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Introduction:

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Question: 1

A customer has six hosts available in a cluster. When running at full capacity, all virtual machines can be run on two hosts. How many hosts can the customer place into maintenance mode at the same time while still providing N+2 resiliency to the cluster?

- A. Two
- B. Three
- C. One
- D. None

Answer: A

Question: 2

An architect is designing a series of new vSphere environments for an organization. The environments will be deployed in their US-East and US-West region data centers. Each data center may have one or more dedicated vSphere environments. Only the vSphere environments within a data center will be configured with Enhanced Linked Mode. The Chief Technology Officer (CTO) has authorized the use of VMware vRealize Automation Cloud for automation. The build team creates standardized virtual machine images for various operating systems in Open Virtualization Format (OVF) and publishes the latest version on an as-needed basis to an internal HTTPS-accessible repository.

The architect must design a content library topology that meets the following requirements:

- A localized content library must be available in each data center.
- Each content library must be updated when an image is updated and released by the build team.
- The cloud automation platform must be able to consume the latest approved content library images.
- It must leverage the existing build team processes.

What should the architect recommend to meet the requirements?

- A. Work with the build team to create a local content library for each vSphere environment.
- B. Create a local content library for the primary vSphere environment in each data center.

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VMware 3V0-21.25 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> • Install, Configure, Administrate the VMware Solution: This section covers configuring and administering VMware Cloud Foundation Automation environments. It includes managing provider portals, organizations, integrations, governance policies, resource deployments, automation workflows, blueprints, and orchestrator components.
Topic 2	<ul style="list-style-type: none"> • IT Architectures, Technologies, Standards: This section focuses on understanding fundamental IT architectures, technologies, and industry standards that support VMware Cloud Foundation environments. It ensures candidates understand the foundational concepts required to design and manage automated cloud infrastructure solutions.

Topic 3	<ul style="list-style-type: none"> VMware Products and Solutions: This section covers VMware products related to VMware Cloud Foundation Automation, particularly components such as vSphere Supervisor and supervisor-based NSX networking. It focuses on identifying and differentiating architectural components and how they function within a deployment.
Topic 4	<ul style="list-style-type: none"> Operation Management: This section focuses on monitoring and managing operational aspects of VMware Cloud Foundation Automation. It includes using VMware operations tools to monitor automation services, provider management, and organizational environments.
Topic 5	<ul style="list-style-type: none"> Plan and Design the VMware Solution: This section focuses on designing VMware Cloud Foundation Automation environments based on business and technical requirements. It includes understanding tenancy deployment models, organization types, and the functional components used to structure and manage cloud resources.

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VMware Advanced VMware Cloud Foundation 9.0 Automation Sample Questions (Q36-Q41):

NEW QUESTION # 36

The organization administrator is tasked with entering a range of IP addresses available for inter-VPC communication. Into which field does the organization administrator need to enter the IP addresses?

- A. Default Outbound NAT.
- B. Private-Transit Gateway IP Blocks.
- C. N-S Ingress QoS Profile.
- D. External IP Blocks.

Answer: B

Explanation:

In the VCF 9.0 multi-tenant networking model, Virtual Private Clouds (VPCs) communicate with each other through a regional backbone. The Private-Transit Gateway IP Blocks field is specifically designated for the internal IP ranges used to facilitate this inter-VPC connectivity. When an administrator configures a Connectivity Profile for an organization, they must define these blocks to ensure that traffic routed between different departments or projects within the same region has a valid, non-conflicting address space to traverse the NSX Transit Gateway. Unlike External IP Blocks, which are used for SNAT/DNAT to the public internet or corporate WAN, the Private-Transit blocks are strictly for the "east-west" transit layer within the VCF Automation framework. Proper allocation in this field is essential for enabling seamless microservices communication across VPC boundaries while maintaining the logical isolation provided by the Supervisor.

NEW QUESTION # 37

A design requirement for a new VCF 9.0 deployment specifies that all tenant network traffic must be inspected by a centralized firewall appliance located in a "Security" VPC before reaching the internet.

Which NSX VPC feature should be used to support this "Service Chaining" requirement?

- A. Distributed Firewall (DFW) Exclusion List

- B. Static Routes with Next-Hop to an Interface IP
- C. Default Outbound NAT
- D. VPC Ingress Profiles

Answer: B

Explanation:

To support centralized security inspection or "Service Chaining" in VCF 9.0, administrators leverage the routing flexibility of the NSX VPC. By configuring Static Routes within the tenant VPC, the administrator can override the default system-generated path to the internet. Specifically, the "0.0.0.0/0" (Default Route) can be pointed to the Interface IP of a security appliance or a load balancer residing within a shared or dedicated Security VPC. This forces all egress traffic from the application VPC to transit through the security layer for deep packet inspection or logging before the Transit Gateway forwards it to the external network.

While the Distributed Firewall (Option C) provides micro-segmentation, it does not redirect traffic to external appliances; only custom routing logic-managed through the VPC's routing table-can satisfy the requirement for centralized service insertion in a multi-VPC regional design.

NEW QUESTION # 38

An administrator needs to configure a connection between VMware Cloud Foundation (VCF) Automation and an external system to enable the exchange of data for extensibility purposes.

Which two integration types are supported for this purpose? (Choose two.)

- A. Action-Based Extensibility (ABX)
- B. VMware Live Recovery
- C. VMware Cloud Foundation SDDC Manager
- D. VCF Operations Orchestrator
- E. vSphere Lifecycle Manager

Answer: A,D

Explanation:

VCF 9.0 Automation provides two primary "engines" for extensibility and external system integration. VCF Operations Orchestrator is the robust, long-standing workflow engine designed for complex, multi-step orchestration across heterogeneous infrastructure. It supports extensive plugin libraries for third-party systems like ServiceNow, Infoblox, or custom REST/SOAP endpoints. Action-Based Extensibility (ABX) is the modern, serverless alternative that allows administrators to execute lightweight scripts (Python, Node.js, or PowerShell) directly within the VCF Automation framework. ABX is ideal for quick, specific tasks such as calling a web hook or performing a simple API transformation during the provisioning lifecycle. While SDDC Manager (Option D) and vSphere Lifecycle Manager (Option E) are core components of the VCF stack for management and patching, they are not used as extensibility "integrations" for data exchange in the context of automation workflows.

NEW QUESTION # 39

An administrator is configuring RBAC policies in VMware Cloud Foundation (VCF) Automation to delegate access across multiple clusters. The administrator must ensure that:

* Cluster lifecycle operations (e.g., scaling) can only be performed by a designated operations group.

* Security policies at the NSX project level remain restricted to network administrators' group.

Which two role assignments meet these requirements? (Choose two.)

- A. Assign the Service User role in VCF Automation to the operations group at the cluster scope.
- B. Assign the Security Administrator role in NSX to the network administrators group at the project scope.
- C. Assign the Organization Owner role to the network administrators group at the tenant organization level.
- D. Assign the Service Viewer role in VCF Automation to the operations group at the cluster scope.
- E. Assign the Cluster Administrator role in VCF Automation to the operations group at the cluster scope.

Answer: B,E

Explanation:

VCF 9.0 introduces a more granular RBAC model to support complex operational requirements. To meet the first requirement regarding cluster lifecycle management, the administrator must assign the Cluster Administrator role to the operations group. This role provides the specific permissions needed to perform actions such as scaling, patching, and modifying the configuration of Supervisor or TKG clusters. By scoping this at the cluster level (or within the project containing those clusters), the operations group

is empowered to maintain the resources without having broad administrative access to other organizational settings. For the second requirement, the Security Administrator role in NSX must be assigned to the network administrators group. By scoping this to the project, the network admins can manage distributed firewall rules, gateway policies, and security profiles specific to that project's VPCs while being prevented from interfering with the compute lifecycle managed by the operations team. This separation of duties is essential for large-scale enterprise deployments to prevent unauthorized security changes or accidental cluster disruptions.

NEW QUESTION # 40

Match the VMware Cloud Foundation (VCF) Operations orchestrator component with its description by dragging and dropping the correct item from the Component list on the left and place them onto the Description list on the right.

Component	Description
Workflow	Defines the modules and libraries to be used as dependencies within scripts.
Action	A list of variables, that can be used to configure constants across an entire VCF Operations orchestrator server deployment.
Scriptable task	Represents an individual function that can be used as a building block within workflows.
Workflow Token	A series of decisions and steps that are automated to run sequentially.
Resource Elements	Contains the details of a specific run of a workflow, including all parameters related to the workflow run.
Environments	A blank canvas for defining general purpose tasks using JavaScript, Node.js, Python or PowerShell.
Configuration Elements	External Objects imported into the VCF Operations orchestrator server for use within workflows.

Answer:

Explanation:

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In VMware Cloud Foundation 9.0, the VCF Operations orchestrator (formerly vRealize Orchestrator) utilizes a specific object-

