

Course : VMware Cloud Foundation: Troubleshooting V9 (VCFT)

Official Course, VMware Exam Preparation

Practical course - 5d - 35h00 - Ref. VCT

Price : 4220 € E.T.

NEW

With this training, you will gain the knowledge, skills, and abilities needed to troubleshoot VMware Cloud Foundation (VCF) 9.0 environments. This course combines theoretical instruction with hands-on lab exercises to help you develop advanced skills for diagnosing and resolving issues in these environments. It also emphasizes troubleshooting, incident resolution, and log analysis to help you identify key information and determine the root causes of problems.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Describe the VMware Cloud Foundation solution, its architecture, and its components
- ✓ Understanding the Deployment Model Based on Existing Infrastructure
- ✓ Apply a troubleshooting methodology to resolve pre-verification and validation errors
- ✓ Identify and analyze the logs needed to troubleshoot the VCF installer and licenses
- ✓ Diagnose issues related to the workflow for creating workload domains
- ✓ Monitor and analyze vSAN status and network operations (traffic, performance) using VCF Operations and vSphere
- ✓ Troubleshoot the VMSP cluster (architecture, logs, kubectl) and collect/analyze VCF Automation support bundles

Intended audience

System administrators, solutions engineers, consultants, and support staff.

Prerequisites

Have completed "VMware Cloud Foundation Fundamentals for Technical Support" (Support Learning Path – Step 1). A good knowledge of CLIs is recommended. A good understanding of written English is required.

PARTICIPANTS

System administrators, solutions engineers, consultants, and support staff.

PREREQUISITES

Have completed "VMware Cloud Foundation Fundamentals for Technical Support" (Support Learning Path – Step 1). A good knowledge of CLIs is recommended. A good understanding of written English is required.

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

Practical details

Teaching methods

The training session will be conducted in French. Official course materials will be provided in English and in digital format.

Course schedule

1 Troubleshooting VCF Deployment

- Describe the VCF solution.
- Describe the architecture and components of the VCF.
- Describe the sequence of steps that occur during the VCF installation process.
- Identify the key log files for troubleshooting the VCF installation.
- Describe the VMware vSphere Foundation solution.
- Describe the architecture and components of vSphere Foundation.

2 Troubleshooting Upgrades

- Understand the deployment model based on the existing infrastructure.
- Explain the troubleshooting methodology for resolving common validation pre-check errors.
- Identify and use the appropriate logs to troubleshoot the VMware Cloud Foundation (VCF) installer.
- Explain the main components and features of VMware vSphere Foundation 9.0 Private Cloud.
- Understanding the Architecture of the VMware vSphere Foundation 9.0 Private Cloud.
- Identify and analyze the supported upgrade paths to the vSphere Foundation 9.0 private cloud.
- Identify the prerequisites for deploying vSphere Foundation.

3 License Troubleshooting

- Describe the licensing process for connected and disconnected deployments.
- Identify the log file and its location for the VCF licensing components.
- Run commands on the ESX host to check the license status.

4 Troubleshooting the Workload Domain

- Describe the architecture and components of the workload domain.
- Explain the workflow for creating a workload domain.
- Troubleshoot issues related to creating network pools.
- Troubleshoot the ESX host deployment.
- Troubleshoot the various steps involved in creating a workload domain.

5 Troubleshooting VMware Cloud Foundation Compute

- Monitor computing environments using VMware Cloud Foundation.
- Effectively troubleshoot ESX hosts and vCenter issues.
- Effectively diagnose and resolve problems with virtual machines.
- Describe the features of a vSphere cluster and the associated issues.
- Describe the results of the diagnostic test to identify and correct problems.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

6 Troubleshooting VCF vSAN Storage

- Monitor the status of vSAN using the VCF Operations Console.
- Monitor the status of vSAN using VCF Operations Health Diagnostics in the vSphere Client.
- Monitor the status of objects in the vSphere client.

7 Troubleshooting the VMware Cloud Foundation Network

- Monitor network operations.
- Deploy the appliance on the operations network.
- Analyze network traffic and performance.

8 Troubleshooting Fleet Management in VCF Operations

- Describe centralized password management in VCF operations.
- Implement a password management system.
- Monitor password expiration dates.
- Update the passwords for the VCF components.

9 Troubleshooting VMware Cloud Foundation Automation

- Describe the architecture and components of the VMSP cluster.
- Identify the key log files for troubleshooting VMSP cluster provisioning.
- Identify the key kubectl commands and logs to verify the health of the VMSP cluster.
- Generate, download, and review the structure of the VCF automation support log bundle.

Options

Certification : 360 € H.T.

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Dates and locations

REMOTE CLASS

2027 : 18 Jan., 24 May, 30 Aug., 15 Nov.

PARIS LA DÉFENSE

2027 : 18 Jan., 24 May, 30 Aug., 15 Nov.