

IT Systems: Identity and Access Management Fundamentals

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Cairo (Egypt)

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2022-15611-1827388 **Location:** Cairo (Egypt) **Fees:** 4900 GBP

Why This Course

As organizations accelerate digital transformation, Identity and Access Management IAM has become a cornerstone of cybersecurity and operational efficiency. With users, devices, applications, and cloud services expanding rapidly, controlling who has access to what—and under which conditions—is critical to reducing risk and maintaining compliance.

This intensive 5-day program equips IT professionals with a structured and practical understanding of IAM principles, architectures, and technologies. Participants will gain the expertise needed to design, implement, and operate robust IAM frameworks that strengthen security, simplify user access, and support both cloud and on-premises environments.

Blending strategy with hands-on practice, the course ensures attendees leave ready to apply IAM best practices in real-world enterprise settings.

What You'll Learn and Practice

By attending this program, you will:

- Understand core IAM concepts, governance models, and industry standards.
- Design scalable IAM architectures aligned with organizational needs.
- Implement modern authentication and authorization mechanisms.
- Manage identity lifecycles, access rights, and privileged accounts effectively.
- Integrate IAM solutions across enterprise, cloud, and hybrid environments.
- Apply practical tools and techniques through guided exercises and real-world scenarios.

The Program Flow

Day 1: IAM Fundamentals and Strategy

- Introduction to Identity and Access Management concepts
- IAM frameworks, standards, and governance structures
- Developing an enterprise IAM strategy
- Policy design, compliance alignment, and risk considerations

A graphic of a chessboard with several pawns and a king piece. The text 'UK Training' is above 'PARTNER' which is in large, bold, black letters.

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Day 2: Identity Management and Authentication

- User lifecycle management provisioning, modification, deprovisioning
- Authentication methods and security protocols
- Multi-Factor Authentication MFA design and deployment
- Single Sign-On SSO architecture and implementation

Day 3: Access Management and Authorization

- Role-Based Access Control RBAC models
- Attribute-Based Access Control ABAC frameworks
- Privileged Access Management PAM strategies
- Access certification, review processes, and segregation of duties

Day 4: IAM Technologies and Integration

- Directory services and identity federation
- Cloud-based IAM solutions and hybrid identity models
- API security frameworks and OAuth-based authorization
- Integrating IAM with enterprise and third-party applications

Day 5: IAM Operations and Best Practices

- Monitoring, logging, and IAM auditing practices
- Incident response and access-related investigations
- IAM metrics, KPIs, and performance reporting
- Emerging trends and the future of IAM Zero Trust, passwordless authentication

Individual Impact

- Ability to design and implement a comprehensive IAM strategy.
- Practical experience with modern IAM technologies and integration techniques.
- Stronger capability in securing identities and managing access efficiently.
- Enhanced confidence in aligning IAM practices with regulatory and security requirements.

Organizational Impact

- Reduced security risks through structured identity governance.
- Improved operational efficiency in user provisioning and access management.
- Stronger compliance posture across systems and platforms.
- Scalable IAM framework supporting digital transformation initiatives.

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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.

Training Methodology

- Instructor-led technical deep dives.
- Hands-on labs and guided configuration exercises.
- Real-world use cases and architecture design discussions.
- Interactive problem-solving sessions and best-practice workshops.

Beyond the Course

Participants will leave ready to:

- Strengthen identity governance and access control frameworks.
- Implement secure authentication and authorization solutions.
- Integrate IAM across cloud, hybrid, and enterprise environments.
- Support long-term security strategy through modern identity management practices.

A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a gold pawn behind it. In the background, there are concentric circles and the text 'UK Training PARTNER'.

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