

Identity and Access Control: Securing Digital Resources

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Paris (France)

UK Traininig

PARTNER

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~~R20222418_198380~~ Location: Paris (France) Fees: 5900 GBP

Why This Course

Identity and Access Management is a core pillar of modern cybersecurity. As organizations manage growing numbers of users, devices, applications, cloud services, and third-party access points, they need reliable IAM practices to ensure that the right people have the right access at the right time, and only for the right reasons.

This intensive 5-day Identity and Access Management Training program provides participants with a practical understanding of IAM principles, architectures, authentication, authorization, identity lifecycle management, federation, cloud IAM, governance, compliance, and emerging technologies. Through applied exercises, real-world examples, and best-practice discussions, participants will learn how to design and manage IAM solutions that strengthen security, improve productivity, and support regulatory compliance.

What You'll Learn and Practice

By joining this program, you will:

- Understand core IAM concepts and their role in cybersecurity.
- Identify the main components of IAM architectures.
- Apply authentication methods, protocols, and multi-factor authentication.
- Use access control models such as RBAC and ABAC.
- Implement least privilege and separation of duties.
- Develop access control policies and enforcement mechanisms.
- Manage digital identities throughout the full user lifecycle.
- Apply user provisioning, deprovisioning, and identity governance practices.
- Understand directory services, identity repositories, and administration models.
- Explore Single Sign-On, federation protocols, and cloud-based IAM.
- Understand IDaaS and hybrid IAM architectures.
- Apply IAM governance, compliance, PAM, Zero Trust, and adaptive authentication concepts.

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A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. The board is checkered, and there are concentric circles in the background.

The Program Flow

Day 1: IAM Fundamentals and Authentication

- Understand the purpose and importance of Identity and Access Management.
- Explore IAM architecture, key components, and operational models.
- Review common authentication methods and protocols.
- Understand password-based, token-based, certificate-based, and biometric authentication.
- Apply multi-factor authentication concepts and implementation considerations.

Day 2: Access Control Models and Authorization

- Understand Role-Based Access Control and its practical applications.
- Explore Attribute-Based Access Control for dynamic authorization.
- Apply least privilege principles to reduce unnecessary access.
- Understand separation of duties and its role in risk reduction.
- Design access control policies and enforcement approaches.

Day 3: Identity Lifecycle Management

- Manage user provisioning and deprovisioning processes.
- Understand identity governance and administration practices.
- Apply self-service and delegated administration models.
- Explore identity repositories and directory services.
- Improve access review, approval, and recertification processes.

Day 4: Federation and Cloud IAM

- Understand Single Sign-On and federation concepts.
- Explore federation protocols and their role in secure access.
- Apply cloud identity management principles.
- Understand Identity-as-a-Service solutions and implementation considerations.
- Design hybrid IAM architectures for mixed on-premises and cloud environments.

Day 5: IAM Best Practices and Emerging Trends

- Apply IAM security, governance, and compliance best practices.
- Understand Privileged Access Management and its importance.
- Explore the Zero Trust security model and its relationship with IAM.
- Review biometrics, adaptive authentication, and risk-based access.
- Develop practical strategies for modern IAM improvement and long-term maturity.

The graphic features the text 'UK Training' in a small, grey font above the word 'PARTNER' in a large, bold, black font. This text is positioned over a background of concentric grey circles and a chessboard pattern. In the bottom right corner, there are three chess pieces: a gold king, a silver pawn, and a black pawn.

Individual Impact

- Build confidence in understanding and applying IAM principles.
- Strengthen practical knowledge of authentication, authorization, and access controls.
- Improve the ability to manage digital identities across their lifecycle.
- Gain awareness of cloud IAM, federation, PAM, and Zero Trust concepts.
- Develop stronger decision-making skills for IAM governance and compliance.

Work Impact

- Strengthen organizational security through better access control.
- Reduce risks linked to excessive access, weak authentication, and unmanaged identities.
- Improve user access efficiency through structured provisioning and administration.
- Support regulatory compliance through stronger IAM governance and audit readiness.
- Enable more secure cloud, hybrid, and modern digital workplace environments.

Training Methodology

This program combines IAM concepts with practical application through:

- Instructor-led explanations of IAM architecture and security principles.
- Authentication and access control scenario discussions.
- Practical exercises on RBAC, ABAC, least privilege, and access policies.
- Identity lifecycle and governance workflow activities.
- Cloud IAM, SSO, federation, and hybrid architecture case studies.
- Group discussions on PAM, Zero Trust, adaptive authentication, and emerging trends.

Beyond the Course

Upon completion, participants will be able to:

- Design and implement a comprehensive IAM strategy.
- Apply effective authentication and authorization controls.
- Manage user access across the full identity lifecycle.
- Support cloud and hybrid IAM environments using modern IAM concepts.
- Strengthen governance, compliance, and security through structured IAM practices.

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