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IT MANAGEMENT AND CYBER SECURITY | IMCS-036

Zero Trust Architecture: Strategy and Implementation

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Course content

Why Attend

Traditional network security assumed that anything inside the corporate perimeter could be trusted. Cloud services, remote work, connected suppliers and sophisticated attackers have made that assumption dangerous. Zero Trust replaces it with a simple principle: never grant access by default, verify every request explicitly and limit the damage of any single compromise.

This Zero Trust Architecture training course explains the strategy, design principles and building blocks needed to move an organisation from perimeter-based security to a Zero Trust model. Participants examine identity-centric access control, device health, micro-segmentation, secure access to applications and data, continuous monitoring and policy automation.

Course Methodology

• The course combines concise technical briefings with architecture workshops, guided maturity assessments, threat scenario walk-throughs and group design exercises. Participants work on a realistic hybrid enterprise case, progressively designing access policies, segmentation zones and a migration roadmap, and present their recommendations for peer and trainer feedback.

Course Objectives

• Explain the core principles of Zero Trust and why perimeter-based security is no longer sufficient

• Describe the main components of a Zero Trust architecture, including identity, devices, networks, applications and data

• Design identity-centric access policies using strong authentication, least privilege and conditional access

• Apply micro-segmentation and software-defined access to reduce lateral movement

• Integrate continuous monitoring, analytics and automation into access decisions

• Assess organisational maturity and identify priority Zero Trust use cases

Target Audience

• Information security managers and security architects

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Course content

- IT infrastructure, network and cloud managers
- Chief information security officers and their deputies
- Identity and access management specialists

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Course outline

Detailed course outline

Day-by-day outline for Zero Trust Architecture: Strategy and Implementation.

Day 1 - Zero Trust Principles and the Changing Threat Landscape

• 09:00-09:34 | Why the Perimeter Has Failed: Cloud adoption, remote work, supply chain access and modern attack paths

• 09:34-10:08 | Core Zero Trust Principles: Verify explicitly, use least privilege access and assume breach

• 10:08-10:42 | Reference Models: Overview of widely used public Zero Trust frameworks and maturity models

• 10:42-11:00 | Logical Components: Policy engine, policy administrator and policy enforcement points

• 11:00-11:30 | Coffee break

• 11:30-11:46 | Logical Components: Policy engine, policy administrator and policy enforcement points (continued)

• 11:46-12:20 | Trust Signals: Identity, device posture, location, behaviour and data sensitivity

• 12:20-12:53 | Common Misconceptions: Why Zero Trust is a strategy and architecture rather than a product

• 12:53-14:00 | Case Study: Tracing a lateral-movement breach and identifying where Zero Trust controls would have stopped it

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Day 2 - Identity as the New Control Plane

• 09:00-09:27 | Identity Foundations: Directories, identity governance and the joiner-mover-leaver lifecycle

• 09:27-09:54 | Strong Authentication: Phishing-resistant multi-factor authentication and passwordless approaches

• 09:54-10:48 | Conditional and Risk-Based Access: Building policies that adapt to context and risk signals

• 10:48-11:00 | Least Privilege in Practice: Role design, just-in-time access and privileged access management

• 11:00-11:30 | Coffee break

• 11:30-12:12 | Least Privilege in Practice: Role design, just-in-time access and privileged access management (continued)

• 12:12-12:39 | Machine and Workload Identities: Service accounts, APIs and secrets management

• 12:39-13:06 | Identity Threats: Credential theft, token abuse and session hijacking

• 13:06-14:00 | Workshop: Designing conditional access policies for employees, contractors and administrators

Day 3 - Devices, Networks and Micro-Segmentation

• 09:00-09:30 | Device Trust: Inventory, health attestation, endpoint protection and compliance checks

• 09:30-10:00 | Unmanaged and Personal Devices: Secure access options for contractors and bring-your-own-device users

• 10:00-10:30 | Micro-Segmentation Concepts: Reducing blast radius by isolating workloads and data flows

• 10:30-11:00 | Software-Defined Perimeter and Secure Access Service Edge: Replacing broad VPN access

• 11:00-11:30 | Coffee break

• 11:30-12:30 | Securing Operational and Legacy Systems: Practical approaches where agents cannot be installed

• 12:30-13:00 | Encryption Everywhere: Protecting traffic within the internal network

• 13:00-14:00 | Practical Exercise: Defining segmentation zones and allowed flows for a hybrid enterprise

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Day 4 - Applications, Data, Visibility and Automation

• 09:00-10:00 | Application Access: Per-application access, secure web gateways and API protection

• 10:00-10:30 | Data-Centric Security: Classification, labelling, rights management and data loss prevention

• 10:30-11:00 | Continuous Monitoring: Logging, telemetry and behaviour analytics as inputs to access decisions

• 11:00-11:30 | Coffee break

• 11:30-12:00 | Security Orchestration and Automation: Automated responses to changing risk signals

• 12:00-12:30 | Cloud and Multi-Cloud Considerations: Shared responsibility and consistent policy enforcement

• 12:30-13:00 | Measuring Effectiveness: Metrics and indicators for Zero Trust controls

• 13:00-14:00 | Workshop: Mapping data flows and designing data protection policies for sensitive information

Day 5 - Roadmap, Governance and Adoption

• 09:00-09:27 | Maturity Assessment: Evaluating current capabilities across identity, devices, networks, applications and data

• 09:27-10:21 | Prioritising Use Cases: Selecting early wins that reduce risk and build momentum

• 10:21-11:00 | Building the Business Case: Costs, risk reduction, operational benefits and funding options

• 11:00-11:30 | Coffee break

• 11:30-11:45 | Building the Business Case: Costs, risk reduction, operational benefits and funding options (continued)

• 11:45-12:12 | Phased Migration Planning: Coexistence with legacy architecture and avoiding disruption

• 12:12-12:39 | Governance and Operating Model: Ownership, policy management, supplier coordination and change control

• 12:39-13:06 | People and Culture: Communicating change, user experience and stakeholder support

• 13:06-14:00 | Capstone Exercise: Presenting a three-year Zero Trust roadmap for executive review

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Seminar dates

Available seminar dates

Live dates and pricing for Zero Trust Architecture: Strategy and Implementation generated from the course details page.

Date	Location	Format	Fee
14 - 18 December 2026	London	Classroom	**€2,915**
21 - 25 December 2026	Barcelona	Classroom	**€2,275**
7 - 11 December 2026	Frankfurt	Classroom	**€2,175**
18 - 22 January 2027	London	Classroom	**€2,915**
25 - 29 January 2027	Barcelona	Classroom	**€2,275**
4 - 8 January 2027	Frankfurt	Classroom	**€2,175**
11 - 15 January 2027	Dubai	Classroom	**€2,845**
22 - 26 February 2027	London	Classroom	**€2,915**
1 - 5 February 2027	Barcelona	Classroom	**€2,275**
8 - 12 February 2027	Frankfurt	Classroom	**€2,175**

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Seminar dates

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Date	Location	Format	Fee
15 - 19 February 2027	Geneva	Classroom	**€3,315**
1 - 5 March 2027	London	Classroom	**€2,915**
8 - 12 March 2027	Barcelona	Classroom	**€2,275**
15 - 19 March 2027	Frankfurt	Classroom	**€2,175**
22 - 26 March 2027	Istanbul	Classroom	**€2,825**
12 - 16 April 2027	London	Classroom	**€2,915**
19 - 23 April 2027	Barcelona	Classroom	**€2,275**
26 - 30 April 2027	Frankfurt	Classroom	**€2,175**
5 - 9 April 2027	Kuala lumpur	Classroom	**€2,425**
17 - 21 May 2027	London	Classroom	**€2,915**

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Seminar dates

Available seminar dates

Live dates and pricing for Zero Trust Architecture: Strategy and Implementation generated from the course details page.

Date	Location	Format	Fee
24 - 28 May 2027	Barcelona	Classroom	**€2,275**
3 - 7 May 2027	Frankfurt	Classroom	**€2,175**
10 - 14 May 2027	Madrid	Classroom	**€3,400**
14 - 18 June 2027	London	Classroom	**€2,915**
21 - 25 June 2027	Barcelona	Classroom	**€2,275**
7 - 11 June 2027	Frankfurt	Classroom	**€2,175**
5 - 9 July 2027	London	Classroom	**€2,915**
12 - 16 July 2027	Barcelona	Classroom	**€2,275**
19 - 23 July 2027	Frankfurt	Classroom	**€2,175**
26 - 30 July 2027	Paris	Classroom	**€2,810**

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Seminar dates

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Live dates and pricing for Zero Trust Architecture: Strategy and Implementation generated from the course details page.

Date	Location	Format	Fee
9 - 13 August 2027	London	Classroom	**€2,915**
16 - 20 August 2027	Barcelona	Classroom	**€2,275**
23 - 27 August 2027	Frankfurt	Classroom	**€2,175**
2 - 6 August 2027	Rome	Classroom	**€2,830**
13 - 17 September 2027	London	Classroom	**€2,915**
20 - 24 September 2027	Barcelona	Classroom	**€2,275**
6 - 10 September 2027	Frankfurt	Classroom	**€2,175**
25 - 29 October 2027	London	Classroom	**€2,915**
4 - 8 October 2027	Barcelona	Classroom	**€2,275**
11 - 15 October 2027	Frankfurt	Classroom	**€2,175**

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Seminar dates

Available seminar dates

Live dates and pricing for Zero Trust Architecture: Strategy and Implementation generated from the course details page.

Date	Location	Format	Fee
18 - 22 October 2027	Amsterdam	Classroom	**€3,215**
1 - 5 November 2027	London	Classroom	**€2,915**
8 - 12 November 2027	Barcelona	Classroom	**€2,275**
15 - 19 November 2027	Frankfurt	Classroom	**€2,175**
22 - 26 November 2027	Cape Town	Classroom	**€1,825**
13 - 17 December 2027	London	Classroom	**€2,915**
20 - 24 December 2027	Barcelona	Classroom	**€2,275**
27 - 31 December 2027	Frankfurt	Classroom	**€2,175**
6 - 10 December 2027	Dubai	Classroom	**€2,845**
14 - 18 December 2026	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
21 - 25 December 2026	Online / Live	Online / Live	**€1,625**
7 - 11 December 2026	Online / Live	Online / Live	**€1,625**
18 - 22 January 2027	Online / Live	Online / Live	**€1,625**
25 - 29 January 2027	Online / Live	Online / Live	**€1,625**
4 - 8 January 2027	Online / Live	Online / Live	**€1,625**
11 - 15 January 2027	Online / Live	Online / Live	**€1,625**
22 - 26 February 2027	Online / Live	Online / Live	**€1,625**
1 - 5 February 2027	Online / Live	Online / Live	**€1,625**
8 - 12 February 2027	Online / Live	Online / Live	**€1,625**
15 - 19 February 2027	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
1 - 5 March 2027	Online / Live	Online / Live	**€1,625**
8 - 12 March 2027	Online / Live	Online / Live	**€1,625**
15 - 19 March 2027	Online / Live	Online / Live	**€1,625**
22 - 26 March 2027	Online / Live	Online / Live	**€1,625**
12 - 16 April 2027	Online / Live	Online / Live	**€1,625**
19 - 23 April 2027	Online / Live	Online / Live	**€1,625**
26 - 30 April 2027	Online / Live	Online / Live	**€1,625**
5 - 9 April 2027	Online / Live	Online / Live	**€1,625**
17 - 21 May 2027	Online / Live	Online / Live	**€1,625**
24 - 28 May 2027	Online / Live	Online / Live	**€1,625**

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3 - 7 May 2027	Online / Live	Online / Live	**€1,625**
10 - 14 May 2027	Online / Live	Online / Live	**€1,625**
14 - 18 June 2027	Online / Live	Online / Live	**€1,625**
21 - 25 June 2027	Online / Live	Online / Live	**€1,625**
7 - 11 June 2027	Online / Live	Online / Live	**€1,625**
5 - 9 July 2027	Online / Live	Online / Live	**€1,625**
12 - 16 July 2027	Online / Live	Online / Live	**€1,625**
19 - 23 July 2027	Online / Live	Online / Live	**€1,625**
26 - 30 July 2027	Online / Live	Online / Live	**€1,625**
9 - 13 August 2027	Online / Live	Online / Live	**€1,625**

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Date	Location	Format	Fee
16 - 20 August 2027	Online / Live	Online / Live	**€1,625**
23 - 27 August 2027	Online / Live	Online / Live	**€1,625**
2 - 6 August 2027	Online / Live	Online / Live	**€1,625**
13 - 17 September 2027	Online / Live	Online / Live	**€1,625**
20 - 24 September 2027	Online / Live	Online / Live	**€1,625**
6 - 10 September 2027	Online / Live	Online / Live	**€1,625**
25 - 29 October 2027	Online / Live	Online / Live	**€1,625**
4 - 8 October 2027	Online / Live	Online / Live	**€1,625**
11 - 15 October 2027	Online / Live	Online / Live	**€1,625**
18 - 22 October 2027	Online / Live	Online / Live	**€1,625**

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1 - 5 November 2027	Online / Live	Online / Live	**€1,625**
8 - 12 November 2027	Online / Live	Online / Live	**€1,625**
15 - 19 November 2027	Online / Live	Online / Live	**€1,625**
22 - 26 November 2027	Online / Live	Online / Live	**€1,625**
13 - 17 December 2027	Online / Live	Online / Live	**€1,625**
20 - 24 December 2027	Online / Live	Online / Live	**€1,625**
27 - 31 December 2027	Online / Live	Online / Live	**€1,625**
6 - 10 December 2027	Online / Live	Online / Live	**€1,625**