Advanced VMware Cloud Foundation 9 Administrator (3V0-11.26)

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) Products and Solutions
- 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.

This exam may contain a variety of item types including multiple-choice, multiple-selection multiple-choice, build-list, matching, drag-and-drop, point-and-click and hot-area. Additional item types may be used but will appear less frequently than those previously mentioned.

Exam Name

Advanced VMware Cloud Foundation 9 Administrator (3V0-11.26)

Credential Name

VMware Certified Advanced Professional - VMware Cloud Foundation Administrator (VCAP-VCF Administrator)

Minimally Qualified Candidate

The minimally qualified candidate (MQC) can effectively manage, maintain, and scale a multi-region and/or multi-organization VMware Cloud Foundation (VCF) Private Cloud. They possess comprehensive knowledge of VCF features, functions, and architecture, including vCenter, ESX, vSAN, NSX, VCF Identity Broker, VCF Automation, VCF Operations (Logs, Fleet Management, and Networks), and the vSphere Kubernetes Service (VKS).

The candidate is capable of administering, optimizing, and scaling software-defined storage and networking, including the configuration of storage policies, NSX Virtual Private Clouds (VPCs), and NSX gateways with stateful services. They can manage and scale the vSphere Supervisor to support solution designs incorporating multi-zonal clusters and Supervisor add-on services such as VKS. In addition, the candidate can design, operate, and enhance VCF Automation, including Provider and Organization structures, projects, namespaces, blueprints, content libraries, policies, and access controls, as well as VCF Operations, including policies, monitoring, cost settings, intents, and configuration drift baselines. Overall, the candidate demonstrates deep expertise in VCF platform operations, scalability, and lifecycle management.

Recommended Courses

- VMware Cloud Foundation Storage: Advanced Configuration
- VMware Cloud Foundation Automation: Advanced Configuration
- VMware Cloud Foundation Operation: Advanced Configuration
- VMware Cloud Foundation Networking: Advanced Configuration
- VMware Cloud Foundation Compute: Advanced Configuration
- vSphere Kubernetes Service: Advanced Configuration

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 9.0

- 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) Products and Solutions
NO TESTABLE OBJECTIVES THIS SECTION

Section 3 - Plan and Design
NO TESTABLE OBJECTIVES THIS SECTION

Section 4 - Deploy, Configure, and Operate VMware Cloud Foundation (VCF)
Objective 4.1 - Given a scenario, deploy a vSAN Cluster within a VCF Workload Domain
Objective 4.2 - Given a scenario, deploy a vSAN Stretched Cluster within a VCF Workload Domain
Objective 4.3 - Given a scenario, deploy a VCF Workload Domain cluster with supported (non-vSAN) Storage
Objective 4.4 - Given a scenario, configure vSAN Cross-Cluster Capacity Sharing and vSAN Storage Clusters
Objective 4.5 - Given a scenario, configure vSAN Encryption
Objective 4.6 - Given a scenario, configure vSAN Data Protection
Objective 4.7 - Given a scenario, complete Day 2 administration tasks on a vSAN Cluster
Objective 4.8 - Given a scenario, complete Day 2 administration tasks on a vSAN Stretched Cluster
Objective 4.9 - Given a scenario, create/configure a vSAN Storage policy

Objective 4.10 - Given a scenario, configure vSphere advanced settings within a VCF Workload Domain
Objective 4.11 - Given a scenario, manage Virtual Machines within a VCF Workload Domain
Objective 4.12 - Given a scenario, configure Advance Network Operations within a VCF Workload Domain
Objective 4.13 - Given a scenario, optimize CPU performance in a VCF Workload Domain
Objective 4.14 - Given a scenario, optimize Memory performance in a VCF Workload Domain
Objective 4.15 - Given a scenario, optimize the performance of vCenter Server
Objective 4.16 - Given a scenario, monitor vSphere components within a VCF Workload Domain
Objective 4.17 - Given a scenario, configure vSphere Security and Access Control in VCF
Objective 4.18 - Given a scenario, configure VM Encryption and vSphere Trusted Environments
Objective 4.19 - Given a scenario, configure the Identity Provider for the Provider Management portal
Objective 4.20 - Given a scenario, create and manage Provider Content Libraries within the Provider Management portal
Objective 4.21 - Given a scenario, configure access control settings within the Provider Management Portal
Objective 4.22 - Given a scenario, create a new Organization within the Provider Management portal
Objective 4.23 - Given a scenario, enable and configure the Provider Consumption Organization (PCO)
Objective 4.24 - Given a scenario, configure Identity Providers within a VCF All Apps Organization
Objective 4.25 - Given a scenario, configure Access Control within a VCF All Apps Organization

Objective 4.26 - Given a scenario, create and manage Projects within a VCF All Apps Organization
Objective 4.27 - Given a scenario, create and manage Governance Policies within a VCF All Apps Organization
Objective 4.28 - Given a scenario, create and manage a Namespace Class within a VCF All Apps Organization
Objective 4.29 - Given a scenario, create and manage VPCs and VPC connectivity profiles within a VCF All Apps Organization
Objective 4.30 - Create Supervisor clusters with NSX VPC, NSX Segment, vDS, and Avi load balancer options
Objective 4.31 - Install, uninstall, and manage Supervisor add-on services (e.g., Harbor, external-dns)
Objective 4.32 - Update VKS clusters through rolling updates and configuration changes
Objective 4.33 - Manage package repositories, standard packages, registry secrets, and private registries
Objective 4.34 - Upgrade the Supervisor Service within a given situation
Objective 4.35 - Given a scenario, complete VCF Operations Day 2 Operational Tasks
Objective 4.36 - Given a scenario, identify the process to reclaim resources
Objective 4.37 - Given a scenario, identify the process to rightsize a workload
Objective 4.38 - Given a scenario, complete Capacity Forecasting using What-If Scenarios
Objective 4.39 - Given a scenario, complete VCF Operations cost management configuration
Objective 4.40 - Given a scenario, create/update and apply a VCF Operations policy
Objective 4.41 - Given a scenario, differentiate between the process for configuring Business Intent and Operational Intent
Objective 4.42 - Given a scenario, create Business Applications
Objective 4.43 - Given a scenario, configure an Alert

Objective 4.44 - Given a scenario, identify the process steps for scaling a VCF Fleet Management - Lifecycle
Objective 4.45 - Given a scenario, upgrade the components of a VCF Fleet
Objective 4.46 - Given a scenario, configure VCF SSO using Identity and Access Management
Objective 4.47 - Given a scenario, monitor VCF configuration using VCF Operations Config Drift
Objective 4.48 - Given a scenario, identify the process steps for deploying VMware NSX Federation in VCF
Objective 4.49 - Given a scenario, configure NSX components
Objective 4.50 - Given a scenario, identify the process for deploying an NSX Edge Cluster
Objective 4.51 - Given a scenario, identify the process for creating an NSX Tier-0 gateway
Objective 4.52 - Given a scenario, identify the process for configuring NSX VRF
Objective 4.53 - Given a scenario, identify the process steps to create an NSX Logical Segment
Objective 4.54 - Given a scenario, identify the process for creating an NSX Tier-1 gateway
Objective 4.55 - Given a scenario, deploy and manage Virtual Private Cloud (VPC)
Objective 4.56 - Configure Dynamic Host Control Protocol (DHCP)
Objective 4.57 - Identify the use case for NAT
Objective 4.58 - Given a scenario, configure Projects and Tenancy in NSX
Objective 4.59 - Given a scenario, configure advanced NSX integrations
Objective 4.60 - Perform operational tasks in a VMware NSX environment (syslog, backup/restore etc.)

Section 5 - Troubleshoot and Optimize
NO TESTABLE OBJECTIVES THIS SECTION

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