Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware vSphere Foundation: Build, Manage, and Operate [V9.0]

CODE:	LENGTH:	PRICE:
EDU-VMW-VSFBMO	40 Hours (5 days)	$4,250.00

Description

This five-day course provides you with the knowledge,skills, and abilities to achieve competence in deploying,configuring and managing VMware vSphere Foundation.You will learn about the architecture of vSphere Foundation,compute, storage, networks and licensing.This course prepares you to administer a vSphereFoundation, which includes VCF Operations 9.0, vCenter9.0, and ESX 9.0.

Objectives

- The 2V0-16.25 VMware vSphere Foundation 9.0 Administrator exam is the latest assessment required for earning the VCP-VVF Admin certification. It succeeds the 2V0-12.24 exam, and currently, both versions are available through Pearson VUE testing centers. The VMware Certified Professional – VMware vSphere Foundation Administrator (VCP-VVF Admin) certification is a valuable credential for IT professionals who want to validate their skills in deploying, managing, and supporting private cloud environments built on VMware vSphere Foundation (VVF).
- Language: English
- Duration: 135 Minutes
- Number of Questions: 60
- Format: Multiple Choice & Multiple Response
- Passing Score: 300
- The 2V0-16.25 exam objectives cover the following topics:
- IT Architectures, Technologies, Standards – Understanding industry standards, frameworks, and IT architectural principles.
- VMware Products and Solutions – Knowledge of VMware vSphere Foundation components and related VMware ecosystem solutions.
- Plan and Design – Designing VMware solutions that align with organizational requirements.
- Install, Configure, Administrate the VMware Solution – Hands-on skills in deploying, configuring, and managing VVF environments.
- Troubleshoot and Optimize the VMware Solution – Problem-solving and performance tuning to ensure maximum efficiency and uptime.
- Why Earn the VCP-VVF Administrator Certification?
- Achieving this VCP-VVF Administrator certification demonstrates to employers and peers that you have the expertise to:
- Operate and manage VMware vSphere Foundation 9.0 environments.
- Ensure IT infrastructure aligns with performance, availability, and security goals.
- Take on advanced roles in VMware cloud and infrastructure administration.
- It’s particularly valuable for professionals working in virtualization, cloud infrastructure, and enterprise IT operations who want to expand their skill set.

Audience

System Administrators, Solution Engineers, Consultants, Architects, and Support Personnel

Program

1. Course Introduction
Introduction and course logistics.
Course objectives.
2. VMware vSphere Foundation Overview and Architecture
Define the vSphere Foundation key features.
Explain vSphere Foundation use cases.

Explain the architecture of vSphere Foundation.
Explore the components of vSphere Foundation.
Introduction to VCF Operations.
List the steps to navigate the VCF Operations UI and vSphere UI.
3. License Management
Describe the process for managing and assigning licenses.
Enable VCF Operations integration for vCenter.
Explain license usage by product.
4. vSphere Foundation Compute
Explain basic virtualization concepts.
Describe how vSphere fits in the software-defined data center.
Describe vSphere architecture and use cases.
Recognize the user interfaces for accessing vSphere.
Install and configure ESXi host.
Create and organize vCenter inventory objects
5. vSphere Foundation Networking
Create and configure standard switch.
Create and configure distributed switch.
Differentiate between standard and distributed switches.
Explain how to set networking policies.
6. vSphere Foundation Storage
Recognize vSphere storage technologies.
Identify the types of vSphere datastores.
Describe Fibre Channel components and addressing.
Describe iSCSI components and addressing.
Configure iSCSI storage on ESXi.
Create and manage VMFS datastores.
Configure and manage NFS datastores.
7. Deploying Virtual Machines
Create and provision VMs.
Explain the importance of VMware Tools.
Manage a virtual machine from the vSphere client.
Manage virtual machine resources.
List the steps to deploy virtual machines.
Clone VMs and create customization specifications for guest operating systems.
Create local, published, and subscribed content libraries.
8. Virtual Machine Management
Migrate VMs using vSphere vMotion and Storage vMotion.
Perform snapshots operations.
Specify CPU and memory shares, reservations, and limits.
9. Deploying and Configuring vSphere Clusters
Create a vSphere cluster enabled for vSphere DRS and vSphere HA.
Explain how vSphere DRS determines VM placement on hosts in the cluster.
Recognize use cases for vSphere DRS settings.
Describe how vSphere HA responds to various types of failures.
Identify options for configuring network redundancy in a vSphere HA cluster.
Recognize vSphere HA design considerations.
Recognize the use cases for various vSphere HA settings.
Configure a vSphere HA cluster.
10. vSAN Management
Identify the features of vSAN.
Understand the key differences between vSAN OSA and vSAN ESA.
Explain the role of the performance leg and the capacity leg in vSAN ESA.
Examine vSAN ESA Object health states.
Compare how RAID-0/1/5/6 space consumption.
Identify vSAN component states.
11. vSphere Kubernetes Service Overview
Describe vSphere Supervisor Architecture and use cases.
Explain vSphere Supervisor Deployment Options.
Install vSphere Supervisor.
Explain Supervisor Storage vSphere Zones, Networking, and Storage.
Configuring and managing a supervisor.
Configuring vSphere Namespaces for Hosting VKS Clusters.
Managing vSphere Kubernetes Service Clusters.
12. VCF Operations Metrics
Outline the role of metrics in VCF Operations.
Create and configure views in VCF Operations.
Create and configure reports in VCF Operations.
Create and configure dashboards in VCF Operations.

Configure widget interactions.
Describe the purpose of using alerts.
Identify the components of an alert definition.
Create static symptom definitions.
13. vSphere Foundation Deployment
Prepare the infrastructure for VMware vSphere Foundation.
Identify the information required for the Planning and Preparation Workbook.
Explain the high-level steps to deploy vSphere Foundation.
Describe the procedure for downloading the software using online and offline modes.
Describe the vSphere Foundation workflow using the VCF Installer UI and JSON spec file.
Deploy and enable VCF Operations collector, VCF Operations for Logs, and VCF Operations Orchestrator
Deploy vCenter Server Appliance.
14. Managing the vSphere Foundation Lifecycle
Describe features of the vCenter Update Planner.
Run vCenter upgrade prechecks and interoperability reports.
Recognize features of VMware vSphere Lifecycle Manager
Validate and update ESXi hosts using vSphere Lifecycle Manager
Use vSphere Lifecycle Manager to upgrade VMware Tools and VM hardware

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
19 Apr 2026	Virtual Classroom	CST	English	Instructor Led Online		$4,250.00
17 May 2026	Virtual Classroom	CST	English	Instructor Led Online		$4,250.00
21 Jun 2026	Virtual Classroom	CST	English	Instructor Led Online		$4,250.00
26 Jul 2026	Virtual Classroom	CST	English	Instructor Led Online		$4,250.00
09 Aug 2026	Virtual Classroom	CST	English	Instructor Led Online		$4,250.00
27 Sep 2026	Virtual Classroom	CST	English	Instructor Led Online		$4,250.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.