

## 2V0-13.25 Dumps

### VMware Cloud Foundation 9.0 Architect

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**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 is designing a VMware Cloud Foundation (VCF) solution for a customer. During the discovery phase, the customer outlined the following availability requirements:

? Business-critical workloads: RPO = 2 hours

? Infrastructure components: RTO = 8 hours

Based on this context, what does the RTO metric represent?

- A. The maximum allowable time within which a system or service must be restored to a usable state
- B. The maximum amount of data loss that is considered acceptable during a failure
- C. The minimum volume of data loss tolerated in the event of a disruption
- D. The minimum acceptable duration required to recover a service to an operational state

**Answer: A**

**NEW QUESTION 3**

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 4**

As a part of designing the VMware Cloud Foundation (VCF) Operations deployment, the architect must ensure that VCF Operations is capable of monitoring the customer's infrastructure made up of a central datacenter and multiple remote sites in different countries.

During a design workshop, the following requirements were identified:

? REQ001: Corporate IT users must be able to review performance, alerts, and capacity details from a single management point.

? REQ002: The monitoring solution must support local data collection at remote sites to prevent data loss from unstable WAN connections.

? REQ003: The monitoring solution must comply with local data sovereignty regulations.

Which deployment model fulfills all design requirements?

- A. Single VCF fleet with Cloud Proxies in each remote site
- B. Each remote site will be its own VCF fleet.
- C. All remote sites will be a single VCF fleet.
- D. A single fleet with multiple VCF instances

**Answer: A**

**NEW QUESTION 5**

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 6**

As part of the initial design workshop, one of the customer stakeholders has stated the following:

- All Virtual Machines must be encrypted.

How would the architect classify this statement?

- A. A Risk
- B. A Constraint
- C. A Requirement

D. An Assumption

**Answer: C**

**NEW QUESTION 7**

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 8**

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 9**

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 10**

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 10**

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 15**

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 16**

While designing a solution, an architect is tasked with defining limits for a vSphere Namespace. What three limits are available? (Choose three.)

- A. The amount of storage
- B. The amount of containers
- C. The amount of services
- D. The amount of memory
- E. The amount of CPU

**Answer:** ADE

**NEW QUESTION 17**

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 20**

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 21**

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 25**

A company is deploying a new VMware Cloud Foundation (VCF) environment to support their growing infrastructure requirements. The company is planning to scale their environment over time by adding more workload domains as new applications and departments are onboarded. The company requires that the architecture must be highly scalable and flexible, able to accommodate both current and future demands. They also require a seamless transition when adding new workload domains. Which design decisions should the architect make to meet the stated scalability requirements and facilitate the future growth?

- A. Use a single workload domain for all departments and increase the size of the vSphere clusters as the demand grows.
- B. Use multiple workload domains for each department and ensure that each workload domain is independently scaled.
- C. Use a single workload domain and rely on storage and network scaling to accommodate future growth.
- D. Use multiple workload domains for each department but combine them into a single vSphere cluster to reduce complexity.

**Answer:** B

**NEW QUESTION 28**

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 30**

Which statement would be classified as a functional (business) requirement?

- A. The solution must provide the ability for users to view and track the progress of their requests.
- B. The self-service catalog must meet the Service Level Objective (SLO) of 75% successful requests measured over a 12-month period.
- C. Applications must be designed to tolerate the failure of a single datacenter.
- D. Third-party pen testing must be executed against the solution yearly with a pass rate of 80 percent or higher.

**Answer:** A

**NEW QUESTION 33**

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. Veeam
- C. Restic
- D. VMware Live Recovery

**Answer:** B

**NEW QUESTION 35**

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 38**

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 43**

An architect is tasked with designing a new VMware Cloud Foundation (VCF) solution. During workshops with the customer, the following requirements were captured:

- REQ01: The solution must provide a self-service catalog.
- REQ02: The solution must support the segregation of the Development and Production resources (networks, virtual machines, users).

When documenting the design decisions, which statement should the architect include in order to help meet these requirements?

- A. VCF Automation does not support the use of multiple Active Directory domains.
- B. Separate workload domains must be configured to provide segregation between the Development and Production environments.
- C. VCF Automation will be configured with separate service catalog instances for Development and Production.
- D. VCF Automation will be configured with separate organizations for Development and Production.

**Answer:** D

**NEW QUESTION 48**

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 53**

Which design defines how to arrange and use components and features of the infrastructure to satisfy service dependencies and other relationships specified in the Conceptual Model?

- A. Physical Design
- B. High Availability Design
- C. Configuration Guide
- D. Logical Design

**Answer:** D

**NEW QUESTION 58**

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 62**

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 67**

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 70**

The architect documented a requirement for 99.95% high availability to meet the customer's resiliency needs.

Which two physical design decisions will help meet this requirement in the management domain? (Choose two.)

A. Management Port Group: Route based on physical NIC load

B. Host Overlay DHCP Scope Lease: 14 Days

C. Physical Switch MTU: 9000

D. vSAN Cache Tier Sizing: 800GB

E. Host isolation response: Power Off and restart VM

**Answer: CD**

**NEW QUESTION 72**

An architect is expanding an existing private cloud infrastructure based on VMware Cloud Foundation (VCF). The requirement is to deploy two additional instances of VCF at two separate datacenters within the existing private cloud with minimal additional footprint.

• Datacenter A is 90 miles from the existing VCF fleet instance with a network round trip time of 90ms.

• Datacenter B is 120 miles from the existing VCF fleet instance with a network round trip time of 120ms.

Which design decision would meet the requirement for this expansion?

A. Deploy two additional VCF instances within the existing VCF fleet, one each in datacenters A and B.

B. Deploy two additional VCF fleets, one for each VCF instance in datacenters A and B.

C. Deploy an additional VCF fleet in datacenter A and an additional VCF instance within the existing VCF fleet in datacenter B.

D. Deploy an additional VCF fleet in datacenter B and an additional VCF instance within the existing VCF fleet in datacenter A.

**Answer: D**

**NEW QUESTION 75**

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 77**

Which two VCF components are replicated across availability zones in a VMware Cloud Foundation (VCF) Fleet with Disaster Recovery model design with two availability zones?

- A. VCF Automation
- B. vCenter
- C. SDDC Manager
- D. NSX
- E. VCF Operations

**Answer:** BD

**NEW QUESTION 79**

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 84**

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 85**

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 86**

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 91**

As part of the VMware Cloud Foundation (VCF) logical design, the architect documented the following requirement:

- The solution must be able to support latency-sensitive workloads.

Which two physical design decisions will meet this performance requirement in the workload domain? (Choose two.)

- A. Intel TDX and AMD's SEV-SNP integration
- B. Advanced Memory Tiering with NVMe: Enabled
- C. vSAN Global Deduplication: Enabled
- D. NSX Enhanced Data Path: Enabled
- E. vSAN Deep Snapshots: Enabled

**Answer:** BD

**NEW QUESTION 92**

Which type of design would include specific details about server hardware, port connections, or Fibre Channel zones?

- A. Logical
- B. Service

- C. Physical
- D. Conceptual

**Answer:** C

**NEW QUESTION 96**

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 98**

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 100**

An architect is responsible for designing a VMware Cloud Foundation (VCF)-based private cloud for a customer. The architect noted the following requirements during a design workshop:

? Co-locate application workloads with VCF management component workloads within the same vSphere cluster.

? Shared storage data is always available and 100% current in the event of a single site outage.

? Have two sites available no more than 10 miles apart (10ms latency) connected with high-speed network technology to host their virtual infrastructure.

? Protect against outages of a single site designated as an availability zone.

Which two storage technologies could meet the stated requirements? (Choose two.)

- A. NVMe over TCP
- B. NVMe over Fibre Channel (FC)
- C. VMFS on Fibre Channel (FC)
- D. vSAN
- E. vSphere Virtual Volumes (vVols)

**Answer:** DE

**NEW QUESTION 103**

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 104**

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 105**

An organization is evacuating their current datacenter and moving all workloads to a new datacenter. The organization has a total of 800 workloads to move, and

the migration must be completed with no downtime within a planned change window that is scheduled to occur in four weeks.  
What migration method will meet the requirements?

- A. Cross vCenter vMotion
- B. HCX OS Assisted Migration
- C. HCX Bulk Migration
- D. HCX Replication Assisted vMotion

**Answer: D**

#### NEW QUESTION 110

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 115

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 119

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 122

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