pcsnet

VMWA-43 - VMWARE CLOUD FOUNDATION: TROUBLESHOOTING [V5.0]

Categoria: **VMware**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
3 Giorni	VMware	VMware Certified Instructor	Professionista IT	VMware

OBIETTIVI

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

- Use logs to identify, analyze, and troubleshoot problems related to VMware Cloud Foundation bring-up
- Use logs to identify, analyze, and troubleshoot problems related to VMware Cloud Builder™ appliance and services
- Use the Supportability and Serviceability (SoS) utility to identify and fix VMware Cloud Foundation infrastructure issues
- Identify, analyze, and troubleshoot problems related to host commissioning in VMware Cloud Foundation
- Identify, analyze, and troubleshoot problems related to workload domain creation in VMware Cloud Foundation
- Identify, analyze, and troubleshoot problems related to VMware NSX® in VMware Cloud Foundation
- Identify, analyze, and troubleshoot problems related to certificates in VMware Cloud Foundation
- Identify, analyze, and troubleshoot problems related to passwords in VMware Cloud Foundation
- Identify, analyze, and troubleshoot problems related to life cycle management (LCM) in VMware Cloud Foundation
- Identify, analyze, and troubleshoot problems related to using APIs in VMware Cloud Foundation

PREREQUISITI

This course requires completion of the following course:

- VMware Cloud Foundation: Deploy, Configure, Manage

The course material presumes that you can perform the following tasks with no assistance or guidance before enrolling in this course:

- Operational capabilities with VMware vSphere® processes and architecture
- Operational capabilities with NSX
- Operational knowledge of VMware vSAN™
- Minimum one year experience with VMware Cloud Foundation

CONTENUTI

1 Course Introduction

- Introductions and course logistics

- Course objectives

2 Troubleshooting VMware Cloud Foundation Bring-up
- Explain VMware Cloud Foundation bring-up troubleshooting methodologies
- Discuss the VMware Cloud Foundation bring-up validation precheck process
- Use log files to identify VMware Cloud Foundation bring-up failures
- Understand common VMware Cloud Foundation bring-up validation precheck errors

3 Workload Domain Troubleshooting
- Use logs to perform workload domain troubleshooting
- Review logs for problem scenarios
- Review VMware Cloud Foundation SDDC Manager capabilities and services
- Discuss SDDC Manager troubleshooting options
- Use the SoS utility
- Apply troubleshooting methodologies to identify potential failed workflows within SDDC Manager

4 VMware Cloud Foundation Networking
- Maintain a VMware NSX® Manager™ cluster
- Understand NSX compute host connectivity and troubleshoot issues
- Use CLI tools to troubleshoot NSX compute host connectivity
- Implement NSX routing and switching in VMware Cloud Foundation
- Identify NSX troubleshooting tools and methodologies
- Discuss NSX Edge cluster troubleshooting options
- Apply troubleshooting methodologies to identify potential NSX routing and switching issues in VMware Cloud Foundation

5 VMware Cloud Foundation Certificates
- Create a certificate signing request
- Manage certificates for VMware Cloud Foundation components
- Add a certificate authority in SDDC Manager
- Replace certificates with SDDC Manager
- Apply troubleshooting methodologies to identify potential certificate errors

6 Troubleshooting Password Management
- Explain password rotation in SDDC Manager
- Summarize password management best practices
- Perform password rotation
- Use API calls and CLI tools to manage passwords
- Identify common password management problems

7 VMware Cloud Foundation Lifecycle Management
- Describe life cycle management architecture and terminology
- Discuss upgrade bundle management in SDDC Manager
- Automate VMware Cloud Foundation upgrades
- List component upgrade prerequisites
- Upgrade SDDC Manager
- Upgrade vSphere elements
- Upgrade NSX
- Upgrade VMware Aria Suite™ products

-Apply troubleshooting methodologies to identify potential issues with a VMware Cloud Foundation upgrade

8 VMware Cloud Foundation API
-Explain the use cases for the VMware Cloud Foundation API
-List the supported API commands
-Discuss token-based authentication types
-Use API tools
-Apply troubleshooting methodologies to VMware Cloud Foundation API calls

INFO

Materiale didattico: Materiale didattico ufficiale VMware in formato digitale
Costo materiale didattico: incluso nel prezzo del corso a Calendario
Natura del corso: Operativo (previsti lab su PC)