VMware Cloud Foundation: Troubleshooting [V5.0]

Course code: VMW_VCFT

This three-day training course provides the advanced knowledge, skills, and tools to achieve competency in troubleshooting problems in VMware Cloud Foundation™ infrastructure. In this course you are exposed to tools and methodologies that help you support and troubleshoot your VMware Cloud Foundation environment. In addition, various scenarios are presented to you in hands-on student labs and simulations where you will learn to identify, analyze, and solve problems systematically in VMware Cloud Foundation infrastructure.

Affiliate	Duration	Course price	ITB
Praha	3	1 240 €	0
Bratislava	3	1 240 €	0

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
13.11.2025	3	1 240 €	Online	EN	TD SYNNEX AS Czech - Online

The prices are without VAT.

Who is the course for

Experienced System Administrators, System Engineers, System Integrators

What we teach you

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 Builder™ appliance and services
- Use the Supportability and Serviceability (SoS) Utility tool to identify and fix issues VMware Cloud Foundation infrastructure
- 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 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 Target

Required skills

This course requires completion of the following course:

- VMware Cloud Foundation: Deploy, Configure, Manage [V5.0]

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 VMware NSX®
- Operational knowledge of VMware vSAN™
- Minimum one year experience with VMware Cloud Foundation

Course outline

1 Course Introduction

- Introductions and course logistics
- Course objectives

GOPAS Praha
Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno
Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava
Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk

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2 Troubleshooting VMware Cloud Foundation Bring-up

- Learn VMware Cloud Foundation bring-up troubleshooting methodologies
- Understand VMware Cloud Foundation bring-up validation pre-check process
- Use log files to identify VMware Cloud Foundation bring-up failures
- Understand Common VMware Cloud Foundation bring-up validation pre-check 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
- SDDC Manager troubleshooting options
- Use the Supportability and Serviceability (SoS) utility tool
- Apply troubleshooting methodology to identify potential failed workflows with SDDC Manager

4 VMware Cloud Foundation Networking

- Learn the components of VMware NSX architecture
- Maintain a VMware NSX Manager cluster
- Understand routing and switching with VMware NSX
- Summarize VMware Cloud Foundation networking requirements
- Describe the role of VMware NSX in VMware Cloud Foundation
- Deploy VMware NSX in VMware Cloud Foundation domains
- Implement VMware NSX routing and switching in VMware Cloud Foundation
- Understand VMware NSX troubleshooting tools and methodologies
- Apply troubleshooting methodology to identify potential VMware NSX routing and switching issues in VMware Cloud Foundation

5 VMware Cloud Foundation Certificates

- Review cryptography fundamentals
- Explain the VMware Certificate Authority (VMCA) architecture
- Recall public key infrastructure (PKI) components
- Create a certificate signing request (CSR)
- Manage certificates for VMware Cloud Foundation components
- Add a certificate authority (CA) in SDDC Manager
- Replace certificates with SDDC Manager
- Apply troubleshooting methodology to identify potential certificate errors

6 Troubleshooting Password Management

- Understand password rotation in SDDC Manager
- Summarize password management best practices
- Perform password rotation
- Use API calls and command-line tools to manage passwords
- Identify common password management problems

7 VMware Cloud Foundation Lifecycle Management

GOPAS Praha
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info@gopas.cz

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info@gopas.sk

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- Automate VMware Cloud Foundation upgrades
- Understand component upgrade prerequisites
- Upgrade SDDC Manager
- Upgrade VMware vSphere elements
- Upgrade VMware NSX
- Upgrade VMware Aria™ Suite products
- Apply troubleshooting methodology 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 VMware Cloud Foundation API calls
- Understand Token-based authentication types
- Use API tools
- Apply troubleshooting methodology VMware Cloud Foundation API calls

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