VMware Cloud Foundation: Troubleshooting [V9.0] Training

Duration: **5 Day**

BILGINÇ IT Academy
info@bilginc.com
bilginc.com

VMware Cloud Foundation (VCF) 9.0 Troubleshooting is an advanced hands-on training program designed for IT professionals responsible for maintaining and supporting **VMware Cloud Foundation** environments. This intensive five-day course focuses on diagnosing, analysing, and resolving issues across VCF infrastructure using practical labs and real-world troubleshooting scenarios.

Participants will gain expertise in **VCF Deployment**, **vSphere**, **vSAN**, **Networking**, **Automation**, **Licensing**, and **Operations Management**, while learning how to perform effective **Root Cause Analysis** through detailed log investigation.

Prerequisites

Participants should ideally have:

- Completed **VMware Cloud Foundation Fundamentals for Technical Support**
- Basic VMware infrastructure knowledge
- Familiarity with **Command-Line Interfaces (CLI)**
- Understanding of virtualization and data center technologies

Who Should Attend

This course is ideal for:

- **System Administrators**
- **Solution Engineers**
- **Technical Consultants**
- **Support Engineers**
- VMware infrastructure specialists
- Cloud and data center operations teams

What You Will Learn

By the end of this course, learners will be able to:

- Describe the **VMware Cloud Foundation 9.0** architecture and core components.
- Troubleshoot deployment and upgrade-related issues.
- Analyse **VCF Installer** logs and identify installation failures.
- Manage and validate VCF licensing processes.
- Resolve **Workload Domain** creation issues.
- Troubleshoot **vSphere**, **vSAN**, and network-related problems.
- Monitor and validate **VMSP Cluster** health.
- Perform advanced **Root Cause Analysis** using operational logs.

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Training Outline

- ation workflow analysis
- VCF deployment log investigation
- **VMware vSphere Foundation** architecture
- Installation troubleshooting techniques

Upgrade Troubleshooting

- Infrastructure-based deployment models
- Validation and pre-check error resolution
- **VCF Installer Troubleshooting**
- **vSphere Foundation 9.0 Private Cloud**
- Supported upgrade paths
- Upgrade prerequisites and best practices

Licensing Troubleshooting

- Connected and disconnected licensing models
- License assignment processes
- Licensing log analysis
- ESX host license verification
- Resolving licensing issues

Workload Domain Troubleshooting

- **Workload Domain Architecture**
- Domain creation workflow
- Network pool troubleshooting
- ESX host commissioning
- Workload domain deployment analysis

VMware Cloud Foundation Compute Troubleshooting

- Compute resource monitoring
- ESX host diagnostics
- vCenter issue resolution
- Virtual machine troubleshooting
- vSphere cluster functionality
- Diagnostic and remediation techniques

vSAN Storage Troubleshooting

- **vSAN Health Monitoring**
- VCF Operations Console
- vSphere Client health checks
- Object health analysis
- Storage performance troubleshooting

VMware Cloud Foundation Networking Troubleshooting

- Network operations monitoring

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- Operations Network Appliance deployment
- Traffic flow analysis
- Network performance diagnostics
- Connectivity issue resolution

VCF Operations Fleet Management

- Centralized password management
- Password policy implementation
- Password expiration monitoring
- VCF component password updates
- Access management practices

VMware Cloud Foundation Automation Troubleshooting

- **VMSP Cluster Architecture**
- Cluster provisioning analysis
- Critical log file investigation
- Health monitoring using **kubectl**
- Support log bundle generation and analysis
- Automation platform troubleshooting