

## **Enterprise Computing Solutions - Education Services**

# **TRAINING OFFERING**

You can reach us at:

Arrow ECS B.V., Kromme Schaft 5, 3991 AR Houten, The Netherlands

Email: education.ecs.nl@arrow.com Phone: +31 20 582 6109



## VMware Cloud Foundation: Troubleshooting [V5.0]

CODE: LENGTH: PRICE:

VMW VCFT5 24 Hours (3 days) Request Price

## **Description**

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.

## **Objectives**

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

#### **Audience**

Experienced System Administrators, System Engineers, System Integrators

#### **Prerequisites**

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

## **Programme**

### 1 Course Introduction

- · Introductions and course logistics
- Course objectives

## 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 Foundationbring-up failures
- Understand Common VMware Cloud Foundationbring-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 Foundationdomains
- 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

- 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 Foundationupgrade

#### 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

## **Further Information**

**Product Alignment** 

- VMware Cloud Foundation 5.0
- VMware vSphere 8.0
- VMware NSX 4.0

#### **Session Dates**

On request. Please contact us

## **Additional Information**

his training is also available as onsite training. Please contact us to find out m	his	training is also	available as o	nsite training. F	Please contact us to	find out more.
--	-----	------------------	----------------	-------------------	----------------------	----------------