

Course : VMware Cloud Foundation: Solution Architecture and Design V9 (VCFSAD)

Official Course: Preparation for the 2V0-13.25 Exam

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

Price : 4220 € E.T.

NEW

In this course, you will develop a clear understanding of the VMware Cloud Foundation (VCF) architecture and the key design decisions to consider during an initial deployment. It introduces the methodological framework and associated terminology, then highlights the key considerations for designing, deploying, and operating a VCF environment. The course focuses on the principles applicable to a single-site deployment.

Teaching objectives

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

- ✓ Describe and apply a design framework appropriate for a VCF project
- ✓ Gather and document requirements, constraints, assumptions, and risks using a design methodology
- ✓ Explain the key VCF concepts (site, fleet, instance)
- ✓ Identify the data center infrastructure requirements needed to support VCF
- ✓ Compare and select storage and network design options in VCF
- ✓ Designing a Single-Site VCF Deployment: Management/Workload Domains, Compute, and Storage Resources
- ✓ Defining Consumption and Operations: VCF Automation/Supervisor, Day 2, Reporting, and Advanced Services

Intended audience

Architects and technical and solutions consultants who design enterprise-grade private cloud environments.

PARTICIPANTS

Architects and technical and solutions consultants who design enterprise-grade private cloud environments.

PREREQUISITES

Knowledge and experience with vSphere, NSX, and vSAN.

Understanding of the fundamentals of the VMware Cloud Foundation (VCF) architecture. Good written English skills.

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.

Prerequisites

Knowledge and experience with vSphere, NSX, and vSAN. Understanding of the fundamentals of the VMware Cloud Foundation (VCF) architecture. Good written English skills.

Practical details

Teaching methods

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

Course schedule

1 Architectural Frameworks and Models

- Present the architectural frameworks.
- Identify business objectives.
- Describe the design patterns.

2 Introduction to VMware Cloud Foundation

- Analyze VCF design plans and use cases.
- Present the principles of upgrading.
- Introduce license management.

3 Designing VCF Fleets and Instances

- Define sites, fleets, and instances.
- Distinguish between the areas of management and workload.
- Design conceptual and logical diagrams.
- Design the VCF operations platform.

4 Design of the Physical Infrastructure and the VCF Network

- Define the network design.
- Design the VCF network.

5 Basic Principles of Storage and vSAN

- Introduce VCF storage.
- Evaluate storage design considerations.

6 Management Area

- Present the design of the management domain.
- Determine the sizing requirements for the management domain.
- Formalize design decisions for the management domain.
- Identify the storage requirements for management workloads.
- Define the network requirements for management workloads.
- Describe the platform-based protection mechanisms.

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.

7 Workload Areas

- Present the design of the workload domain.
- Present the concept of clusters.
- Identify the storage needs of workload domains.
- Define the network requirements for workload domains.
- Analyze security design considerations.

8 Summary of Considerations Regarding the AMPRS VCF

- Design for availability.
- Designing for Management.
- Designing for Performance.
- Design for Recovery.
- Designing for Safety.

9 VCF Consumption Design with VCF Automation and Monitoring

- Introducing VCF Automation.
- Describe VCF automation rental models.
- Identify the VCF automation and monitoring components.
- Analyze the design considerations for VCF automation and monitoring.

10 Post-Deployment Operations (Day 2) with VCF

- Describe Day 2 operations.
- Present VCF operations and the design of indicators and dashboards.
- Identify key indicators for computing, storage, and networking.
- Introducing VCF Operations for Networks: Overview and Design.

11 Considerations for Upgrading the VCF

- Present the VCF upgrade.
- Identify the key considerations related to upgrading the VCF.

12 Advanced VCF Services

- Introducing private AI.
- Introduce VMware Live Recovery.
- Introducing Advanced Security.

Options

Certification : 360 € H.T.

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Dates and locations

REMOTE CLASS

2027 : 8 Mar., 14 June, 6 Sep., 29 Nov.

PARIS LA DÉFENSE

2027 : 8 Mar., 14 June, 6 Sep., 29 Nov.