VMware

Exam Questions 2V0-13.25

VMware Cloud Foundation 9.0 Architect

NEW QUESTION 1
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 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
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 4
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 5
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 6
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 7
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 arra
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 8
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 9
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
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 10
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 13
Discovery: Multiple business units (some from acquisitions) with separate AD instances. Each unit operates independently and requires dedicated development environments.
Requirement: Provide self-service provisioning through VCF Automation. Which two design decisions should be included? (Choose two.)

A. All tenants will be configured to use the corporate AD instance for authentication.

B. All tenants will be configured to use their dedicated AD instance for authentication.
C. A VCF Automation tenant will be created for each business unit.
D. A VCF Automation project will be created for each business unit.
E. All projects will be configured to use their dedicated AD instance for authentication.

Answer: BC

NEW QUESTION 18
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 21
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 forFinance.
D. Configure two sets of scopes and index partitions within VCF Operations, one for HR and one for Finance.

Answer: C

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 30
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 35
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 37
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 41
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 44
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 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 47
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 workloads running on the platform comply with the Payment Card Industry Data Security Standard (PCI-DSS).
When creating the design document, which design quality should be used to classify the stated requirements?

A. Manageability
B. Performance
C. Recoverability
D. Security

Answer: D

NEW QUESTION 52
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 56
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 58
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 62
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 64
An architect is responsible for the design of a VMware Cloud Foundation (VCF) Fleet and the following risk has been identified:
• RISK001: There is a risk that frequent infrastructure design changes may break Disaster Recovery (DR) plans and Service Level Objectives.
What should the architect suggest to mitigate this risk?

A. Setup monitoring & alerting against defined infrastructure service level objectives.
B. Develop a process to review and update DR plans between changes and schedule monthly end-to-end DR tests.
C. Limit infrastructure design change frequency to a maximum of once a month.
D. Configure VM replication with recovery point objective of 5 minutes or less for all workloads from the primary to DR site.

Answer: B

NEW QUESTION 65
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