VMware Cloud Foundation 9.0 Administrator (2V0-17.25)

Exam Delivery

This is a proctored exam delivered through Pearson VUE. For more information, visit the Pearson VUE website.

Certification Information

For details and a complete list of requirements and recommendations for attainment, visit the VMware Certification website.

Exam Sections

VMware exam blueprint sections are now standardized to the five sections below, some of which may NOT be included in the final exam blueprint depending on the exam objectives.

- Section 1 – IT Architectures, Technologies, Standards
- Section 2 – VMware Cloud Foundation (VCF) Fundamentals
- Section 3 – Plan and Design
- Section 4 – Deploy, Configure, and Operate
- Section 5 – Troubleshoot and Optimize

If a section does not have testable objectives in this version of the exam, it will be noted accordingly. The objective numbering may be referenced in your score report at the end of your testing event for further preparation should a retake of the exam be necessary.

Exam Details

The 60-item scaled method exam requires a passing score of 300. The 135-minute appointment provides sufficient time for all candidates, including non-native English speakers.

Exam Name

VMware Cloud Foundation 9.0 Administrator (2V0-17.25)

Credential Name

VMware Certified Professional – VMware Cloud Foundation Administrator (VCP-VCF Administrator)

Minimally Qualified Candidate

The minimally qualified candidate (MQC) has the knowledge to install, configure, manage, and perform basic troubleshooting of a VMware Cloud Foundation (VCF) solution. The candidate is knowledgeable in the features, functions, and architecture of VCF and its components, including: vCenter, ESX, vSphere Supervisor, vSAN, NSX, VCF Identity Broker, VCF Automation, VCF Operations, VCF Operations for Logs, VCF Fleet Management, VCF Operations for Networks, and VCF Operations HCX.

The candidate should have a minimum of one year experience working in IT and should have a foundational knowledge of kubernetes and general enterprise IT topics including, but not limited to, hardware, storage, networking, DNS, NTP and certificates. In addition, the candidate should have at least six months of experience working with either VCF or the individual VCF components. The candidate may occasionally need to research advanced VCF topics (such as command line utilities) or request assistance to troubleshoot complex scenarios. The candidate possesses most of the knowledge shown in the exam sections in the exam blueprint.

Recommended Courses

- VMware Cloud Foundation: Build, Manage, and Secure
- VMware Cloud Foundation: Automation and Operations

References*

In addition to the recommended courses, item writers use the following references for information when writing exam questions. It is recommended that you study the reference content as you prepare to take the exam, in addition to any recommended training.

Products - The VMware Cloud Foundation 9

- https://www.vmware.com/topics/private-cloud
- https://techdocs.broadcom.com
- https://www.broadcom.com/

*Content in this exam is based on VCF 9. Review all release notes and material for features and functions.

Sections Included in this Exam

Section 1 - IT Architectures, Technologies, Standards
NO TESTABLE OBJECTIVES THIS SECTION

Section 2 - VMware Cloud Foundation (VCF) Fundamentals	
Objective 2.1 - Modern Private Cloud Vision	• Describe the principles of Private Cloud • Identify the use cases for Private Cloud • Identify the value proposition for Private Cloud
Objective 2.2 - VMware Compute Fundamentals	• Given a scenario, deploy and configure VCF compute components (vCenter and ESX) • Given a scenario, configure a vSphere Cluster • Given a scenario, deploy and configure virtual machines • Given a scenario, manage a virtual machine through vCenter
Objective 2.3 - VMware Storage Fundamentals	• Given a scenario, configure vSphere storage • Given a scenario, describe the use cases for VMware vSAN ESA or VMware vSAN OSA • Given a scenario, deploy a VMware vSAN cluster • Given a scenario, configure vSAN Storage policies • Given a scenario, identify the options for Resilience and Data Availability in VMware vSAN • Given a scenario, describe the purpose of vSAN Space Efficiency
Objective 2.4 - VMware Network Fundamentals	• Given a scenario, differentiate between VCF networking components • Given a scenario, configure virtual networking fabrics and features • Given a scenario, configure virtual networking connectivity and routing • Given a scenario, configure virtual networking services
Objective 2.5 - VMware vSphere Kubernetes Service (VKS)	• Describe vSphere Supervisor Concepts, Infrastructure Components and Security • Describe vSphere Supervisor Deployment Models, Networking and Storage • Describe vSphere Supervisor Core and Optional Services • Describe VKS Deployment and Administration

Section 3 - Plan and Design	
	NO TESTABLE OBJECTIVES THIS SECTION

Section 4 - Deploy, Configure, and Operate VMware Cloud Foundation (VCF)	
Objective 4.1 - VCF: Deploy and Configure	• Identify the components of a VCF Deployment • Given a scenario identify the appropriate VCF deployment models • Given a scenario, describe the deployment of a VCF-based private cloud • Given a scenario, identify the additional components required to complete the deployment of a VCF-based private cloud • Given a scenario, describe the deployment of and configure a VCF Network Gateway • Given a scenario, describe the deployment of VCF Networking • Given a scenario, describe the deployment of a Workload Domain in VCF • Given a scenario, configure Workload Domain storage • Given a scenario, configure Supervisor within a Workload Domain
Objective 4.2 - VCF: Manage	• Given a scenario, differentiate between the Fleet Management capabilities in VCF Operations • Given a scenario, configure Identity Management and Role-based Access Control (RBAC) in VCF • Given a scenario, configure license management within VCF • Given a scenario, configure certificate management within VCF • Given a scenario, configure Password Management within VCF • Given a scenario, identify the tasks and processes required to complete the import of an existing vCenter into VCF • Given a scenario, manage the lifecycle of VCF

Objective 4.3 - VCF: Operations	• Given a scenario, identify the use case for VCF Network Operations and VCF Operations (Logs) • Given a scenario, describe the cluster components and deployment options of VCF Operations • Given a scenario, differentiate between metrics and properties • Given a scenario, create custom Views and Reports in VCF Operations • Given a scenario, create and share dashboards in VCF Operations • Given a scenario, configure Alerting in VCF Operations • Given a scenario, monitor log events in VCF Operations • Given a scenario, monitor VMware Cloud Foundation components using VCF Health and Diagnostics • Given a scenario, monitor networks using VCF Network Operations • Given a scenario, monitor vSAN storage using VCF Storage Operations • Given a scenario, configure VCF Operations policies • Given a scenario, monitor application using VCF Operations • Given a scenario, monitor security hardening and compliance using VCF Operations • Given a scenario, configure configuration drift in VCF Operations
Objective 4.4 - VCF: Consume and Automate	• Given a scenario, identify the use case for VCF Automation • Given a scenario, describe the components and deployment options of VCF Automation • Given a scenario, configure a Region in VCF Automation • Given a scenario, configure multi-organizational tenancy in VCF Automation • Given a scenario, configure Provider Networking in VCF Automation • Given a scenario, configure a provider content library in VCF Automation • Given a scenario, complete tasks as an organizational administrator in VCF Automation • Given a scenario, configure organizational networks in VCF Automation • Given a scenario, create and manage content in VCF Automation • Given a scenario, use extensibility to automate business processes in VCF Automation • Given a scenario, create and manage organizational governance policies in VCF Automation • Given a scenario, describe the deployment of Supervisor-based Services in VMware Cloud Foundation

Section 5 - Troubleshoot and Optimize
NO TESTABLE OBJECTIVES THIS SECTION

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