

# VMware Telco Cloud NFV Skills

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

The VMware Telco Cloud NFV Skills exam (5V0-37.22) which leads to VMware Telco Cloud NFV Skills badge is a 51-item exam, with a passing score of 300 using a scaled method. Exam time is 105 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 (MQC) should have 3 to 6 months hands-on experience with VMware Telco Cloud Infrastructure Cloud Director Edition. The MQC has working knowledge of vSphere, and basic understanding of ETSI architecture and VMware Telco Cloud services (benefits/features). The Minimally Qualified Candidate also has awareness of storage, networking, and security services. They also understand cloud management (private, public and hybrid) concepts. The MQC should possess the majority of the knowledge of the objectives shown in the exam sections in this guide.

## 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- Architecture and Technologies

Objective 1.1- Identify the key functions of Telco Cloud

Objective 1.2- Identify the components of the VMware Telco Cloud Infrastructure architecture

Objective 1.3- Identify valid VMware Telco Cloud Infrastructure deployment options

Objective 1.4- Identify the function of components of the VMware Cloud Director architecture

### Section 2- VMware Products and Solutions

Objective 2.1- Identify the role of VMware Cloud Director in VMware Telco Cloud Infrastructure architecture

Objective 2.2- Identify the key VMware components that are part of VMware Cloud Director

Objective 2.3- Identify the key use cases for VMware Cloud Director based VMware Telco Cloud Infrastructure

### Section 3- Planning and Designing

Objective 3.1- Identify characteristics of physical and virtual infrastructures

Objective 3.2- Identify the advantages and components of the NFV infrastructure (NFVI)

Objective 3.3- Identify the function of network virtualization in the NFVI

Objective 3.4- Identify requirements of NFVI on VMware Cloud Director

Objective 3.5- Identify key networking use cases

Objective 3.6- Identify the storage options of VMware Cloud Director

### Section 4- Installing, Configuring, and Setup

Objective 4.1- Given a VMware Cloud Director architecture, identify the component that is responsible for that function.

Objective 4.2- Identify the function of resource pools

Objective 4.3- Identify the functional characteristics of vSAN storage policies

Objective 4.4- Identify how compute resources are provided to VMware Cloud Director

Objective 4.5- Identify how storage resources are provided to VMware Cloud Director

Objective 4.6- Identify characteristics of VMware Cloud Director organizations

Objective 4.7- Identify characteristics of VMware Cloud Director organization VDC

Objective 4.8- Identify characteristics of organization VDC allocation models

Objective 4.9- Identify characteristics of types of resources that can be allocated

Objective 4.10.- Identify the characteristics of the network types available in VMware Cloud Director (external, organization, and vApp)

Objective 4.11- Identify the process of adding and modifying elements in the catalog

Objective 4.12- Identify the characteristics of vApps

Objective 4.13- Identify the characteristics of affinity and anti-affinity rules

Objective 4.14- Identify key networking use cases in VMware Cloud Director

Objective 4.15- Identify the use and placement of NSX Edge services gateways in relation to VMware Cloud Director

Objective 4.16- Identify the characteristics of Firewall management in VMware Cloud Director with Edge services gateways and the distributed firewall

Objective 4.17- Identify characteristics of the architecture of VMware NSX-T Data Center

Objective 4.18- Identify the function of VMware Cloud Director supported features of NSX-T Data Center

Objective 4.19- Identify the benefits and challenges of networking between VDCs

Objective 4.20.- Identify the requirements for networking between VDCs

#### Section 5- Performance-tuning, Optimization, Upgrades

Objective 5.1- Identify the function of key resources that need to be managed with VMware Cloud Director

Objective 5.2- Identify the characteristics of features of vRealize Operations Manager

Objective 5.3- Identify the purpose of the vRealize Operations Tenant App for VMware Cloud Director

Objective 5.4- Identify the steps to monitor VMware Cloud Director environments with vRealize Log Insight

#### Section 6- Troubleshooting and Repairing

Objective 6.1- Identify the type of information that is available from fault management in VMware Cloud Director

Objective 6.2- Identify the type of information that is available from performance management in VMware Cloud Director

Objective 6.3- Identify the use of logs in VMware Cloud Director

#### Section 7- Administrative and Operational Tasks

Objective 7.1- Identify the characteristics of role-based access

Objective 7.2- Identify the characteristics of the Directory Services in VMware Cloud Director

### Recommended Courses

[VMware Telco Cloud Platform \(TCP\) Foundations \[v2.0\]](#)

[VMware Telco Cloud Infrastructure: Install, Configure, Manage\[V2.0\]](#)

### 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.

<https://learning.customerconnect.vmware.com/oltpublish/site/program.do?dispatch=showCourseSession&id=adcbf701-b87c-11eb-8643-0cc47adeb5f8>

[https://mylearn.vmware.com/mgrReg/courses.cfm?ui=www\\_edu&a=one&id\\_subject=97110](https://mylearn.vmware.com/mgrReg/courses.cfm?ui=www_edu&a=one&id_subject=97110)

<https://docs.vmware.com/en/VMware-Telco-Cloud-Infrastructure---Cloud-Director-Edition/2.0/Telco-Cloud-Infrastructure-Cloud-Director->

[Edition-Reference-Architecture-Guide-20.pdf](https://docs.vmware.com/en/VMware-Telco-Cloud-Infrastructure---Cloud-Director-Edition/2.0/Telco-Cloud-Infrastructure-Cloud-Director-Edition-Reference-Architecture-Guide-20.pdf)

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/vmw-telco-cloud-infrastructure-datasheet.pdf>

<https://docs.vmware.com/en/VMware-Cloud-Director/10.2/VMware-Cloud-Director-Tenant-Portal-Guide/GUID-BC504F6B-3D38-4F25-AACF-ED584063754F.html>

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