VMware vSAN: Troubleshooting [V8]

Duration 2 Days

COURSE DESCRIPTION

This two-day, hands-on training course provides the knowledge to troubleshoot VMware vSANTM 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.

COURSE OBJECTIVES

By the end of the course, you should be able to meet the following objectives:
- Learn vSAN best practices for planning and availability
- Outline vSAN networking best practices
- Describe Skyline AdvisorTM Pro
- Learn about vSAN SkylineTM 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

COURSE OUTLINE

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

WHO SHOULD ATTEND

- Experienced system vSAN administrators
- Customers, cloud architects, systems engineers, 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