

VMware Telco Cloud Service Assurance: Install, Configure, Manage [V2.0]

1 Course Introduction

- Introduction and course logistics
- Course objectives

2 Introduction to VMware Telco Cloud Service Assurance

- Describe the features of VMware Telco Cloud Service Assurance
- List the capabilities of VMware Telco Cloud Service Assurance
- Discuss the use cases of VMware Telco Cloud Service Assurance
- Describe the role played by VMware Telco Cloud Service Assurance components in delivering service assurance
- List the architecture components of VMware Telco Cloud Service Assurance

3 Deploying VMware Telco Cloud Service Assurance

- Explain different deployment options of VMware Telco Cloud Service Assurance
- Identify different deployment methods of VMware Telco Cloud Service Assurance
- Discuss different phases in deploying VMware Telco Cloud Service Assurance
- Identify different footprints available for HA based and non-HA based installation of VMware Telco Cloud Service Assurance
- Describe the Smarts components of VMware Telco Cloud Service Assurance
- Deploy VMware Telco Cloud Service Assurance

4 User Access Control

- Describe the features Role-based Access Control (RBAC)
- Outline the role of Keycloak in implementing RBAC in VMware Telco Cloud Service Assurance
- Configure user federation in Keycloak
- Use the VMware Telco Cloud Service Assurance UI to manage RBAC
- Create policies in VMware Telco Cloud Service Assurance that align with job roles

5 Services and User Interface Configurations

- Describe the core services on a TCSA cluster

- Discuss the Global Manager or Service Assurance Manager (SAM), IP Domain Manager, Server Manager (ESM)
- Discuss VMware Telco Cloud Service Assurance UI Overview
- Discuss 5G integration options in VMware Telco Cloud Service Assurance
- Explain Working with Notifications
- Explain Viewing and configuring Topologies
- Describe Topology Explorer
- Explain Collecting Troubleshooting Information
- Discuss Custom models
- Describe how compute resources are provided to VMware Telco Cloud Service Assurance
- Describe how storage is provided to VMware Telco Cloud Service Assurance
- Configure and manage VMware Telco Cloud Service Assurance
- Discuss configurable options for VMware Telco Cloud Service Assurance

6 Day 1 and Day 2 Operations

- Identify different data sources to be used with VMware Telco Cloud Service Assurance
- Configure different collectors with VMware Telco Cloud Service Assurance
- Describe Alarms and Thresholds
- Demonstrate how to configure alarms with VMware Telco Cloud Service Assurance
- Explain how to setup thresholds and timelines in VMware Telco Cloud Service Assurance

7 Logs and Troubleshooting

- Identify the installation logs of VMware Telco Cloud Service Assurance
- Discuss VMware Telco Cloud Service Assurance installations logs
- List Smarts installation logs
- List the Kubernetes CLI commands that are used for troubleshooting
- Identify the approach for troubleshooting containerized services
- Discuss monitoring services