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## VMware 2V0-16.25 Exam Syllabus Topics:

| Topic   | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic 1 | <ul style="list-style-type: none"><li>• Deploy, Configure, and Operate VMware vSphere Foundation (VVF): This section of the exam measures the expertise of Data Center Administrators and emphasizes hands-on skills in deploying and configuring VMware vSphere Foundation environments. Candidates must understand the components of a VVF deployment, configure Supervisors within clusters, and manage identity, access control, licensing, and certificate management. The objectives also extend to lifecycle management within the vSphere Foundation. Furthermore, it explores operational tasks including monitoring and analyzing logs, configuring alerting, managing dashboards, and integrating with VMware Cloud Foundation (VCF) Operations. Candidates will also be tested on cost and pricing configuration, compliance monitoring, and security hardening practices. Finally, automation skills are validated through deploying services with Supervisors, running Kubernetes workloads, using VM services, and integrating VCF Operations Orchestrator to support enterprise automation.</li></ul> |

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic 2 | <ul style="list-style-type: none"> <li>• <b>Troubleshoot and Optimize the VMware Solution:</b> This section of the exam measures the ability of Systems Engineers to troubleshoot and optimize VMware-based environments. While no explicit testable objectives are listed, candidates are expected to apply their problem-solving skills to diagnose, resolve, and enhance VMware solutions for improved reliability and performance.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Topic 3 | <ul style="list-style-type: none"> <li>• <b>VMware vSphere Foundation Fundamentals:</b> This section of the exam measures the skills of Virtualization Engineers and focuses on the essentials of virtualization technology. It introduces the principles of virtualization, explores use cases, and highlights the value it brings to businesses. Candidates are expected to demonstrate knowledge of VMware compute components such as vCenter and ESX, cluster configuration, and lifecycle management of virtual machines. It also covers secure workload operations, encryption, and managing resources with content libraries. In addition, storage fundamentals are examined through configuring vSphere storage, deploying VMware vSAN clusters, defining storage policies, and ensuring data availability. Networking fundamentals are also introduced, requiring the ability to differentiate between VMware vSphere networking components.</li> </ul> |
| Topic 4 | <ul style="list-style-type: none"> <li>• <b>IT Architectures, Technologies, Standards:</b> This section of the exam measures the understanding of IT Infrastructure Architects and covers foundational concepts of architectures, emerging technologies, and industry standards. Although no testable objectives are listed here, it establishes the baseline knowledge needed to interpret and design VMware-related environments effectively.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Topic 5 | <ul style="list-style-type: none"> <li>• <b>Plan and Design the VMware by Broadcom Solution:</b> This section of the exam measures the ability of VMware Solution Architects to plan and design solutions. While there are no specific testable objectives included, the focus is on preparing professionals to design VMware-based solutions that align with organizational goals and best practices.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## VMware vSphere Foundation 9.0 Administrator Sample Questions (Q31-Q36):

### NEW QUESTION # 31

Which VMware Cloud Foundation (VCF) Operations capability enables monitoring and optimization of a VMware vSphere Foundation (VVF) environment?

- A. Infrastructure Visibility
- B. Log Insight Integration
- C. Intelligent Alerts
- **D. Capacity Analytics**

**Answer: D**

Explanation:

The capability in VMware Cloud Foundation (VCF) Operations that directly enables monitoring and optimization of a VMware vSphere Foundation (VVF) environment is Capacity Analytics.

\* Capacity Analytics provides real-time and predictive insights into resource utilization, capacity forecasting, and optimization.

\* It analyzes historical and real-time utilization data to predict future workload demands, enabling administrators to proactively plan expansions or right-size workloads.

\* This includes what-if scenario modeling, workload optimization, and resource reclamation to ensure workloads are efficiently placed, avoiding bottlenecks and waste.

Why not the other options?

\* A. Intelligent Alerts# Provides proactive alerts and recommendations but is more focused on issue detection and notification, not optimization.

\* C. Log Insight Integration# Enables log analysis and troubleshooting, not capacity optimization.

\* D. Infrastructure Visibility# Provides monitoring and observability but does not perform predictive optimization.

References:

VMware Cloud Foundation 9.0.4 -Optimizing Capacity and Improving Performance in VCF Operations VMware Cloud

Foundation 9.0.4 -Capacity Analytics forecasting and optimization details VMware Cloud Foundation 9.0.1 -VCF Operations

functional areas: Operations management provides monitoring and optimization

### NEW QUESTION # 32

The operations team is tasked with the preparation of a weekly health status overview of a VMware vSphere Foundation (VVF) environment to senior management with the following requirements:

- \* It should be sent every Monday morning.
- \* It must include KPIs related to cluster health, storage usage, and virtual machine (VM) growth trends.
- \* Operational overhead should be minimized.

Which two actions must the administrator perform to satisfy these requirements? (Choose two.)

- A. Create a custom dashboard with the required KPIs.
- B. Export the desired metrics from the Metrics Explorer to CSV.
- C. Configure the scheduler to send the report via e-mail weekly.
- D. Create a custom View with the KPIs and add it to a new Report Template.
- E. Export the built-in Cluster Summary report via FTP.

**Answer: C,D**

Explanation:

VMware vSphere Foundation (VVF) integrates VMware Aria Operations (vRealize Operations) for intelligent operations management, enabling automated reporting to minimize operational overhead. To meet the requirements for a weekly health status overview including cluster health, storage usage, and VM growth trends, an administrator must first create a custom View in Aria Operations to define the specific KPIs (e.g., cluster availability, datastore capacity, and VM count trends over time). This View is then added to a new Report Template, which compiles the data into a structured report format like PDF or CSV. Next, the scheduler in Aria Operations is configured to generate and email the report every Monday morning, ensuring delivery without manual intervention. This approach leverages built-in automation for recurring tasks, reducing effort compared to ad-hoc exports or manual configurations.

Other options do not fully satisfy the requirements: Option A creates a dashboard for interactive visualization but not a scheduled report; Option C uses a built-in report with limited customization and no direct FTP export or scheduling; Option E involves manual CSV exports from Metrics Explorer, increasing overhead and lacking automation.

### NEW QUESTION # 33

An administrator is tasked to configure shared storage for a VMware vSphere Foundation (VVF) cluster at a remote location. The following is available at the remote location:

- \* Two ESX servers.
- \* Two 1GbE network cards per ESX.
- \* One sixteen port 1GbE Switch.
- \* One NVMe per ESX for the Operating System.
- \* One storage system supporting network and fiber channel capabilities.

What storage protocol must the administrator use at the remote location?

- A. NFS
- B. vSAN
- C. Fiber Channel
- D. Local Storage

**Answer: A**

Explanation:

The scenario:

- \* Remote site with 2 ESXi servers, 1GbE networking only.
- \* Storage system supports both network (NAS/iSCSI/NFS) and Fiber Channel.
- \* Fiber Channel is not feasible (no FC switches/HBAs).
- \* vSAN requires more than 2 nodes (minimum 3 for standard vSAN, 2+Witness for 2-node), not mentioned here.

The most suitable solution:

- \* Use NFS storage over 1GbE. (D)
- \* Provides shared storage accessible to both ESXi hosts.

Other options:

- \* A. vSAN# Needs 3+ nodes or a witness, not supported in this config.
- \* B. Local storage# Not shared, fails HA/DRS requirements.
- \* C. Fiber Channel# Requires HBAs and FC switch, not available.

References:

#### NEW QUESTION # 34

In VMware Cloud Foundation (VCF) Operations for Logs, which node type is responsible for coordinating the overall functioning of the cluster?

- A. Worker Node
- B. Data Node
- C. Replica Node
- **D. Primary Node**

**Answer: D**

Explanation:

In VCF Operations for Logs (formerly vRealize Log Insight):

\* The Primary Node is responsible for coordinating the overall functioning of the cluster, including configuration management and directing traffic.

\* Worker/Data Nodes handle log ingestion and query execution.

\* Replica Node provides HA for the Primary Node but does not act as the main coordinator.

References:

VMware Cloud Foundation 9.0 - VCF Operations for Logs Node Roles

VMware Docs: Log Insight Cluster Architecture

#### NEW QUESTION # 35

Which rule in a virtual machine (VM) storage policy is configured to ensure data redundancy in a VMware vSAN environment?

- A. Disk Stripes Per Object
- **B. Failures to Tolerate**
- C. Stripe Width
- D. Flash Read Cache Reservation

**Answer: B**

Explanation:

The VM Storage Policy rule that controls data redundancy in vSAN is Failures to Tolerate (FTT).

\* Defines the number of hardware failures (host, disk, network) that vSAN can tolerate while maintaining data availability.

\* Configurations include RAID-1 (mirroring), RAID-5/6 (erasure coding).

Other options:

\* B. Disk Stripes Per Object# Defines performance striping, not redundancy.

\* C. Stripe Width# Same as above, not redundancy.

\* D. Flash Read Cache Reservation# Relates to caching performance, not redundancy.

References:

VMware vSphere 9.0 - Storage Policy Rules in vSAN

VMware Docs: vSAN Failures to Tolerate

#### NEW QUESTION # 36

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