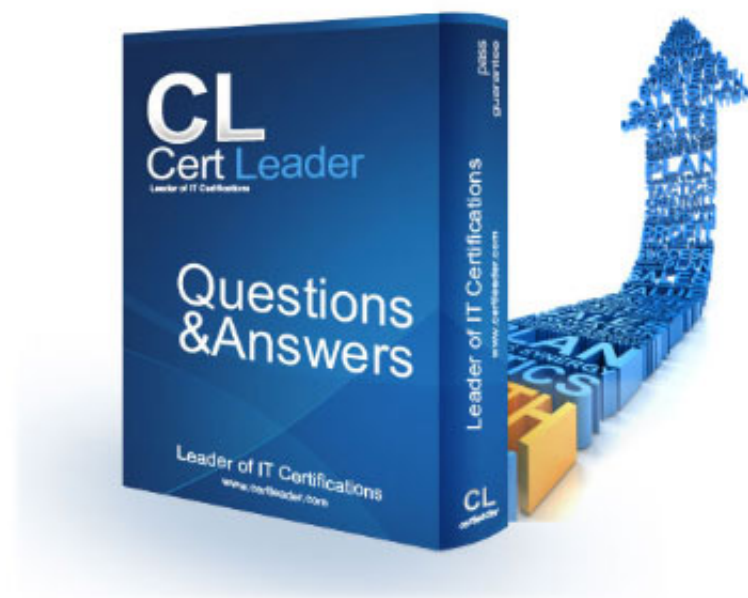


2V0-13.25 Dumps

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 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

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 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 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 running 50,000 workloads concurrently across all sites.
- The solution must support the concurrent deployment of up to 10 workloads.

When creating the design document, which design quality should be used to classify the stated requirements?

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

Answer: C

NEW QUESTION 6

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 7

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 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

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 10

An architect is tasked to plan for an upgrade of an existing vSphere-only deployment utilizing vSAN to VMware Cloud Foundation (VCF). Which three new infrastructure components are required for the upgrade? (Choose three.)

- A. NSX
- B. SDDC Manager
- C. VCF Identity Broker
- D. VCF Operations
- E. vSphere Supervisor

Answer: ABE

NEW QUESTION 10

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 12

An architect is responsible for designing a VMware Cloud Foundation (VCF)-based solution for a customer. The customer has the following requirement:

- There should be no single points of failure within the solution.

To comply with the customer requirement, the architect has decided to include physical NIC teaming for all ESX servers in the design.

When documenting this design decision, which consideration should the architect make?

- A. Embedded NICs should not be used for NIC teaming.
- B. Each NIC team must include NICs from the same physical NIC Card.
- C. Each NIC team must include NICs from different physical NIC Cards.

D. Only 10GbE NICs should be used for NIC teaming.

Answer: C

NEW QUESTION 14

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 15

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 19

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 22

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 24

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 26

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 31

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 32

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 37

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 40

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 45

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 50

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 51

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 53

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 54

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 55

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 59

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 62

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 66

During a VMware Cloud Foundation (VCF) architectural design workshop, one of the stakeholders made the following comment:
? ??The company has just used the remaining budget to purchase eight vSAN Ready Nodes for this project.??
How would the architect classify this statement within the conceptual model document?

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

Answer: D

NEW QUESTION 70

A financial services company is deploying a VMware Cloud Foundation (VCF)-based solution for its core banking applications. The architect needs to ensure that the design can handle peak transaction loads while maintaining the performance SLA.
Which two approaches should be included in the design validation strategy? (Choose two.)

- A. Perform the live recovery test for the master recovery plan to ensure the Recovery Time Objective (RTO) is within the defined SLA.
- B. Conduct stress testing using representative workloads to evaluate system behavior under extreme load conditions.
- C. Simulate peak transaction loads in a staging environment to validate resource scalability and vSAN performance.
- D. Deploy the solution to production first and optimize based on live performance feedback from end users.
- E. Rely on vendor-supplied performance benchmarks that were provided for the selected hardware and validate manually the Live Recovery configuration.

Answer: BC

NEW QUESTION 75

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 79

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