MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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VMWARE CLOUD FOUNDATION: BUILD, MANAGE, AND SECURE

"Accelerating Enterprise Cloud Transformation with Integrated, Secure, and Scalable VMware Cloud Solutions"

Schedule

Date	Venue	Fees (Face-to-Face)
19 – 23 Jul 2026	Riyadh – KSA	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

VMware Cloud Foundation (VCF) is a comprehensive hybrid cloud platform that integrates compute, storage, networking, and cloud management into a single automated solution. It enables organizations to modernize data centers, accelerate application deployment, and ensure consistent security and governance across private and public cloud environments.

This intensive 5-day training provides participants with hands-on knowledge and practical skills to build, manage, and secure VMware Cloud Foundation environments. The course focuses on architecture, deployment, lifecycle management, security integration, and operational best practices, enabling IT professionals to support scalable, resilient, and secure cloud infrastructures.

Objectives

By the end of this course, participants will be able to:

- Understand the architecture and components of VMware Cloud Foundation
- Deploy and configure VMware Cloud Foundation environments
- Manage lifecycle operations using SDDC Manager
- Integrate compute, storage, and networking using vSphere, vSAN, and NSX
- Implement security and compliance controls within VCF
- Monitor, maintain, and optimize cloud infrastructure performance
- Support hybrid and multi-cloud strategies using VMware technologies

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Why Attend

- Gain end-to-end knowledge of VMware Cloud Foundation architecture
- Learn best practices for cloud deployment and lifecycle management
- Improve data center efficiency through automation and standardization
- Enhance security and governance in cloud environments
- Prepare for enterprise-scale hybrid cloud operations
- Strengthen your professional profile in cloud and virtualization technologies

Target Audience

This program is designed for:

- IT infrastructure managers and system administrators
- Cloud architects and virtualization engineers
- Data center and operations professionals
- Network and security engineers
- DevOps and platform engineers
- IT consultants working with VMware solutions

Individual Benefits

Key competencies that will be developed include:

- Practical skills in deploying and managing VMware Cloud Foundation
- Enhanced understanding of hybrid cloud architectures
- Improved capability in virtualization, networking, and storage integration
- Knowledge of securing enterprise cloud environments
- Confidence in managing large-scale VMware infrastructures
- Career advancement opportunities in cloud technologies

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved operational efficiency and reduced infrastructure complexity
- Faster deployment and scalability of IT services
- Stronger security posture and compliance readiness
- Optimized resource utilization across data centers
- Consistent cloud operations across private and public platforms
- Enhanced business agility and service reliability

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Deep dive into VMware Cloud Foundation architecture, components, and hybrid cloud strategy
- Case Studies – Real-world enterprise cloud deployment scenarios
- Workshops – Hands-on configuration and management exercises
- Peer Exchange – Group discussions on cloud transformation challenges
- Tools – VMware utilities, dashboards, and management consoles

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Course Outline

Detailed 5-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules Coffee Breaks: 09:30 & 11:15 Lunch Buffet: 01:00 – 02:00

Day 1: VMware Cloud Foundation Overview and Architecture

Module 1: Introduction to VMware Cloud Foundation (07:30 – 09:30)

- Overview of VMware Cloud Foundation
- Business benefits and use cases
- Hybrid and multi-cloud strategy

Module 2: VCF Architecture and Components (09:45 – 11:15)

- vSphere, vSAN, NSX, and SDDC Manager
- Management and workload domains

Module 3: Planning and Design Considerations (11:30 – 01:00)

- Hardware and network prerequisites
- Deployment planning and sizing

Module 4: Initial Deployment Overview (02:00 – 03:30)

- VCF bring-up process
- Deployment workflows and validation

Day 2: Compute and Storage with vSphere and vSAN

Module 1: vSphere Integration in VCF (07:30 – 09:30)

- ESXi hosts and cluster design
- Resource management and optimization

Module 2: vSAN Architecture and Policies (09:45 – 11:15)

- Storage policies and fault tolerance
- Performance and availability

Module 3: Capacity Planning and Performance (11:30 – 01:00)

- Monitoring tools and best practices
- Scaling compute and storage

Module 4: Workshop – vSAN Configuration (02:00 – 03:30)

- Hands-on storage policy configuration

Day 3: Networking and Security with NSX

Module 1: NSX Overview and Architecture (07:30 – 09:30)

- Logical switching and routing
- Network virtualization concepts

Module 2: Security Services in NSX (09:45 – 11:15)

- Micro-segmentation
- Distributed firewall

Module 3: Load Balancing and Edge Services (11:30 – 01:00)

- NSX Edge components
- Traffic management

Module 4: Workshop – NSX Security Policies (02:00 – 03:30)

- Configuring firewall and segmentation rules

Day 4: Lifecycle Management and Operations

Module 1: SDDC Manager and Lifecycle Management (07:30 – 09:30)

- Patch, upgrade, and compliance workflows

Module 2: Monitoring and Troubleshooting (09:45 – 11:15)

- Logs, alerts, and diagnostics

Module 3: Automation and Integration (11:30 – 01:00)

- API-driven operations
- Integration with cloud services

Module 4: Operational Best Practices (02:00 – 03:30)

- High availability and disaster recovery

Day 5: Security, Governance, and Hybrid Cloud Integration

Module 1: Security and Compliance in VCF (07:30 – 09:30)

- Identity and access management
- Compliance frameworks

Module 2: Backup, Recovery, and Resilience (09:45 – 11:15)

- Disaster recovery strategies

Module 3: Hybrid Cloud and Multi-Cloud Integration (11:30 – 01:00)

- VMware Cloud on public platforms

Module 4: Course Review and Future Roadmap (02:00 – 03:30)

- Best practices recap
- Emerging VMware cloud technologies

Certification

Participants will receive a Certificate of Completion in VMware Cloud Foundation: Build, Manage, and Secure, validating their practical knowledge and professional competence in deploying, managing, and securing VMware Cloud Foundation environments.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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