

# VMWA-49 - VMWARE CLOUD FOUNDATION: SOLUTION ARCHITECTURE AND DESIGN [9.0]

Categoria: **VMware**

## INFORMAZIONI SUL CORSO



**Durata:**  
5 Giorni



**Categoria:**  
VMware



**Qualifica Istruttore:**  
VMware Certified  
Instructor



**Dedicato a:**  
Professionista IT



**Produttore:**  
VMware

## OBIETTIVI

By the end of the course, you should be able to meet the following objectives:

- Describe and apply an appropriate design framework.
- Apply a design process for gathering requirements, constraints, assumptions and risks.
- Understand VMware VCF constructs such as site, fleet and instance.
- Understand data center fabric needs to support VCF.
- Understand VCF storage and network design options.
- Design a single site single fleet deployment of VCF with recommended design options.
- Design management and workload domains with appropriate compute and storage resources.
- Design a consumption layer leveraging VCF Automation and Supervisor.
- Understand the day-2 operating model, operations metrics, and reporting needs of VCF.
- Understand future opportunities to extend the VCF platform with advanced services.

## PREREQUISITI

## CONTENUTI

### Module 1 Course Introduction

- Introductions and course logistics
- Course objectives

### Module 2. Architecture Frameworks and Models

- Architecture Frameworks
- Business Objectives
- Design Models

### Module 3. VMware Cloud Foundation Overview

- VCF Design Blueprints and Use Cases
- Upgrade Overview
- License Management Overview

**Module 4. VCF Fleet and Instance Design**

- Sites, Fleets and Instances
- Management and Workload Domains
- Designing Conceptual and Logical Designs
- VCF Operations Platform Design

**Module 5. Building the Physical Fabric and VCF Networking Design**

- Networking Fabric Design
- VCF Networking Design

**Module 6. Storage and vSAN Essentials**

- VCF Storage Overview
- Storage Design Considerations

**Module 7. Management Domain**

- Management Domain Design Overview
- Management Domain Design Sizing Considerations
- Management Domain Design Decisions
- Storage Requirements for Management Workloads
- Networking Requirements for Management Workloads
- Platform-Based Protection Mechanisms

**Module 8. Workload Domains**

- Workload Domain Design Overview
- Cluster Design Overview
- Storage Requirement for Workload Domains
- Networking Requirements for Workload Domains
- Security Design Considerations

**Module 9. VCF AMPRS Considerations Summary**

- Designing for Availability
- Designing for Manageability
- Designing for Performance
- Designing for Recoverability
- Designing for Security

**Module 10. VCF Consumption Design with VCF Automation and Supervisor**

- VCF Automation Overview
- VCF Automation Tenancy Models
- VCF Automation and Supervisor Components
- VCF Automation and Supervisor Design Considerations

**Module 11. Day 2 Operations with VCF**

- Day 2 Operations Overview
- VCF Operations Overview and Metric/Dashboard Design
- VCF Operations Key Metrics for Compute, Storage and Networks
- VCF Operations for Networks Overview and Design

**Module 12. VCF Upgrade Considerations**

- VCF Upgrade Overview
- VCF Upgrade Key Considerations

**Module 13. VCF Advanced Services**

- Introduction to Private AI
- Introduction to VMware Live Recovery
- Introduction to Advanced Security

**INFO**

**Esame:** 2V0-13.25 - VMware Cloud Foundation 9.0 Architect --- VMware Certified Professional - VMware Cloud Foundation Architect (VCP-VCF Architect)

**Materiale didattico:** Materiale didattico ufficiale VMware in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)