

Advanced Azure Cloud Course: Modern Introduction

Paris (France)

30 December 2024 - 3 January 2025

UK Traininig

PARTNER



Advanced Azure Cloud Course: Modern Introduction

Code: IT28 From: 30 December 2024 - 3 January 2025 City: Paris (France) Fees: 5100 Pound

Introduction

The Advanced Azure Cloud Course is designed to provide participants with an in-depth understanding of cutting-edge concepts, tools, and services within Microsoft Azure. This comprehensive program enables learners to acquire essential skills to leverage Azure cloud technologies efficiently across various scenarios, focusing on performance, security, and cost optimization.

Course Objectives

- Develop a solid understanding of cloud computing principles and the advantages of using Microsoft Azure.
- Explore advanced Azure services and solutions and learn how they address real-world challenges.
- Gain skills to design, deploy, and manage highly available, scalable, and secure applications on Azure.
- Master Azure security, compliance, and best practices for cost management.
- Learn to implement Azure DevOps, automation, and containerization for streamlined application development.
- Enhance abilities in monitoring, troubleshooting, and optimizing Azure resources for peak efficiency.
- Understand advanced networking concepts and establish secure connections between on-premises and Azure environments.
- Implement advanced security measures and compliance standards to safeguard data and applications.

Course Outlines

Day 1: Introduction to Azure Cloud

- Overview of cloud computing and core Azure fundamentals.
- Subscription models and cloud management.
- Azure Resource Groups and role-based access control RBAC.
- Azure Virtual Networks and connectivity options.
- Azure Storage and data management solutions.

Day 2: Advanced Azure Services

- App Service and serverless computing.
- Using Azure Functions and Logic Apps for event-driven architectures.
- Azure Kubernetes Service AKS for container management.
- Databases and data analytics on Azure.
- Machine learning and AI services within the Azure ecosystem.

Day 3: Infrastructure as Code and Automation



- Introduction to Infrastructure as Code IaC with Azure Resource Manager ARM.
- Azure DevOps for continuous integration and deployment.
- Automation with Azure Automation and PowerShell scripting.
- Azure Kubernetes Service AKS and container orchestration.

Day 4: Monitoring, Security, and Compliance

- Azure Monitor for logging, metrics, and alerts.
- Azure Security Center for threat protection and vulnerability management.
- Identity and Access Management IAM with Azure.
- Azure Policy and Compliance Center.
- Disaster Recovery and Backup Solutions.

Day 5: Advanced Networking and Hybrid Connectivity

- Virtual Network VNet peering and network gateways.
- Site-to-Site and Point-to-Site VPN connections.
- Azure ExpressRoute for secure and private connectivity.
- Load Balancer and Traffic Manager for high availability.
- Azure Front Door for global load balancing and web application firewall WAF.

Conclusion

By the end of this Advanced Azure Cloud Course, participants will have the skills to design, implement, and manage cloud applications aligned with industry best practices. With a focus on security, resource management, and cost efficiency, learners will also gain the knowledge to troubleshoot, monitor, and optimize Azure environments effectively. This course positions participants to attain advanced Azure certification and prepares them to handle complex, enterprise-level projects confidently.



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

