Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware vSAN: Troubleshooting [V8]

CODE:	LENGTH:	PRICE:
EDU-VMW-VSANT8	16 Hours (2 days)	$1,850.00

Description

This two-day, hands-on training course provides the knowledge to troubleshoot VMware vSAN™ clusters. In this course, 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. 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.

Objectives

Upon completing this course, the learner will be able to meet these overall objectives:

- 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

Audience

The primary audience for this course is as follows:

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

Prerequisites

Before taking this course, you must complete at least one of the following courses:

- VMware vSphere: Install, Configure, Manage [V8]
- VMware vSAN: Install, Configure, Manage [V8]
- You should also have understanding or knowledge of these technologies:
- Good understanding of storage concepts
- Good understanding of network concepts

Program

Module 1: Course Introduction

• Introductions and course logistics
• Course objectives

Module 2: vSAN Best Practice and Problems Prevention

• 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
• 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

• 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
• 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

• 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
• 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

• Learn the recommended vSAN troubleshooting process
• Describe the PNOMA framework
• Learn how to troubleshoot vSAN common issues

Module 6: Getting Support

• Discuss how to get further support from the community and the knowledge base articles
• Learn how to effectively contact VMware technical support

Module 7: Troubleshooting Labs

• Enhance and test vSAN troubleshooting skills through labs

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.