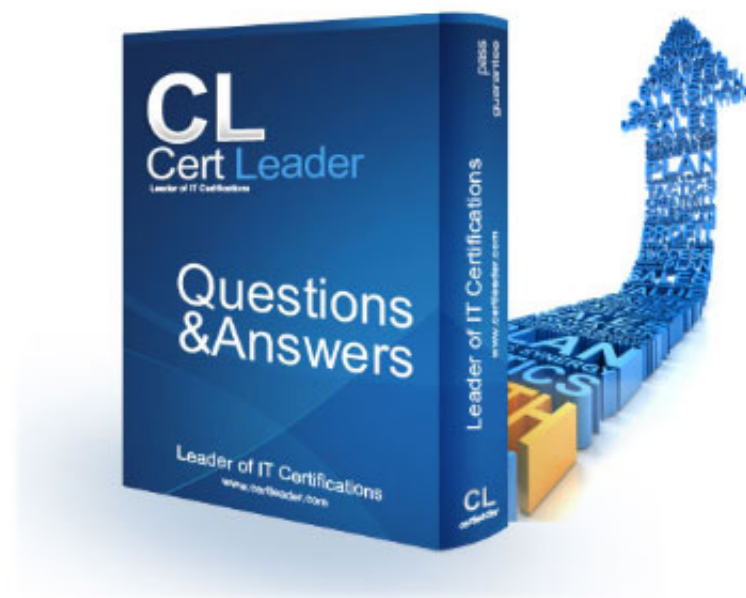


2V0-13.25 Dumps

VMware Cloud Foundation 9.0 Architect

<https://www.certleader.com/2V0-13.25-dumps.html>



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

A cloud architect is designing a VMware Cloud Foundation (VCF) Automation solution for an organization. The design must fulfill the following requirements:

- ? The design must minimize provider infrastructure lifecycle tasks.
- ? The design must minimize infrastructure management overhead.
- ? Each tenant must have isolated compute infrastructure.

Which of the following deployment models best meets these requirements?

- A. Single VCF instance with dedicated Workload Domains per tenant
- B. Consolidated VCF deployment per tenant
- C. Dedicated VCF instances per tenant in a Standard Architecture
- D. Shared Workload Domain for tenants

Answer: A

NEW QUESTION 3

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 4

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 5

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 6

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 7

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 8

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 9

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 10

Which VMware Cloud Foundation (VCF) Storage Model can be deployed to scale storage capacity independent of compute and network?

- A. vSAN Compute Cluster Storage Model
- B. vSAN ESA Storage Model
- C. vSAN Capacity Cluster Model
- D. vSAN ESA Storage Cluster Model

Answer: A

NEW QUESTION 10

As part of the VMware Cloud Foundation (VCF) logical design, the architect has determined that the VCF Private Cloud will encompass multiple VCF instances contained within a single VCF Fleet. The architect documented the following requirements when using VCF Operations:

? Monitoring downtime must be minimized.

? Alerting downtime must be minimized.

Which design decision supports these requirements?

- A. Deploy two VCF Operations instances and configure the Aggregator Management Pack.
- B. Deploy VCF Operations using the Simple model with Collector nodes at remote sites.
- C. Deploy VCF Operations using the High Availability model with Collector nodes at remote sites.
- D. Deploy a single VCF Operations instance across a multi-VCF instance fleet.

Answer: C

NEW QUESTION 12

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 14

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 17

An architect is designing for a VMware Cloud Foundation (VCF) Instance. The following requirements and constraints were documented:

- The management domain cluster utilizes vSAN stretched as the principal storage.
- Company policy states that compute and storage capacity utilization must not exceed 90% at all times.

Which three statements should the architect consider when designing the solution to satisfy the requirements? (Choose three.)

- A. Use a homogenous cluster configuration.
- B. Size and monitor the cluster for a maximum compute peak utilization of < 45%.
- C. Use a heterogeneous cluster configuration.
- D. Size and monitor the cluster for a maximum storage utilization of 40%.
- E. Size and monitor the cluster for a maximum compute peak utilization of < 90%.
- F. Size and monitor the cluster for a maximum storage utilization of 90%.

Answer: ABD

NEW QUESTION 22

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 25

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 28

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 33

An architect is responsible for designing a VMware Cloud Foundation (VCF)-based private cloud for a customer. During the customer requirements gathering workshop, the customer has stated the following:

- ? All Platinum applications/services must have an availability SLA of 99.99%.
 - ? All Gold applications/services must have an availability SLA of 99.9%.
 - ? All Silver applications/services must have an availability SLA of 99%.
 - ? The private cloud must have an availability SLA of 99.9%.
- What should the architect recommend to meet the stated requirements?

- A. The private cloud must only be used to host Silver and Gold services.
- B. The private cloud SLA can only be met using multiple VMware Cloud Foundation instances configured as a single VCF Fleet.
- C. The Platinum service availability requirements must be met by the application.
- D. The Platinum service availability requirements must be met by configuring Proactive High Availability (HA) on the workload domain.

Answer: C

NEW QUESTION 35

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 39

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 43

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 47

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 48

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 52

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 56

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 58

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 60

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 63

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. Configure vCenter HA for the management domain vCenter server.
- B. ESX Host Uplink Setting: EtherChannel = Enable
- C. Advanced Cluster Setting: das.iostatsinterval = 0
- D. Set the restart priority policy for the vCenter Server appliance to high.
- E. ESX Host Uplink Setting: EtherChannel = Disable

Answer: AD

NEW QUESTION 64

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 69

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 72

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 77

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 78

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 81

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 85

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 90

.....

Thank You for Trying Our Product

* 100% Pass or Money Back

All our products come with a 90-day Money Back Guarantee.

* One year free update

You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

We currently serve more than 30,000,000 customers.

* Shop Securely

All transactions are protected by VeriSign!

100% Pass Your 2V0-13.25 Exam with Our Prep Materials Via below:

<https://www.certleader.com/2V0-13.25-dumps.html>