VMware Cloud Foundation: Solution Architecture and Design (VCFSAD)

ID VCFSAD **Price** on request **Duration** 5 days

Who should attend

Technical and Solution Architects and Consultants who design enterprise-grade private cloud environments

This course is part of the following Certifications

VMware Certified Professional – VMware Cloud Foundation Architect (VCP-VCFAR)

Course Objectives

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.

Course Content

Course Introduction

- Introduction and course logistics
- Course Objectives

Architecture Frameworks and Models

- Architecture Frameworks
- Business Objectives
- Design Models

VMware Cloud Foundation Overview

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

VCF Fleet and Instance Design

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

Building the Physical Fabric and VCF Networking Design

- Networking Fabric Design
- VCF Networking Design

Storage and vSAN Essentials

- VCF Storage Overview
- Storage Design Considerations

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

Workload Domains

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

VCF AMPRS Considerations Summary

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

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

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

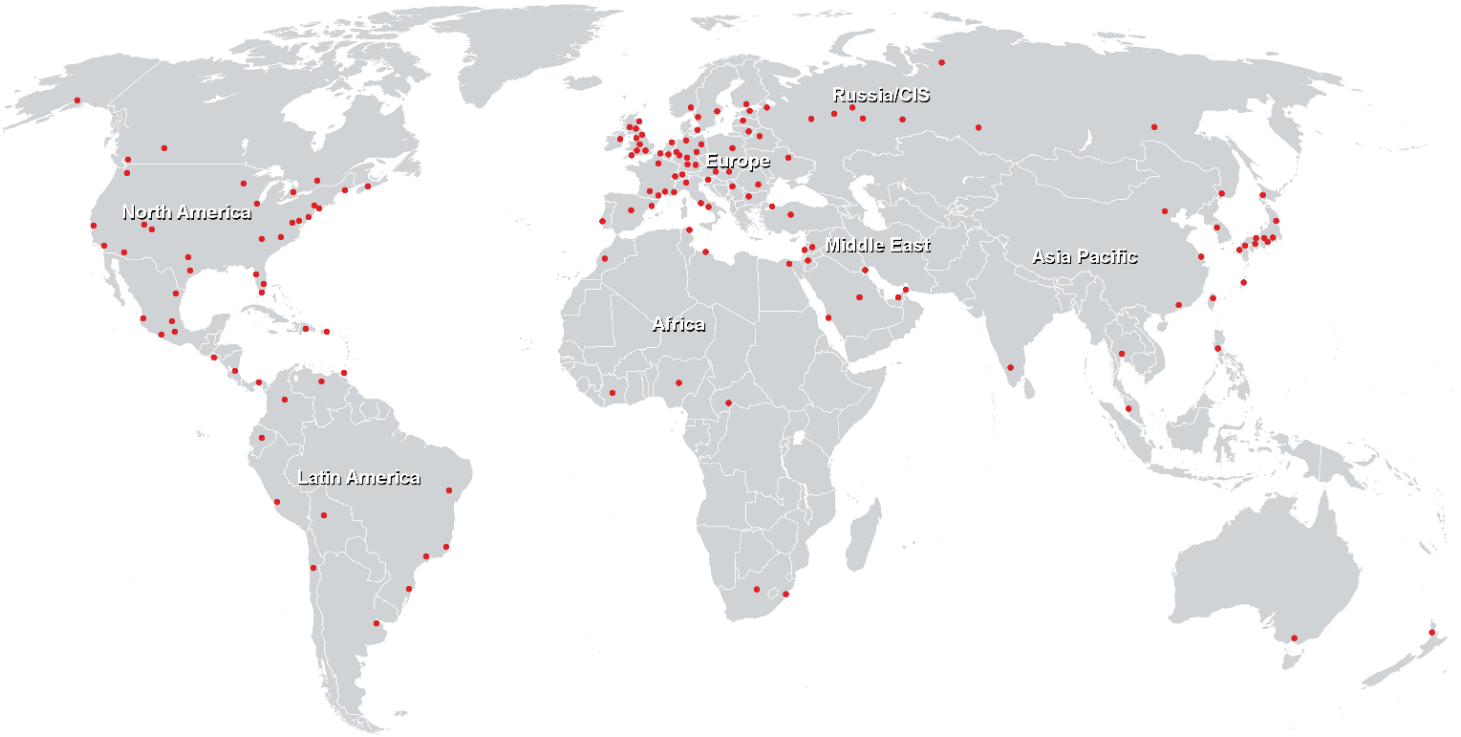
VCF Upgrade Considerations

- VCF Upgrade Overview
- VCF Upgrade Key Considerations

VCF Advanced Services

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

Training Centres worldwide



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