

Cloud Security for AWS, Azure, and Google Cloud

Barcelona (Spain)

2 - 6 August 2027

UK Training

PARTNER



Cloud Security for AWS, Azure, and Google Cloud

Code: IT32 From: 2 - 6 August 2027 City: Barcelona (Spain) Fees: 5900 Pound

Introduction

In today's rapidly evolving digital environment, cloud computing has become the foundation of modern enterprise infrastructure. As organizations increasingly rely on cloud platforms such as AWS, Microsoft Azure, and Google Cloud, the demand for robust cloud security frameworks has never been greater.

The Cloud Security for AWS, Azure, and Google Cloud course is designed to equip professionals with the knowledge and practical tools necessary to secure multi-cloud environments. It explores the shared responsibility model, data protection mechanisms, access control strategies, and threat mitigation techniques across leading cloud platforms.

This program empowers participants to design, implement, and manage comprehensive cloud security architectures that ensure compliance, resilience, and trust in a multi-cloud world.

Course Objectives

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

- Understand cloud security fundamentals and the shared responsibility model.
- Implement identity and access management IAM across AWS, Azure, and Google Cloud.
- Configure network security, firewalls, and virtual private clouds VPCs.
- Apply data encryption, key management, and secure storage techniques.
- Detect and respond to cloud-specific threats using built-in security tools.
- Conduct compliance assessments aligned with global standards ISO, GDPR, NIST.
- Design a unified security framework for multi-cloud environments.

Course Outlines

Day 1: Introduction to Cloud Security Fundamentals

- Overview of cloud computing models IaaS, PaaS, SaaS.
- Understanding cloud shared responsibility models.
- Key security principles in public, private, and hybrid clouds.
- Common vulnerabilities and cloud attack vectors.
- Introduction to native security tools in AWS, Azure, and Google Cloud.

Day 2: Identity and Access Management IAM

- Managing users, roles, and policies in AWS, Azure AD, and GCP IAM.
- Implementing multi-factor authentication MFA.
- Least privilege principle and role-based access control RBAC.
- Managing credentials and secrets securely.

- Hands-on configuration of IAM policies across different platforms.

Day 3: Network and Infrastructure Security

- Securing virtual networks and subnets.
- Configuring firewalls, security groups, and network access controls.
- Establishing secure connectivity between clouds and on-premises systems.
- Implementing traffic monitoring and intrusion detection.
- Case study: Multi-cloud network segmentation best practices.

Day 4: Data Protection and Threat Response

- Encryption techniques for data at rest and in transit.
- Key Management Services KMS across cloud providers.
- Configuring security logs and audit trails.
- Detecting and mitigating insider and external threats.
- Using AI and automation for cloud threat detection and incident response.

Day 5: Governance, Compliance, and Continuous Security

- Cloud compliance frameworks: ISO 27001, SOC 2, GDPR, NIST.
- Implementing cloud governance and policy enforcement.
- Automating security through DevSecOps and CI/CD pipelines.
- Developing a cloud security posture management CSPM strategy.
- Final assessment and review of best practices for secure cloud adoption.

Why Attend this Course: Wins & Losses!

- Gain practical, hands-on experience securing AWS, Azure, and Google Cloud.
- Learn to detect and respond to multi-cloud security incidents effectively.
- Understand compliance and data protection across different cloud models.
- Build resilience against cyber threats in cloud-native environments.
- Develop expertise in IAM, encryption, and network security configuration.
- Strengthen your organization's security governance and risk management.
- Master integration of automation and AI in cloud security operations.
- Receive practical insights and tools from real-world cloud security scenarios.

Conclusion

As organizations embrace multi-cloud strategies, ensuring consistent and effective cloud security has become a mission-critical priority. The complexity of managing multiple cloud platforms demands a unified, risk-based approach that combines technology, policy, and continuous monitoring.

The Cloud Security for AWS, Azure, and Google Cloud course provides professionals with the competencies to build and maintain secure cloud infrastructures. Participants will gain the technical depth and strategic perspective needed to design and execute security frameworks that align with business objectives while ensuring compliance and resilience.





This course is not just about technology—it's about empowering leaders to protect their organizations in an era where the cloud is both the backbone and the battleground of modern digital transformation.

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com



Blackbird Training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior
Kingdom of Saudi Arabia
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



المؤسسة العامة للتأمينات الاجتماعية
General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



هيئة تنظيم الكهرباء - عمان
Authority for
Electricity Regulation, Oman

UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Entertainment & Leisure
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

Artificial Intelligence (AI)
Sustainability, ESG & Corporate Responsibility
Advanced 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

