

VMware

Exam Questions 2V0-13.25

VMware Cloud Foundation 9.0 Architect



NEW QUESTION 1

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 2

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 3

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 4

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 5

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

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

- A. The existing storage is out of hardware vendor maintenance.
- B. No funding exists for a new storage array
- C. Therefore, existing storage hardware must be used.
- D. The design must address security zone requirements for management, production, dev/test, and QA workloads.
- E. The design must provide a centralized management console to manage both data centers.

Answer: B

NEW QUESTION 6

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 7

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 8

An architect is designing a private cloud infrastructure for two departments (HR and Finance) based on VMware Cloud Foundation (VCF) and has been given the following requirements:

- ? HR and Finance superusers require access to VCF Operations.
 - ? VCF Operations access, monitoring, and logging information must not be shared across departments.
- Which design decision would meet the requirement?

- A. Deploy two VCF Fleet instances within the private cloud, one for HR and one for Finance.
- B. Configure two tenant instances within VCF Operations, one for HR and one for Finance.
- C. Deploy two VCF Operations instances within a VCF Fleet, one for HR and one for Finance.
- D. Configure two sets of scopes and index partitions within VCF Operations, one for HR and one for Finance.

Answer: C

NEW QUESTION 9

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 10

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 10

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 11

Requirement: The solution must identify any configuration changes made to the Management Infrastructure every 30 days. Which three design decisions should the architect make to meet the stated requirements? (Choose three.)

- A. Configure a Configuration Template for the Management Cluster.
- B. Schedule Configuration Drift to Check the configuration every 30 days.
- C. Configure a Configuration Template for the Management vCenter.
- D. Create a Configuration Template for the Management NSX Manager.
- E. Schedule Configuration Drift to Remediate the configuration every 30 days.

F. Configure Host Profiles for the Workload Domain.

Answer: ABD

NEW QUESTION 13

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 17

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 21

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 24

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 26

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 30

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 32

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 37

An architect is responsible for designing a VMware Cloud Foundation (VCF)-based solution for a customer. During a discovery workshop, the following requirements were stated by the customer:

- All applications/workloads designated as business critical have a Recovery Point Objective (RPO) of 1 business hour.
- The infrastructure components of the VCF solution must have a Recovery Time Objective (RTO) of 4 business hours.

In the context provided, what does the RTO determine?

- A. The maximum tolerable amount of time allowed before an application/service should be recovered to a usable state
- B. The maximum amount of data loss that can be tolerated
- C. The minimum tolerable amount of time allowed before an application/service should be recovered to a usable state
- D. The minimum amount of data loss that can be tolerated

Answer: A

NEW QUESTION 40

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 41

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 46

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