

VMware HCI Master Specialist

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

The Master Specialist HCI exam (5V0-21.21), which leads to VMware Certified Master Specialist - HCI 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](#).

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

A minimally qualified candidate (MQC) has 6-12 months hands-on experience implementing, managing and troubleshooting a vSphere 7 infrastructure. They are typically administrators, capable of performing deployment and administration of a virtual infrastructure using vSphere. The candidate also has working knowledge of storage, networking, hardware, security, business continuity and disaster recovery concepts.

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 – Architectures and Technologies- There are no testable objectives for this section.

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

[VMware vSAN: Management and Operations \[V7\]](#)

[VMware vSAN: Management and Operations \[V7\] - On Demand](#)

[VMware vSAN: Plan and Deploy \[V7\]](#)

[VMware vSAN: Fast Track \[V7\]](#)

[VMware vSAN: Plan and Deploy \[V7\] - On Demand Japanese](#)

[VMware vSAN: Plan and Deploy \[V7\]- On demand](#)

[VMware vSAN: Install, Configure, Manage \[V7\]](#)

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.

<http://www.vmware.com>

<http://kb.vmware.com>

<https://blogs.vmware.com>

<https://docs.vmware.com>

<https://pubs.vmware.com>

<https://www.vmware.com/techpapers.html>

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