

VMware vSAN Specialist v2

Exam Details (Last Updated: 02/01/2022)

The VMware vSAN Specialist v2 Exam (5V0-22.23), which leads to the VMware Certified Specialist – vSAN specialist certification, is a 76-item exam with a passing score of 300 using a scaled method. Exam time is 125 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) must have earned a VCP/ VCAP/ VCIX / VCDX 2021 or newer. It is recommended the MQC have 6-12 months hands-on experience configuring, managing and designing vSphere and vSAN. The MQC is also experienced in deployment and administration of VMs using Storage Policy-Based Management and has basic knowledge of: storage, networking, hardware, security, and monitoring and troubleshooting. 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 vSAN requirements

Objective 1.2: Identify how vSAN stores and protects data

Objective 1.3: Identify vSAN space efficiency features

Objective 1.4: Given a scenario, identify the architectural requirements of a standard vSAN cluster, vSAN 2-node cluster, and a vSAN stretched cluster

Objective 1.5: Identify vSAN data services requirements

Objective 1.6: Identify requirements for vSAN ESA

Section 2 - Products and Solutions

Objective 2.1: Removed - Given a scenario, identify when and how to use vSphere Replication in combination with vSAN

Objective 2.2: Removed - Identify how to monitor vSAN with vRealize Operations

Objective 2.3: Identify which VMware solutions integrate with vSAN

Objective 2.4: Removed - Identify Data Persistence platform (DPp) deployment options

Section 3- Planning and Designing

Objective 3.1: Given a scenario, identify vSAN design considerations

Objective 3.2: Given a scenario, identify how to design a vSAN cluster

Objective 3.3: Given a scenario, identify how to use vSAN design and sizing tools

Objective 3.4: Given a scenario, identify interoperability with other vSphere features

Objective 3.5: Given a scenario, identify how VMware solutions integrate with vSAN

Objective 3.6: Given a scenario, identify when to use HCI Mesh

Section 4- Installing, Configuring, and Setup

Objective 4.1: Identify how to create and manage vSAN cluster configurations

Objective 4.2: Identify how to configure a vSAN cluster

Objective 4.3: Given a scenario, identify how to configure vSAN storage policies

Objective 4.4: Given a scenario, identify how to configure vSAN cluster services

Objective 4.5: Identify how to configure vSAN stretched cluster and 2-node configurations

Objective 4.6: Removed - Identify how to configure Cloud Native storage (CNS) with appropriate policies

Objective 4.7: Identify how to configure vSAN HCI Mesh

Objective 4.8: Identify the interoperability of HCI mesh with vSAN

Objective 4.9: Identify how to validate a vSAN deployment

Section 5 - Performance-tuning, Optimization, and Upgrades

Objective 5.1: Given a scenario, identify how to apply patches using vSphere Lifecycle Manager (LCM)

Objective 5.2: Given a scenario, identify how to upgrade an HCI environment using vSphere Lifecycle Manager (vLCM)

Objective 5.3: Given a scenario, identify how to add and remove hosts from a vSAN cluster

Objective 5.4: Given a scenario, identify how to create, expand, reconfigure, and remove disk groups and storage pools

Objective 5.5: Given a scenario, identify how to create and remove vSAN Direct Configuration

Objective 5.6: Given a scenario, identify how to manage firmware and driver versions using Skyline Health, vSphere Lifecycle Manager (LCM), and Compatibility Guide

Objective 5.7: Identify how to set vSphere Lifecycle Manager (LCM) desired image

Objective 5.8: Given a scenario, identify when to use component striping

Section 6- Troubleshooting and Repairing

Objective 6.1: Given a scenario, identify the impact of the vSAN failure

Objective 6.2: Given a vSAN scenario, interpret Skyline Health warnings

Objective 6.3: Identify how to determine vSAN health using the UI or ESXCLI

Objective 6.4: Identify how to gather vSAN performance information in the UI or using vsantop

Objective 6.5: Identify how to manage vSAN hardware lifecycle

Objective 6.6: Identify how to monitor resync impact

Objective 6.7: Removed - Identify how to remove unassociated vSAN objects to reclaim capacity

Objective 6.8: Identify the significance of durability components

Objective 6.9: Identify how to resolve capacity issues using storage policies

Objective 6.10: Identify how to resolve vSAN object compliance issues

Section 7- Administrative and Operational Task

Objective 7.1: Identify how to create, update, and modify vSAN storage policies and apply to objects

Objective 7.2: Identify vSAN data placement changes

Objective 7.3: Identify how to interpret vSAN storage capacity

Objective 7.4: Given a scenario, evaluate vSAN performance metrics

Objective 7.5: Identify effects of maintenance mode options

Objective 7.6: Given a scenario, identify how to add capacity to a vSAN cluster

Objective 7.7: Given a scenario, identify how to patch a vSAN cluster

Objective 7.8: Identify the operational characteristics/differences between standard vSAN cluster, vSAN 2-node architecture and vSAN stretched cluster

Objective 7.9: Identify the characteristics of the different types of encryption

Objective 7.10: Identify how to utilize TRIM and UNMAP from vSAN and guest OS perspective

- Objective 7.11: Given a scenario, evaluate vSAN performance metrics
- Objective 7.12: Given a scenario, identify the effects of maintenance mode options
- Objective 7.13: Identify how to monitor vSAN storage policy compliance
- Objective 7.14: Given a scenario, interpret the results of Skyline Health Check
- Objective 7.15: Identify the impact of vSAN storage policy changes
- Objective 7.16: Identify how to use Skyline health check to maintain a healthy status of a vSAN cluster
- Objective 7.17: Given a scenario, identify how to start up and shut down a vSAN cluster
- Objective 7.12 – Configure alarms

Recommended Courses

[VMware vSAN: Install, Configure, Manage \[v8\]](#)

Certification Requirements

VCP/ VCAP / VCDX / VCIX 2021 or newer

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.

VMware vSAN: Install, Configure, Manage [v8] course
VMware vSAN Administration Guide
VMware vSAN Monitoring and Troubleshooting
vSAN Frequently Asked Questions
*Content in this exam is based on vSAN v8. Review all 8.0 release notes and material for features and function.

Exam Content Contributors

Abdullah Abdullah
Adam Sweetser
Bart Peeters
Christian Mohn
Joey Ketels
Laurens van Duijn
Maciej Losek
Manfred Hofer
Marc van de Logt
Paul McSharry
Pawel Piotrowski
Rudi Martisen
Sjaak Bakker



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