

Associate VMware Data Center Virtualization

Exam Details

The Associate VMware Data Center Virtualization Exam (1V0-21.20), which leads to VMware Certified Technical Associate - Data Center Virtualization 2023 is a 51-item exam, with a passing score of 300 using a scaled method. Exam time is 135 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 Learning Services - Certification website](#).

Minimally Qualified Candidate

The minimally qualified candidate has basic hands-on experience operating vSphere. The minimally qualified candidate also has working knowledge of vSphere, guest operating systems and storage, networking and hardware knowledge.

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 Task

If a section is missing from the list below, please note it is because the exam has no testable objectives for that section. 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 how physical resources are presented to multiple virtual machines.
- Objective 1.2: Identify how virtual resources can be shared across multiple virtual machines.
- Objective 1.3: Identify examples of type 1 and type 2 hypervisors.
- Objective 1.4: Identify business challenges addressed by vSphere.
- Objective 1.5: Identify the components of a vSphere environment.
- Objective 1.6: Identify vSphere virtual networking components and types.
- Objective 1.7: Identify the characteristics of storage access protocols for vSphere.
- Objective 1.8: Identify the characteristics of vSphere storage technologies.
- Objective 1.9: Identify the purposes of different virtual machine files.
- Objective 1.10: Identify the types of OS that can run on virtual machines.
- Objective 1.11: Identify use cases for virtual machine snapshots, cloning and templates.
- Objective 1.12: Identify the functionality of the vSphere vMotion and Storage vMotion technology
- Objective 1.13: Identify the use cases of vSphere vMotion and Storage vMotion technology
- Objective 1.14: Identify the characteristics of vSphere High Availability and Fault Tolerance.
- Objective 1.15: Identify use cases of High Availability and Disaster Recovery.
- Objective 1.16: Identify the functionality of VMware Distributed Resource Scheduler (DRS).
- Objective 1.17: Given a DRS score, identify the meaning.
- Objective 1.18: Identify the use cases for Enhanced vMotion Compatibility (EVC).

Section 2 – VMware Products and Solutions - There are no testable objectives for this section

Section 3 – Planning and Designing - There are no testable objectives for this section

Section 4 – Installing, Configuring, and Setting Up

- Objective 4.1: Identify Virtual Switch configuration options.
- Objective 4.2: Identify how to configure different types of datastores.
- Objective 4.3: Identify how to configure vSphere HA.
- Objective 4.4: Identify how to configure vSphere DRS.
- Objective 4.5: Identify how to configure EVC.

Section 5 – Performance-tuning, Optimization, Upgrades - There are no testable objectives for this section

Section 6 – Troubleshooting and Repairing - There are no testable objectives for this section

Section 7 – Administrative and Operational Tasks

- Objective 7.1: Identify how to create and manage VVI snapshots.
- Objective 7.2: Identify how to manage VVI templates and clones.
- Objective 7.3: Identify the considerations when provisioning a VM.
- Objective 7.4: Identify the options that can be performed on different inventory objects.

Objective 7.5: Identify the concepts of role-based user management

Objective 7.6: Identify virtual networking issues that impact vSphere.

Objective 7.7: Identify virtual storage issues that impact vSphere.

Objective 7.8: Identify the purpose of monitoring alarms, tasks and events.

Objective 7.9: Identify how to monitor vSphere Cluster and SDRS Cluster.

Objective 7.10: Identify how to perform and monitor vMotion. Storage vMotion, and Cold migrations.

Objective 7.11: Given a vSphere environment. identify how to use performance charts to monitor the environment.

Objective 7.12: Identify the purpose for VMware Tools.

Associated Certification

[VCTA-DCV 2023](#)

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.

Name	Products
http://www.vmware.com	VMware vRealize Operations v8.6; VMware vRealize Log Insight v8.8; VMware vRealize Suite Lifecycle Manager v8.8
http://kb.vmware.com	VMware vRealize Operations v8.6; VMware vRealize Log Insight v8.8; VMware vRealize Suite Lifecycle Manager v8.8
https://blogs.vmware.com	VMware vRealize Operations v8.6; VMware vRealize Log Insight v8.8; VMware vRealize Suite Lifecycle Manager v8.8
https://docs.vmware.com	VMware vRealize Operations v8.6; VMware vRealize Log Insight v8.8; VMware vRealize Suite Lifecycle Manager v8.8
https://www.vmware.com/support/pubs/	VMware vRealize Operations v8.6; VMware vRealize Log Insight v8.8; VMware vRealize Suite Lifecycle Manager v8.8
https://www.vmware.com/techpapers.html	VMware vRealize Operations v8.6; VMware vRealize Log Insight v8.8; VMware vRealize Suite Lifecycle Manager v8.8
*Content in this exam is based on below product versions: VMware vRealize Operations v8.6; VMware vRealize Log Insight v8.8; VMware vRealize Suite Lifecycle Manager v8.8. Review all release notes and material for features and function.	

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