



VMware vSAN: Troubleshooting [8] H9TF7S

Course ID	H9TF7S
Duration	2 days
Format	ILT/VILT
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This hands-on training course provides the knowledge and skills to troubleshoot VMware vSAN™ clusters. You will learn the best practices to maintain a healthy vSAN environment and mitigate potential issues that may occur with operation of the software. You will learn the GUI and CLI vSAN monitoring and troubleshooting tools. The course provides a logical framework for a systematic troubleshooting approach, and you will learn how to troubleshoot vSAN common issues with examples. The labs provided in the course simulate real-world problems to evaluate and enhance your troubleshooting skills.

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Audience

- Experienced system vSAN administrators
- Customers, cloud architects, systems engineers, and data center administrators

Prerequisites

Before taking this course, you should have completed at least one of the following courses:

- VMware vSphere®: Install, Configure, Manage [V8]
- VMware vSAN: Install, Configure, Manage [V8]

Course objectives

By the end of the course, you should be able to:

- Learn vSAN best practices for planning and availability
- Outline vSAN networking best practices
- Describe Skyline Advisor™ Pro

- Learn about vSAN Skyline™ Health
- Discuss vSAN monitoring and troubleshooting tools integrated within vSphere
- Outline the common vSAN troubleshooting commands
- Understand how to benchmark vSAN performance
- Identify factors which may impact vSAN performance
- Outline vSAN troubleshooting framework
- List the most common vSAN issues
- Learn how to troubleshoot vSAN common issues
- Discuss how to get further support from the VMware community and knowledge base articles
- Learn how to effectively contact VMware technical support
- Enhance and test vSAN troubleshooting skills through labs

Detailed course outline

Module 1: Course Introduction	<ul style="list-style-type: none"> • Introductions and course logistics 	<ul style="list-style-type: none"> • Course objectives
Module 2: vSAN Best Practice and Problems Prevention	<ul style="list-style-type: none"> • Discuss the importance of vSAN planning and availability best practice • Discuss vSAN networking best practice • Discuss the importance of vSAN Data protection • Understand the Data protection best Practice • Discuss the importance of vSAN hardware compatibility 	<ul style="list-style-type: none"> • Learn how to check hardware compatibility for vSAN • List the factors that impact vSAN performance • Learn how to benchmark vSAN performance • Discuss the importance of Skyline Advisor • Learn how to use Skyline Advisor
Module 3: vSAN Monitoring and Troubleshooting tools	<ul style="list-style-type: none"> • Explain vSAN Skyline Health features • Discuss the other vSAN cluster-level monitoring in the VMware vSphere® client • Discuss vSAN host-level monitoring in the vSphere client • Discuss vSAN VM-level monitoring in the vSphere Client 	<ul style="list-style-type: none"> • Understand tasks and events views within the vSphere client • Describe vSphere Alarms • Learn how to use the CLI to find information about vSAN cluster
Module 4: vSAN Best Practice and Problems Prevention	<ul style="list-style-type: none"> • Discuss the importance of vSAN planning and availability best practice • Discuss vSAN networking best practice • Discuss the importance of vSAN Data protection • Understand the Data protection best Practice • Discuss the importance of vSAN hardware compatibility 	<ul style="list-style-type: none"> • Learn how to check hardware compatibility for vSAN • List the factors that impact vSAN performance • Learn how to benchmark vSAN performance • Discuss the importance of Skyline Advisor • Learn how to use Skyline Advisor
Module 5: Troubleshooting Process	<ul style="list-style-type: none"> • Learn the recommended vSAN troubleshooting process • Describe the PNOMA framework 	<ul style="list-style-type: none"> • Learn how to troubleshoot vSAN common issues
Module 6: Getting Support	<ul style="list-style-type: none"> • Discuss how to get further support from the community and the knowledge base articles 	<ul style="list-style-type: none"> • Learn how to effectively contact VMware technical support
Module 7: Troubleshooting Labs	<ul style="list-style-type: none"> • Enhance and test vSAN troubleshooting skills through labs 	

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