VMWARE VSAN: TROUBLESHOOTING [V7]

APP

Course Level:
Advanced

Course Duration:
2 Days

Course Overview:

This two-day VMware vSAN: Troubleshooting [V7] training course from CloudThat teaches how to troubleshoot VMware vSAN 7 implementations. Candidates attending this course also learn the various vSAN troubleshooting concepts through interactive instructor-led activities and hands-on lab sessions.

By enrolling in our VMware vSAN: Troubleshooting [V7] training program, learners will acquire the necessary skills and knowledge to pass the final exam successfully. Candidates attending our training get access to the authored curriculum and can learn through engaging and interactive sessions delivered by VMware certified in-house trainers.

Product Alignment

• VMware ESXi 7

• VMware vCenter Server 7

• VMware vSAN 7

Prerequisites

Before taking this course, students should take the following courses or have equivalent knowledge

and experience:

• VMware vSphere: Install, Configure, Manage

• VMware vSAN: Plan and Deploy

• VMware vSAN: Management and Operations

The course presumes that a student can perform the following tasks with no assistance or guidance before enrolling:

Use VMware vSphere Client for common operations

Create and manage VMware vCenter Server objects, such as data centers, clusters, hosts, and virtual machines

Create and modify a standard switch

Modify a distributed switch

Create a VMware vSphere VMFS datastore

Use a wizard or a template to create a virtual machine

Migrate a virtual machine with VMware vSphere vMotion and VMware vSphere Storage vMotion

Objectives

Describe the architectural components of vSAN and their roles

Explain how the components interact with each other

Explain the differences between object and component states

Describe how to use Skyline Health to investigate and help determine failure conditions

Explain how to use the command-line tools to help determine failure conditions

Course Outline

Module 1: Course Introduction

Topics

- Introductions and course logistics
- Course objectives

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Module 2: vSAN Architecture

Topics

- Describe the vSAN architecture and components
- Describe the policy-driven, object-based vSAN storage environment
- Describe the CLOM, DOM, LSOM, CMMDS, and RDT vSAN software components
- Explain the relationship between objects and components
- Determine how specific storage policies affect components
- Describe component placement

Course Outline

Module 3: Troubleshooting Methodology

Topics

- Use a structured approach to solve configuration and operational problems
- Apply troubleshooting methodology to logically diagnose faults and optimize troubleshooting efficiency

Module 4: Troubleshooting Tools

Topics

- Discuss VMware Skyline Health and the associated service
- Describe the use of VMware Skyline Health to identify and correct problems in VMware vSAN
- Apply information presented by vSAN Health online towards problem-solving
- Use vsantop to view vSAN performance metrics
- Discuss the ways to run commands from the vCenter Server and ESXi command lines
- Discuss the ways to access vSphere ESXi Shell
- Use commands to view, configure, and manage your vSphere environment
- Discuss the esxcli vsan namespace commands
- Discuss when to use Ruby vSphere Console (RVC) commands
- Explain which log files are useful for vSAN troubleshooting
- Use log files to help troubleshoot vSAN problems

Who Should Enroll for this Course?

Storage and virtual infrastructure administrators who want to be able to perform initial troubleshooting on their software-defined storage with vSAN

About CloudThat

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K+ IT professionals from fortune 500 companies on technologies such cloud, Artificial Intelligence, Machine Learning, IoT, OpenStack, OpenShift, DevOps, MongoDB, Big Data and more.

Through sheer dedication and excellence in the field of cloud training, CloudThat has recently being recognized as **VMware Authorized Training Reseller**. In addition, CloudThat is a proud Microsoft Gold Partner, AWS Advanced Consulting Partner, Google Cloud Platform Partner, and Databricks Partner. Recently, we have won the Microsoft Asia Superstar Campaign for India-2021 for being a global leader in providing cloud training and consultancy services with exemplary track record.

Our Success Track

10+ Years of Experience	100+ Corporates served	28+ countries catered
500K+ Professionals trained	200+ Projects delivered	350+ Cloud certifications

To know more about our VMware certification training, email at **sales@cloudthat.com** or call us at **+918880002200.**