

Advanced VMware Training Course

Dubai (UAE)

17 - 21 August 2025

UK Traininig

PARTNER



Advanced VMware Training Course

Code: IT28 From: 17 - 21 August 2025 City: Dubai (UAE) Fees: 4600 Pound

Introduction

Welcome to the Advanced VMware Training Course. This program is designed to provide you with an in-depth understanding of VMware's powerful virtualization technology. Over 5 days of training, you will explore advanced concepts, gain hands-on experience, and develop the skills necessary to manage VMware virtual infrastructures, optimize performance, and ensure a highly available, secure, and scalable environment.

Course Objectives

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

- Develop an advanced understanding of VMware virtualization technology.
- Gain proficiency in configuring and managing VMware virtual infrastructure.
- Learn how to optimize performance, resource allocation, and scalability in VMware environments.
- Acquire the skills necessary to design, deploy, and maintain VMware solutions effectively.
- Understand best practices for securing VMware environments and implementing disaster recovery strategies.

Course Outlines

Day 1: Introduction to Advanced VMware Virtualization

- Virtualization Concepts
 - Benefits and challenges of virtualization.
 - The role of VMware in modern IT infrastructures.
- Overview of VMware Products and Solutions
 - Introduction to VMware ESXi, vSphere, and vCenter.
 - Key components for managing virtualized environments.
- Installing and Configuring VMware ESXi
 - ESXi host installation and setup.
 - Networking and storage configuration for ESXi hosts.
 - Host profiles and system settings.
- Overview of VMware vCenter Server
 - Managing ESXi hosts and VMs via vCenter.
 - vCenter Server architecture and components.

Day 2: Advanced VMware Configuration and Resource Management

- Virtual Machine Creation and Management
 - Creating, cloning, and customizing virtual machines.



- VM hardware configuration and snapshots.
- Resource Allocation and Performance Optimization
 - Configuring CPU and memory resource pools.
 - Optimizing storage with VMFS, NFS, and iSCSI.
 - Performance tuning strategies.
- Virtual Network and Storage Configuration
 - Configuring vSphere Distributed Switch vDS.
 - vSAN and datastore configurations.
 - Network I/O control.

Day 3: VMware High Availability HA and Fault Tolerance FT

- Implementing VMware High Availability HA
 - Configuring HA for VM failover and fault tolerance.
 - Admission control and resource allocation policies in HA clusters.
 - HA troubleshooting and monitoring.
- VMware Fault Tolerance FT for Mission-Critical Applications
 - Understanding FT principles and configuring FT for critical VMs.
 - FT logging, failover procedures, and recovery strategies.
- Cluster Management and Distributed Resource Scheduler DRS
 - Setting up and configuring VMware clusters.
 - Implementing DRS for automated load balancing.
 - Managing cluster resources for optimal performance.

Day 4: VMware Security, Compliance, and Disaster Recovery

- Securing VMware Environments
 - Hardening ESXi hosts and securing vCenter Server.
 - Role-based access control RBAC and user management.
 - Network security best practices: firewalls, VLANs, and encryption.
- Compliance and Auditing in VMware
 - Implementing security and compliance policies.
 - Auditing VMware environments for compliance with industry standards.
 - Using vSphere logs for troubleshooting and security audits.
- Disaster Recovery Planning with VMware
 - Implementing VMware Site Recovery Manager SRM.
 - Backup and restore strategies for VMware environments.
 - Planning for business continuity and testing disaster recovery plans.

Day 5: Advanced VMware Administration, Monitoring, and Automation

- Advanced vCenter Server Administration
 - vCenter Server deployment and advanced configuration.
 - Managing multiple vCenter Servers and linked mode.
 - High availability for vCenter Server.
- VMware Monitoring and Troubleshooting
 - Using vRealize Operations for performance monitoring.
 - Log management and integration with third-party monitoring tools.
 - Troubleshooting common VMware issues storage, network, vMotion failures.
- Automation with VMware PowerCLI

- Introduction to VMware PowerCLI for automating tasks.
- Using PowerCLI for VM provisioning, configuration, and management.
- Automating common administrative tasks and reporting.
- Hands-On Lab and Final Review
 - Review of key concepts and advanced configurations.
 - Hands-on lab: Configuring VMware HA, FT, DRS, and performance optimization.
 - Q&A session and troubleshooting scenarios.



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Anney (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

Africa



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



Amman (Jordan)



Beirut (Lebanon)



Blackbird Training Cities

Asia



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



BLACKBIRD
FOR TRAINING



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

UK Training

PARTNER

