VMware

Exam Questions 2V0-13.25

VMware Cloud Foundation 9.0 Architect

NEW QUESTION 1
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 2
As part of a design for a VMware Cloud Foundation (VCF) solution, an architect has documented the following dependencies and constraints:
? CONSOOl - 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 3
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 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 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 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 a VMware Cloud Foundation (VCF) deployment to meet the following design requirements:
• Tenants need dedicated external network access.
• The number of NSX Edge clusters should be minimized.
To fulfill these requirements, the architect made a design decision to use a Workload Networking VPC with Full Services Model.
Which additional design decision should be considered as part of the logical network design?

A. Deploy the maximum number of 10 NSX Edges into a single Edge cluster.
B. Install two NSX bare metal Edges with multiple physical interfaces to separate tenants.
C. Use Virtual Routing and Forwarding (VRF) lite to create a separate VRF TO Gateway for each tenant.
D. Use NSX Federation providing a dedicated NSX instance for each tenant.

Answer: C

NEW QUESTION 8
An architect has compiled a list of statements following a workshop with the business stakeholders.
Which statement would be included in a conceptual model?

A. The solution must meet a Mean Time To Recovery (MTTR) of 6 hours.
B. Sites A and B will each have a stretched Layer-2 for their management network.
C. The `das.isolationshutdowntimeout` setting will be configured to 120 seconds.
D. Users will connect to the application servers via the NSX Advanced Load Balancer.

Answer: D

NEW QUESTION 9
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 organization is designing a VMware Cloud Foundation (VCF) solution hosting a business-critical database. The application owners specified the following requirements:
• All workload domains will use vSAN for storage.
• A maximum acceptable data loss of 5 minutes (Recovery Point Objective (RPO) 5 minutes).
• An automated failover in case of a site outage where Recovery Time Objective (RTO) should not exceed 30 minutes.
• The performance impact should be minimized.
Which design approach aligns with the application's requirement?

A. Configure backup-based recovery with backup jobs scheduler set to every 30 minutes.
B. Use asynchronous replication with snapshots taken every 30 minutes to reduce storage impact.
C. Use vSAN stretched cluster.
D. Use synchronous replication on the storage array level.

Answer: C

NEW QUESTION 10
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 15
Existing environment:
? 3 vSphere clusters, 5 hosts each.
? Networking = vDS.
? Storage = NFSv3.
? Managed by single vCenter.Architect decides to create a new VCF fleet with a single VCF instance.

What design implication should be documented?

A. NSX will be automatically deployed during the creation of the VCF fleet.
B. The vCenter VM must be migrated to a standalone host before fleet creation.
C. The clusters will be automatically configured to use vSAN storage before the creation of the fleet.
D. The ESX hosts will be converted to use vSphere Lifecycle Manager baselines during the creation of the fleet.

Answer: B

NEW QUESTION 20
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 25
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 26
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 31
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 32
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 35
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 39
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. Velero
C. Restic
D. VMware Live Recovery

Answer: B

NEW QUESTION 44
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 45
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 46
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 51
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 thanworkload-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 54
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 57
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 58
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 59
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 62
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 64
As part of an initial stakeholder meeting, one of the stakeholders has stated the following:
? The initial design must be completed within the next 3 months so that hardware can be ordered within the current budget cycle.
How would the architect classify and record this statement?

A. A constraint
B. A risk
C. An assumption
D. A requirement

Answer: A

NEW QUESTION 65
During the design workshop, the customer stated the following requirement:
• The solution must comply with the organization's security standards.
Which two design decisions should be included in the logical design for the workload domain? (Choose two.)

A. Use large-size NSX Edge virtual appliances to account for the additional firewall rules.

B. Enable VM Monitoring for each workload within the cluster.
C. Enable Inter-SR iBGP routing.
D. Use an SHA-2 algorithm or higher when signing certificates.
E. Establish an operations practice to capture and update the thumbprint of the NSX Local Manager certificate on the NSX Global Manager every time the certificate is updated.

Answer: DE

NEW QUESTION 69
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 72
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 73
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 76
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 77
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 79
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 81
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