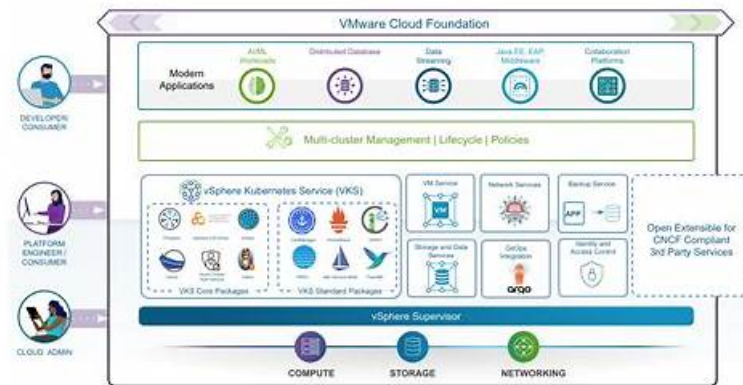


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VMware 3V0-21.25 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 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"> 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 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 (Q11-Q16):

NEW QUESTION # 11

A customer has a requirement to register a resource with an external service during provisioning in a VMApps Organization. The requirements are:

- * the registration cannot cause provisioning to fail.
- * the registration or failure will only be logged in the external service.

What two constructs satisfy the requirements? (Choose two.)

- A. Bash script on the template.
- B. Blocking event broker subscription.
- C. Non-blocking event broker subscription.
- D. ABX action.
- E. Cloud-init stanza in the blueprint.

Answer: C,D

Explanation:

To satisfy the requirement that a registration task must not impact the success of the overall deployment, a Non-blocking event broker subscription must be used. In VCF Automation 9.0, a "Blocking" subscription pauses the provisioning process until the extensibility task completes, allowing the workflow to fail the deployment if the task returns an error. Conversely, a "Non-blocking" subscription operates asynchronously; the platform fires the event and immediately continues with the VM lifecycle regardless of the task's outcome.

An Action-Based Extensibility (ABX) action is the ideal lightweight serverless function to execute this registration logic, as it can be easily configured to run in response to the event trigger without the overhead of a full orchestrator workflow. By combining these two, the administrator ensures that the external registration is attempted, and any successes or failures are handled purely within the context of that action and the external service, fulfilling the customer's logging and failure-tolerance requirements.

NEW QUESTION # 12

A VMware Cloud Foundation (VCF) Automation administrator manages two organizations:

- * Finance is a VMApps Organization.
- * Development is an AllApps Organization.

When creating a new project in the Development organization, the administrator notices that the available network options differ from those seen in the Finance organization.

Which two factors explain this difference? (Choose two.)

- A. VMApps Organizations rely on traditional vSphere-backed or NSX-backed networks for virtual machine connectivity.
- B. VMApps Organizations provide access to Supervisor networks while AllApps Organizations restrict networking to isolated VPC networks.
- C. AllApps Organizations support only ephemeral Kubernetes ingress networks, so persistent routed networks are not available.
- D. Both Organization types use the same network options, but AllApps Organizations require enabling DHCP before routed networks are visible.
- E. AllApps Organization networking includes VPC-based networks.

Answer: A,E

Explanation:

In VMware Cloud Foundation 9.0, the distinction between VMApps and AllApps Organizations is fundamental to how resources are consumed. VMApps Organizations are designed for traditional virtual machine workloads, leveraging existing vSphere-backed distributed switches or standard NSX-backed segments. In this model, networking is typically managed at the infrastructure level, and the automation portal simply maps these segments to the project. Conversely, AllApps Organizations introduce a modern cloud-consumption model centered around Virtual Private Clouds (VPCs). This enables "AllApps" users to dynamically provision isolated

network spaces, utilize VPC-based routing, and manage ingress/egress services natively within the organization. The Development organization (AllApps) sees VPC-based options because it is built to support both Kubernetes and VM workloads in a self-service, cloud-native fashion, whereas the Finance organization (VMApps) is restricted to the pre-defined, "traditional" network paths assigned by the provider. This architectural separation ensures that legacy VM environments and modern application development environments can coexist with the appropriate levels of networking complexity and isolation.

NEW QUESTION # 13

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 Security Administrator role in NSX to the network administrators group at the project scope.**
- B. Assign the Service User role in VCF Automation to the operations group at the cluster 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: A,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 # 14

An organization requires a solution that provides a "Google Cloud-like" consumption model for their on-premises infrastructure.

They need to provide developers with a single portal where they can request:

- * Virtual Machines (Windows and Linux).
- * Tanzu Kubernetes Grid (TKG) clusters.
- * S3-compatible Object Storage.
- * Managed Database Services.

Which VCF 9.0 capability directly addresses this requirement?

- A. VMApps Organizations
- **B. AllApps Organizations leveraging Supervisor Services**
- C. NSX VPC isolation
- D. VCF Operations dashboarding

Answer: B

Explanation:

The AllApps Organization in VCF 9.0 is specifically engineered to provide the "cloud-native" consumption experience required by modern development teams. While traditional VM management is handled by VMApps, the AllApps model unlocks the full potential of the vSphere Supervisor. By leveraging Supervisor Services, the organization can present a catalog that goes far beyond simple IaaS. Developers can provision not only VMs and TKG clusters but also higher-level services like vSAN Data Persistence platform for S3-compatible storage and managed databases (e.g., PostgreSQL or MySQL) through integrated operators. This architecture abstracts the underlying vSphere and NSX complexity, presenting the developer with a unified API and UI for multi-cloud-style resource consumption, directly fulfilling the goal of providing a public-cloud-like experience within the on-premises data center.

NEW QUESTION # 15

An administrator must initiate the deployment of a new 3-tier application architecture using the VMware Cloud Foundation (VCF) Automation portal. This application includes:

- * A web tier (stateless).
- * A business logic tier (some local caching).
- * A database tier (stateful, PostgreSQL).
- * An NSX load balancer fronting the web tier.
- * ~99.9% uptime requirement.
- * Moderate performance requirements.

Which requirement represents a risk inherent to single-zone deployments?

- A. A split-brain isolation.
- B. A higher latency between application tiers.
- C. A higher network complexity.
- **D. A shared failure domain for all application tiers.**

Answer: D

Explanation:

The primary architectural risk in any single-zone deployment within VCF 9.0 is the existence of a shared failure domain. In a single-zone Supervisor cluster or workload domain, all components—including the web, application, and database tiers—reside within the same logical and often physical infrastructure boundary (such as a single rack or data center room). If the underlying zone experiences a critical failure, such as a localized power outage, cooling failure, or a total top-of-rack switch collapse, the entire 3-tier application stack will go offline simultaneously. For mission-critical applications requiring high availability, VCF 9.0 recommends a multi-zone or stretched cluster architecture. In such designs, the failure of one zone does not compromise the entire application because the tiers can be distributed across different fault domains, ensuring that the stateless web tier and stateful database remain operational elsewhere. In the context of the 99.9% uptime requirement mentioned, a single-zone design represents a significant risk because it lacks the redundancy needed to survive zone-level disruptions.

NEW QUESTION # 16

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