

# VMware Telco Cloud: Day 2 Operate and Scale V2.x

## VMware Telco Cloud: Day 2 Operate and Scale V2.x



This five-day, hands-on training course provides the knowledge to operate and scale VMware Telco Cloud version 2.x products in a Telco cloud provider environment. In this course, you are exposed to the entire VMware Telco Cloud portfolio, and the tools and methodologies available to ensure they operate effectively. In addition, you are presented with various scenarios where you will be guided through the process of identifying, analyzing, and formulating solutions to performance and other problems.

### Kursinhalt

- Course Introduction
- Overview of Network Transformation
- Service Delivery with VMware Telco Cloud
- Supporting VMware Telco Cloud Service Delivery
- Securing VMware Telco Cloud
- Assessing Service Provision
- Designing a VMware Telco Cloud Solution
- Implementing VMware Telco Cloud Products
- Maintaining Telco Services
- Troubleshooting Deployed Telco Services
- Scaling VMware Telco Cloud Products

**E-Book** Sie erhalten englischsprachige Unterlagen von VMware als E-Book.

### Zielgruppe

- Experienced system administrators and network administrators
- Customers, cloud architects, systems engineers, data center administrators
- Network administrators with experience in managed services or managing a Telco Cloud environment

### Voraussetzungen

Before taking this course, you must complete at least one of the following courses:

- VMware Telco Cloud Automation: Install, Configure, Manage
- VMware Telco Cloud Service Assurance: Install, Configure, Manage
- VMware Telco Cloud Infrastructure: Install, Configure, Manage
- VMware Telco Cloud Platform: Install, Configure, Manage

You should also have understanding or knowledge of these technologies:

- Good understanding of TCP/IP services and protocols
- Substantial knowledge of TCP/IP networking
- Substantial knowledge of containers and VMware Tanzu Kubernetes Grid
- Experience with working at the Linux command line

### Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: [www.experteach.de/go/VTCD](http://www.experteach.de/go/VTCD)

### Vormerkung

Sie können auf unserer Website einen Platz kostenlos und unverbindlich für 7 Tage reservieren. Dies geht auch telefonisch unter 06074 4868-0.

### Garantierte Kurstermine

Für Ihre Planungssicherheit bieten wir stets eine große Auswahl garantierter Kurstermine an.

### Ihr Kurs maßgeschneidert

Diesen Kurs können wir für Ihr Projekt exakt an Ihre Anforderungen anpassen.

Training	Preise zzgl. MwSt.	
Termine in Deutschland	5 Tage	€ 3.750,-
Online Training	5 Tage	€ 3.750,-
Termine auf Anfrage		

Stand 27.04.2024



# Inhaltsverzeichnis

## VMware Telco Cloud: Day 2 Operate and Scale V2.x

### 1 Course Introduction

- Introductions and course logistics
- Course objectives

### 2 Overview of Network Transformation

- Reviews the technologies that enable modern networks
- Lists the components of modern service provider networks
- Outlines characteristics of modern service provider networks in meeting customer application needs

### 3 Service Delivery with VMware Telco Cloud

- Outlines the components of the VMware Telco Cloud portfolio
- Reviews the role each VMware Telco Cloud product plays in delivering telco services
- Specifies the dependencies each product has on underlying technologies

### 4 Supporting VMware Telco Cloud Service Delivery

- Reviews the products that implement the virtualization, management, platform, and orchestration layers
- Outlines the role played by other VMware products such as NSX in delivering cloud services
- Outline opensource integration options with VMware Telco Cloud products

### 5 Securing VMware Telco Cloud

- Reviews security threats that affect telco services
- Identifies the critical telco assets that are prone to attack
- Outlines best practice for securing VMware Telco Cloud products and underlying technology
- Provides overview of appropriate security controls for VMware Telco Cloud products

### 6 Assessing Service Provision

- Reviews tools and methodologies used to gather requirements
- Outlines how to assess cloud-native capabilities
- Documenting findings
- Identifying security vulnerabilities with Helm.
- Reviews VMware's Customer Engagement process
- Capturing infrastructure requirements from TCA

### 7 Designing a VMware Telco Cloud Solution

- Selecting appropriate deployment topology
- Pros and cons of design choices
- How a design choice might be affected by other factors such as NSX and TKG deployment, or data center architecture
- Outlines typical scenarios where specific products align with identified requirements
- Documenting a design
- Designing for availability
- Ensuring a design aligns with best practice
- Specifying monitoring options

### 8 Implementing VMware Telco Cloud Products

- Review deployment options for VMware products
- Integrating new products with existing ones
- Outline post-installation tasks
- Adding the new products as data sources in monitoring tools such as vRealize Operations and vRealize Operations Network Insight
- Ensuring products meet security requirements
- Configuring monitoring software
- Outlines the xNF onboarding process in TCA

### 9 Maintaining Telco Services

- Outlines typical administrative tasks in ensuring services are maintained
- Use of native and other VMware performance monitoring tools
- Reviewing performance data
- Role of SLAs in service maintenance
- Reviews scenarios where known behaviors indicate problems

### 10 Troubleshooting Deployed Telco Services

- Reviews the troubleshooting tools available
- Using tools to gather useful data
- Outlines how event correlation can be used to isolate problems
- Using a methodology to determine the root cause of a problem
- Steps to identify and resolve a problem
- Reviews scenarios where known problems are isolated and resolution steps identified

### 11 Scaling VMware Telco Cloud Products

- Assessing if operations are impacted by lack of resources now or will be in the future
- Reviews performance optimization options
- Identifies implications for other products if you scale VMware Telco Cloud products
- Reviews VMware sizing guidelines

