. This would be the first VCF Fleet in the VCF solution, and the customer would like to start with a minimal footprint with the option to scale up and out later.

Which VCF Operations deployment model should the architect choose?

- A. Advanced
- B. High Availability
- C. Simple
- D. Standard

**Answer: C**

#### NEW QUESTION 26

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 29

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 31

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 32

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 36

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 41

An architect is designing a VMware Cloud Foundation (VCF)-based solution. The company policy mandates that all VCF patches and upgrades must be tested in a development environment before applying to production.

Which VCF construct design decision would comply with this mandate?

- A. Deploy two VCF vSphere Clusters within a VCF Domain.
- B. Deploy two VCF Instances within a VCF Fleet.
- C. Deploy two VCF Domains within a VCF Instance.
- D. Deploy two VCF Fleets within a VCF Private Cloud.

**Answer: B**

#### NEW QUESTION 42

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 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 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 49

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 52

Which configuration should the architect recommend as part of the design of a VMware Cloud Foundation (VCF) solution to ensure optimal performance in a multi-tenant environment?

- A. Use a single large datastore for all tenants to simplify management.
- B. Configure all workloads to operate on a single ESXi host to minimize network latency.
- C. Implement vSAN with tiered storage policies to ensure high I/O performance and low latency for tenant workloads.
- D. Allow an unlimited number of virtual machines per host to consume all available resources.

**Answer: C**

#### NEW QUESTION 53

During a discovery workshop for a VMware Cloud Foundation (VCF) design, the customer provided the following information:

- Business Units pay for their own compute hardware.
- Business Units expect exclusive access to their compute hardware.
- IT Services is expected to maintain and manage all compute infrastructure within a single workload domain.
- IT Services are expected to design and offer standardized catalog items. Which VCF Automation feature achieves this requirement?

- A. Project Constraints
- B. Cloud Zones
- C. Cloud Account
- D. Project-Level Placement Policy

**Answer: B**

#### NEW QUESTION 55

A large financial institution is designing a VMware Cloud Foundation (VCF) solution. During the initial discovery meetings, the customer detailed the following requirements:

- Management of the physical network environment is handled by an outsourced team.
- The VMware Administration team cannot re-configure the physical network.
- All hosts must use Link Aggregation.
- The storage environment is disaggregated.
- NFS will be used as principal storage.

The customer provided the bill-of-materials for the physical servers being purchased. Each server will have four 25 GbE physical NICs: two connected to the network fabric for Management, vMotion, and virtual machine traffic; and two connected to the storage fabric hosting the NFS server.

How does the information provided impact the overall design?

- A. Link Aggregation cannot be used in the Workload Domain.
- B. NIC teaming for Virtual Standard Switch (vSS) must be configured.
- C. Multiple Link Aggregation Groups are not supported.
- D. Link Aggregation cannot be used in the Management Domain.

**Answer: D**

#### NEW QUESTION 58

An architect is responsible for the design of a VMware Cloud Foundation (VCF) Fleet and the following risk has been identified:

- RISK001: There is a risk that frequent infrastructure design changes may break Disaster Recovery (DR) plans and Service Level Objectives. What should the architect suggest to mitigate this risk?

- A. Setup monitoring & alerting against defined infrastructure service level objectives.
- B. Develop a process to review and update DR plans between changes and schedule monthly end-to-end DR tests.
- C. Limit infrastructure design change frequency to a maximum of once a month.
- D. Configure VM replication with recovery point objective of 5 minutes or less for all workloads from the primary to DR site.

**Answer: B**

#### **NEW QUESTION 60**

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 62**

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