

Vmware Cloud Foundation: Solution Architecture and Design

Varighed: 5 Days Kursus Kode: VMCFSA9 Version: 9.0 Leveringsmetode: Company event (Firmakursus)

Beskrivelse:

This five day course explores the architecture and design considerations for an initial deployment of VMware Cloud Foundation (VCF). The course explains the architecture framework and language, as well as design considerations for building, operationalizing, and consuming a VMware Cloud Foundation deployment. The scope of the course is centered on the core design considerations applicable to a VMware Cloud Foundation deployment in a single site.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Målgruppe:

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

Agenda:

- **After completing this course you should be able to:**
- 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.

Forudsætninger:

Attendees should meet the following prerequisites:

- VMNSXICM - VMware NSX: Install, Configure, Manage
- VMVSANICM - VMware vSAN: Install, Configure, Manage
- VSICM - VMware vSphere: Install, Configure, Manage

Test og certificering

Recommended as preparation for the following exam:

- **2V0-13.25** - VMware Certified Professional - VMware Cloud Foundation Architect

Indhold:

1. Course Introduction	6. Storage and vSAN Essentials	11. Day 2 Operations with VCF
■ Introduction and course logistics	■ VCF Storage Overview	■ Day 2 Operations Overview
■ Course Objectives	■ Storage Design Considerations	■ VCF Operations Overview and Metric/Dashboard Design
2. Architecture Frameworks and Models	7. Management Domain	■ VCF Operations Key Metrics for Compute, Storage and Networks
■ Architecture Frameworks	■ Management Domain Design Overview	■ VCF Operations for Networks Overview and Design
■ Business Objectives	■ Management Domain Design Sizing Considerations	12. VCF Upgrade Considerations
■ Design Models	■ Management Domain Design Decisions	■ VCF Upgrade Overview
3. VMware Cloud Foundation Overview	■ Storage Requirements for Management Workloads	■ VCF Upgrade Key Considerations
■ VCF Design Blueprints and Use Cases	■ Networking Requirements for Management Workloads	13. VCF Advanced Services
■ Upgrade Overview	■ Platform-Based Protection Mechanisms	■ Introduction to Private AI
■ License Management Overview	8. Workload Domains	■ Introduction to VMware Live Recovery
4. VCF Fleet and Instance Design	■ Workload Domain Design Overview	■ Introduction to Advanced Security
■ Sites, Fleets and Instances	■ Cluster Design Overview	
■ Management and Workload Domains	■ Storage Requirement for Workload Domains	
■ Designing Conceptual and Logical Designs	■ Networking Requirements for Workload Domains	
■ VCF Operations Platform Design	■ Security Design Considerations	
5. Building the Physical Fabric and VCF Networking Design	9. VCF AMPRS Considerations Summary	
■ Networking Fabric Design	■ Designing for Availability	
■ VCF Networking Design	■ Designing for Manageability	
	■ Designing for Performance	
	■ Designing for Recoverability	
	■ Designing for Security	
	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	

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

training@globalknowledge.dk

www.globalknowledge.com/da-dk/

Global Knowledge, Stamholmen 110, 2650 Hvidovre