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VMware Cloud Foundation 9.0 Architect

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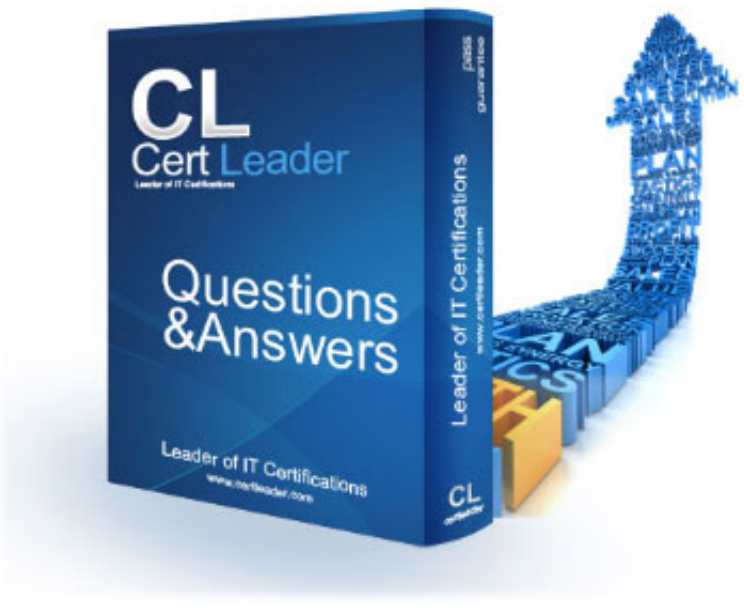

NEW QUESTION 1
A cloud architect is designing a VMware Cloud Foundation (VCF) Automation solution for an organization. The design must fulfill the following requirements:
? The design must minimize provider infrastructure lifecycle tasks.
? The design must minimize infrastructure management overhead.
? 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 2
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 3
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 infrastructurecomponents.
D. The entire infrastructure is hosted on a single physical site.

Answer: D

NEW QUESTION 4
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 5
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 6
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 7
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 8
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 9
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 10
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 10
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 14
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 15
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 19
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 23
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 24
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 28
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 32
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 34
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 37
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 42
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 45
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 48
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 51
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 55
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 57
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 61
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