

5V0-21.21 VMware HCI Master Specialist

Exam Details

The Master Specialist HCI exam (5V0-21.21), which leads to Master Specialist - HCI 2021 certification, is a 55-item exam with a passing score of 300, using a scaled method. Exam time is 100 minutes.

Exam Delivery

This is a proctored exam delivered through Pearson VUE. For more information, visit the [Pearson VUE website](#).

Badge 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 will have achieved VCP-DCV and vSAN Specialist certification. Candidates should have 1 year of experience designing, configuring, managing, and upgrading VMware HCI environments. Candidates should be familiar with deployment and administration of VMs using Storage Policy-Based Management. Candidates should have intermediate knowledge of storage, storage hardware, monitoring, and remediation topics, as well as basic networking and security knowledge and must have completed the VMware vSAN: Deploy and Manage training. The MQC should have all of 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 Task

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 the Exam

Section 1 - Architecture and Technologies - There are no testable objectives for this

Section 2 - VMware Products and Solutions

Objective 2.1 - Given a scenario, identify the VMware products and solutions that will interact with a vSAN solution.

Objective 2.2 - Given a scenario, identify the VMware products and solutions that will consume a vSAN solution.

Section 3 - Planning and Designing

Objective 3.1 - Given a scenario, identify the appropriate vSAN cluster design.

Objective 3.2 - Given a scenario, identify the appropriate vSAN services design. Objective 3.3 - Use vSAN design and sizing tools (sizing cache tier for workload; no of nodes; VM sizing; Live Optics; HCI Bench etc.)

Objective 3.3 - Given a scenario, identify the implications of integrating VMware solutions with vSAN.

Objective 3.4 - Given a scenario, identify how to plan and size a vSAN implementation.

Objective 3.5 - Given a scenario, identify the use cases for an HCI Mesh infrastructure.

Section 4 - Installing, Configuring, and Setup - There are no testable objectives for this

Section 5 - Performance-tuning, Optimization, Upgrades

Objective 5.1 - Given a scenario, identify the appropriate vSAN upgrade methodology.

Objective 5.2 - Given a scenario, identify how to apply the appropriate maintenance mode option.

Objective 5.3 - Given a scenario, identify the appropriate method for managing disks and disk groups.

Section 6 - Troubleshooting and Repairing

Objective 6.1 - Given a scenario, identify the appropriate action to recover from a vSAN or infrastructure failure.

Objective 6.2 - Given a scenario, identify the appropriate action to troubleshoot performance issues in a vSAN deployment.

Objective 6.3 - Given a scenario, identify the steps to troubleshoot a stretched vSAN cluster. Objective 6.4 - Evaluate performance information in the UI and using vsantop

Section 7 - Administrative and Operational Tasks

Objective 7.1 - Identify vSAN data placement changes (stretched clusters, fault domains)

Objective 7.2 - Identify the operational tasks required to manage an encrypted vSAN.

Objective 7.3 - Given a scenario, identify the impact of making changes to a storage policy.

Objective 7.4 - Given a scenario, identify the tasks to manage a stretched vSAN cluster.

Recommended Courses

(Required)VMware vSAN: Management and Operations [V7]

VMware vSAN: Plan and Deploy [V7]

-VMware vSAN: Troubleshooting [V7]

References

<http://www.vmware.com> - [Section and Objective Topics]

<http://kb.vmware.com> - [Section and Objective Topics]

<https://blogs.vmware.com> - [Section and Objective Topics]

<https://docs.vmware.com> - [Section and Objective Topics]

<https://pubs.vmware.com> – [Section and Objective Topics]

<https://www.vmware.com/techpapers.html> – [Section and Objective Topics]

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