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 2021 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 Education 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 the Exam

Section 1 - Architecture and Technologies

Objective1.1: 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 Setup

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 VM snapshots.

Objective 7.2: Identify how to manage VM 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.

Recommended Courses

VMware Data Center Virtualization: Core Technical Skills