MAWA EVENTS

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

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VMWARE VSPHERE: INSTALL, CONFIGURE, MANAGE

"Master VMware vSphere for Efficient Virtual Infrastructure Management"

Schedule

Date	Venue	Fees (Face-to-Face)
03 – 07 May 2026	Riyadh, KSA	USD 3495 per delegate

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

Introduction

As organizations increasingly rely on virtualization to optimize IT infrastructure, VMware vSphere has become a cornerstone technology for managing virtual environments efficiently. This comprehensive 5-day course provides IT professionals with the skills and knowledge to install, configure, and manage VMware vSphere environments, ensuring optimal performance, scalability, and reliability.

Through a blend of lectures, hands-on labs, and real-world case studies, participants will gain practical experience in deploying and managing virtual machines, configuring networking and storage, and maintaining a secure and high-performing virtual infrastructure. The course empowers IT professionals to maximize the benefits of VMware virtualization for their organizations.

Objectives

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

- Install and configure VMware vSphere components, including ESXi and vCenter Server.
- Manage virtual machines, templates, and clones efficiently.
- Configure networking, storage, and resource management for virtual environments.
- Implement vSphere security, monitoring, and backup strategies.
- Troubleshoot common vSphere issues and optimize performance.
- Apply best practices for vSphere deployment and management in enterprise environments.

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Why Attend

Participants should attend this course to:

- Acquire hands-on experience in VMware vSphere installation and management.
- Enhance their ability to optimize virtual infrastructure performance.
- Gain practical knowledge for enterprise-level virtualization deployment.
- Improve troubleshooting skills to maintain high availability and reliability.
- Prepare for VMware certification and career advancement opportunities.

Target Audience

This program is designed for:

- System administrators and IT engineers managing virtualized environments
- IT infrastructure and network professionals
- VMware vSphere operators and support staff
- IT managers responsible for virtualization strategy and implementation
- Professionals preparing for VMware certifications

Individual Benefits

Key competencies that will be developed include:

- Installation, configuration, and management of VMware vSphere environments
- Efficient management of virtual machines and templates
- Networking and storage configuration for virtual infrastructures
- Monitoring, troubleshooting, and optimizing vSphere performance
- Understanding of best practices for virtualization security and high availability

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Ability to deploy and manage a robust virtual infrastructure using VMware vSphere
- Optimized resource utilization and improved IT infrastructure efficiency
- Enhanced system reliability, scalability, and availability
- Stronger organizational capability in virtualization management
- Reduced downtime and improved operational continuity through effective virtualization

Instructional Methodology

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

- Strategy Briefings – Deep dive into VMware vSphere architecture and virtualization principles
- Case Studies – Real-world examples of vSphere deployment and performance optimization
- Workshops – Hands-on labs for installation, configuration, and management of vSphere environments
- Peer Exchange – Group discussions on common virtualization challenges and solutions
- Tools – Templates and scripts for VM management, networking, storage, and monitoring

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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: Introduction and Installation of vSphere Components

Module 1: Overview of VMware vSphere (07:30 – 09:30)

- Introduction to VMware virtualization and vSphere architecture
- Key components: ESXi hosts, vCenter Server, and management tools
- Virtualization benefits and deployment scenarios

Module 2: Installing ESXi and vCenter Server (09:45 – 11:15)

- Step-by-step installation of ESXi hosts
- Deploying and configuring vCenter Server
- Initial host and cluster configuration

Day 2: Virtual Machine Management and Resource Allocation

Module 3: Virtual Machines, Templates, and Clones (07:30 – 09:30)

- Creating, deploying, and managing virtual machines
- Using templates and clones for efficient deployment
- Configuring VM resources and performance settings

Module 4: Resource Management and Monitoring (09:45 – 11:15)

- CPU, memory, and storage allocation strategies
- Monitoring virtual environment performance
- Using vSphere tools for optimization

Day 3: Networking and Storage Configuration

Module 5: vSphere Networking (07:30 – 09:30)

- Configuring virtual switches, port groups, and VLANs
- Network traffic management and security

Module 6: vSphere Storage (09:45 – 11:15)

- Managing datastores, storage policies, and shared storage
- Storage provisioning and performance optimization

Day 4: Security, Backup, and Troubleshooting

Module 7: Security and Access Control (07:30 – 09:30)

- Implementing user roles, permissions, and authentication
- Securing virtual machines and hosts

Module 8: Backup, Recovery, and Troubleshooting (09:45 – 11:15)

- vSphere backup and recovery strategies
- Common troubleshooting scenarios and resolutions

Day 5: High Availability, Clustering, and Best Practices

Module 9: High Availability and Clustering (07:30 – 09:30)

- Configuring vSphere HA and DRS clusters
- Ensuring fault tolerance and load balancing

Module 10: Best Practices and Final Labs (09:45 – 11:15)

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Review of best practices for vSphere deployment and management

- Hands-on exercises integrating all learned concepts

Certification

Participants will receive a Certificate of Completion in VMware vSphere: Install, Configure, Manage, validating their expertise in deploying, managing, and optimizing VMware vSphere environments for enterprise IT infrastructure.

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.

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