# VMware vSphere Foundation 9.0 Administrator (2V0-16.25)

## 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 vSphere Foundation (VVF) Fundamentals
- Section 3 – Plan and Design
- Section 4 – Deploy, Configure, 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 vSphere Foundation 9.0 Administrator (2V0-16.25)

**Credential Name**

VMware Certified Professional – VMware vSphere Foundation Administrator (VCP-VVF Administrator)

## Minimally Qualified Candidate

The minimally qualified candidate (MQC) can deploy, configure, and manage a VMware vSphere Foundation (VVF)-based solution to support running both supervisor-based and virtual machine workloads. The candidate should have at least six months or more experience working with the VVF solution or its components. In addition, 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 compute, storage, networking, and security. The candidate is knowledgeable of the features, functions, and architectures of all VVF components, which include: VMware vSphere (vCenter Standard, ESX, vSphere Supervisor), vSAN, VCF Operations, and VCF Operations for logs.

Whilst the candidate should meet the required minimal requirements, they may occasionally need to request support from a colleague or research some advanced topics related to the aforementioned components of VVF. The candidate possesses most of the knowledge shown in the exam sections (blueprint).

## Sections Included in this Exam

**Section 1 - IT Architectures, Technologies, Standards**

### Recommended Courses

- VMware Cloud Foundation: Build, Manage, and Operate
- 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 VVF. Review all release notes and material for features and functions.

NO TESTABLE OBJECTIVES THIS SECTION

| Section 2 - VMware vSphere Foundation (VVF) Fundamentals | |
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| Objective 2.1 - Virtualization Fundamentals | • Describe the principles of Virtualization<br>• Identify the use cases for Virtualization<br>• Identify the value proposition for Virtualization |
| Objective 2.2 - VMware Compute Fundamentals | • Given a scenario, deploy and configure VVF compute components (vCenter and ESX)<br>• Given a scenario, configure a vSphere Cluster<br>• Given a scenario, deploy and configure virtual machines<br>• Given a scenario, manage a virtual machine through vCenter<br>• Given a scenario, perform Day 2 Operations within VMware vCenter<br>• Given a scenario, configure Content Libraries to manage resources<br>• Given a scenario, secure workloads and infrastructure using encryption |
| Objective 2.3 - VMware Storage Fundamentals | • Given a scenario, configure vSphere storage<br>• Given a scenario, describe the use cases for VMware vSAN ESA or VMware vSAN OSA<br>• Given a scenario, deploy a VMware vSAN cluster<br>• Given a scenario, configure vSAN Storage policies<br>• Given a scenario, identify the options for Resilience and Data Availability in VMware vSAN<br>• Given a scenario, describe the purpose of vSAN Space Efficiency |
| Objective 2.4 - VMware Network Fundamentals | • Given a scenario, differentiate between VVF networking components |
| Objective 2.5 - VMware vSphere Kubernetes Service (VKS) | • Describe vSphere Supervisor Concepts, Infrastructure Components and Security<br>• Describe vSphere Supervisor Deployment Models, Networking and Storage<br>• Describe vSphere Supervisor Core and Optional Services<br>• Describe VKS Deployment and Administration |

| Section 3 - Plan and Design |
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| NO TESTABLE OBJECTIVES THIS SECTION |

| Section 4 - Deploy, Configure, Operate VMware vSphere Foundation (VVF) | |
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| Objective 4.1 - VVF: Deploy and Configure (ready to write) | • Identify the components of a VVF Deployment<br>• Given a scenario, describe the deployment of a VVF-based environment<br>• Given a scenario, configure Supervisor within a Cluster |
| Objective 4.2 - VVF: Manage | • Given a scenario, configure Identity Management and Role-based Access Control (RBAC) in VVF<br>• Given a scenario, configure license management within VVF<br>• Given a scenario, configure certificate management within VVF<br>• Given a scenario, manage the lifecycle of VVF |

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| Objective 4.3 - VVF: Operate | • Given a scenario, identify the use case for VCF Operations and VCF Operations for Logs<br>• Given a scenario, describe the cluster components and deployment options of VCF Operations<br>• Given a scenario, describe the cluster components and deployment options of VCF Operations for logs<br>• Given a scenario, differentiate between metrics, properties and logs<br>• Given a scenario, create custom Views and Reports in VCF Operations<br>• Given a scenario, create and share dashboards in VCF Operations<br>• Given a scenario, configure Alerting in VCF Operations<br>• Given a scenario, monitor log events in VCF Operations<br>• Given a scenario, create and share dashboards in VCF Operations for logs<br>• Given a scenario, use the Explore Logs feature to analyse the logs<br>• Given a scenario, configure costing and pricing in VCF Operations<br>• Given a scenario, configure integration with VCF Operations<br>• Given a scenario, monitor vSAN storage using VCF Storage Operations<br>• Given a scenario, configure VCF Operations policies<br>• Given a scenario, monitor application using VCF Operations<br>• Given a scenario, configure Service Discovery in VCF Operations<br>• Given a scenario, monitor security hardening and compliance using VCF Operations<br>• Given a scenario, describe the cluster components and deployment options of VCF Operations for Logs<br>• Given a scenario, configure the integration with VVF components |
| Objective 4.4 - VVF: Consume and Automate | • Given a scenario, describe the deployment of Supervisor-based Services in VMware vSphere Foundation<br>• Given a scenario, describe the use case for VCF Operations Orchestrator |

| **Section 5 - Troubleshoot and Optimize** |
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| NO TESTABLE OBJECTIVES THIS SECTION |

## Exam Content Contributors

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