

VMware Cloud Provider Specialist

Exam Details (Last Updated: 01/09/2023)

The VMware Cloud Provider Specialist Exam (5V0-32.21) which leads to VMware Certified Specialist - Cloud Provider certification is a 53-item exam, with a passing score of 300 using a scaled method. Exam time is 110 minutes.

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, please reference the [VMware Education Services – Certification website](#).

Minimally Qualified Candidate

The minimally qualified candidate should have one or more years of experience with VMware Cloud Director and the service platforms; more than a year of hands-on experience with VMware Cloud Provider Platform; and a year or more experience in storage and networking. It is strongly recommended that this person also have successfully completed the VCD Fundamentals training and have a current VCP in CMA, DCV, DTM or NV. The successful candidate will likely hold additional industry-recognized IT certifications or accreditations. The MQC should have all the knowledge contained in the exam sections listed below.

Exam Sections

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

- Section 1 – Architecture and Technologies
- Section 2 – Products and Solutions
- Section 3 – Planning and Designing
- Section 4 – Installing, Configuring, and Setup
- Section 5 – Performance-tuning, Optimization, and Upgrades
- Section 6 – Troubleshooting and Repairing
- Section 7 – Administrative and Operational Tasks

If a section does not have testable objectives in this version of the exam, it will be noted below, 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.

Sections Included in this Exam

Section 1 - VMware vCloud Director Architecture

- Objective 1.1 - Identify the function of VMware Cloud Director cell architecture and services.
- Objective 1.2 - Identify the function of VMware Cloud Director resource abstractions.
- Objective 1.3 - Identify the function of VMware Cloud Director networking concepts.
- Objective 1.4 - Identify the function of VMware Cloud Director storage concepts.

Section 2 - VMware Products and Solutions

- Objective 2.1 - Identify the components of the Cloud Provider Platform.
- Objective 2.2 - Identify the functionality of VMware vCloud Usage Meter.
- Objective 2.3 - Identify the functionality of VMware vCloud Usage Insight and VMware Commerce Portal.
- Objective 2.4 - Identify use cases of Cloud Foundation.
- Objective 2.5 - Identify use cases of Container Service Extension.
- Objective 2.6 - Identify use cases of App Launch Pad.
- Objective 2.7 - Identify use cases of Object Storage Service.
- Objective 2.8 - Identify use cases of vRealize Orchestrator.
- Objective 2.9 - Identify components of Cloud Director Availability.
- Objective 2.10 - Identify use cases of Cloud Director Availability.
- Objective 2.11 - Identify components of vRealize Operations Tenant App for Cloud Director.
- Objective 2.12 - Identify use cases for vRealize Operations Tenant App for Cloud Director.

Section 3 - Planning and Designing - No testable objectives for this section

Section 4 - Configure and install VMware vCloud Director

- Objective 4.1 - Given an installation scenario, identify hardware and software requirements.
- Objective 4.2 - Identify the steps to install and configure VMware Cloud Director.
- Objective 4.3 - Given a scenario, identify the appropriate configuration of VMware Cloud Director networking.
- Objective 4.4 - Given a scenario, identify the appropriate configuration of VMware vSphere resources.
- Objective 4.5 - Given a scenario, identify the appropriate configuration of VMware Storage.
- Objective 4.6 - Given a scenario, identify the appropriate configuration of VMware Cloud Director resource abstractions.
- Objective 4.7 - Identify the steps to configure and enable identity provider functionality.
- Objective 4.8 - Create and manage SSL certificates
- Objective 4.9 - Identify the load balancing requirements for VMware Cloud Director.

Objective 4.10 - Identify the steps to configure Central Point of Management (CPoM).

Objective 4.11 - Identify the requirements to configure VMware vCloud Usage Meter.

Section 5 - Performance-tuning, Optimization, and Upgrades

Objective 5.1 - Given an installation scenario, identify hardware and software requirements.

Section 6 - Troubleshooting and Repairing

Objective 6.1 Identify locations for VMware Cloud Director logs.

Section 7 - Administration and Operations of VMware vCloud Director

Objective 7.1 - Identify the steps to add resources to VMware Cloud Director.

Objective 7.2 - Identify how to manage cloud resources using VMware Cloud Director.

Objective 7.3 - Identify how to manage organizations in VMware Cloud Director.

Objective 7.4 - Identify the Organization Virtual Data Center (oVDC) allocation models in VMware Cloud Director.

Objective 7.5 - Identify how to manage catalogs using VMware Cloud Director user interface.

Objective 7.6 - Identify default and custom VMware Cloud Director user roles and groups.

Objective 7.7 - Identify the steps to configure and manage vApps.

Objective 7.8 - Identify the steps to configure and manage Virtual Machines (VMs).

Objective 7.9 - Identify how to configure and apply VMware Cloud Director Availability Policies and SLA Profiles.

Objective 7.10 - Identify the available tenant networking objects in VMware Cloud Director.

Objective 7.11 - Identify the functionality of Data Center Groups.

Objective 7.12 Identify how to configure VMware Cloud Director for multi-site management

Recommended Courses

[VMware Cloud Director: Install, Configure, Manage \[V10.3\]](#)

[VMware Cloud Director: Install, Configure, Manage \[V10.3\] – On Demand](#)

Certification Requirements

VCP-DCV 2022

References

In addition to the recommended courses, item writers used 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 the recommended training.

Name
Cloud Director Documentation
Cloud Director Installation and Upgrade Guide - 10.2

Container Service Extension Github Page
VMware Cloud Director App Launchpad Documentation
VMware Cloud Director Availability Documentation
VMware Cloud Director Object Storage Extension Documentation
VMware Cloud Provider Architecture
VMware Commerce Portal Documentation
VMware vCloud Usage Insight Documentation
VMware vCloud Usage Meter Documentation

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