

Risk



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IT MANAGEMENT AND CYBER SECURITY | IMCS-017

Ransomware Defence and Recovery

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Course content

Why Attend

Ransomware is one of the most damaging cyber threats facing organisations, capable of halting operations for weeks and exposing sensitive data. Defence requires prevention, detection, resilient backups and rehearsed response.

This Aractech course explains how ransomware attacks unfold, initial access vectors, hardening and prevention, detection of early indicators, backup and recovery architectures, response decision-making including extortion demands, communication and lessons learned. Participants take part in a ransomware response exercise.

Course Methodology

- Threat briefings
- Hardening workshops
- Backup design exercise
- Response simulation
- Case studies

Course Objectives

- Explain the ransomware attack life cycle
- Reduce initial access and lateral movement risks
- Detect early indicators of ransomware
- Design resilient backup and recovery
- Plan response and decision-making
- Recover operations and learn from incidents

Course content

Target Audience

- IT and security managers
- System administrators
- Business continuity professionals
- CISOs

Course outline

Detailed course outline

Day-by-day outline for Ransomware Defence and Recovery.

Day 1 - Understanding Ransomware

- 09:00-09:39 | Ransomware business model
- 09:39-10:18 | Attack life cycle
- 10:18-10:57 | Double extortion
- 10:57-11:00 | Notable incidents
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Notable incidents (continued)
- 12:05-12:43 | Threat actors
- 12:43-14:00 | Case study: Major ransomware attack

Day 2 - Prevention

- 09:00-09:39 | Initial access vectors
- 09:39-10:18 | Patching and hardening
- 10:18-10:57 | Identity protection
- 10:57-11:00 | Email and endpoint controls
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Email and endpoint controls (continued)
- 12:05-12:43 | Segmentation
- 12:43-14:00 | Workshop: Hardening plan

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Day 3 - Detection

- 09:00-09:39 | Indicators of compromise
- 09:39-10:18 | Monitoring
- 10:18-10:57 | Endpoint detection
- 10:57-11:00 | Threat hunting
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Threat hunting (continued)
- 12:05-12:43 | Early containment
- 12:43-14:00 | Exercise: Detection review

Day 4 - Backup and Recovery

- 09:00-09:39 | Backup strategies
- 09:39-10:18 | Immutable backups
- 10:18-10:57 | Recovery testing
- 10:57-11:00 | Recovery priorities
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Recovery priorities (continued)
- 12:05-12:43 | Business continuity
- 12:43-14:00 | Workshop: Backup architecture

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Day 5 - Response

- 09:00-09:39 | Response plan
- 09:39-10:18 | Decision-making on demands
- 10:18-10:57 | Legal and regulatory
- 10:57-11:00 | Communication
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Communication (continued)
- 12:05-12:43 | Lessons learned
- 12:43-14:00 | Capstone: Ransomware simulation

Seminar dates

Available seminar dates

Live dates and pricing for Ransomware Defence and Recovery generated from the course details page.

Date	Location	Format	Fee
16 - 20 November 2026	Kuala lumpur	Classroom	€1,925
7 - 11 December 2026	Barcelona	Classroom	€2,815
11 - 15 January 2027	Cape Town	Classroom	€1,625
8 - 12 February 2027	Frankfurt	Classroom	€1,875
8 - 12 March 2027	Barcelona	Classroom	€2,815
12 - 16 April 2027	London	Classroom	€2,315
10 - 14 May 2027	Rome	Classroom	€3,460
14 - 18 June 2027	Kuala lumpur	Classroom	€1,925
12 - 16 July 2027	Barcelona	Classroom	€2,815
9 - 13 August 2027	Paris	Classroom	€3,825

Seminar dates

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Date	Location	Format	Fee
13 - 17 September 2027	Frankfurt	Classroom	€1,875
11 - 15 October 2027	Barcelona	Classroom	€2,815
8 - 12 November 2027	London	Classroom	€2,315
13 - 17 December 2027	Rome	Classroom	€3,460
16 - 20 November 2026	Online / Live	Online / Live	€1,815
7 - 11 December 2026	Online / Live	Online / Live	€1,815
11 - 15 January 2027	Online / Live	Online / Live	€1,815
8 - 12 February 2027	Online / Live	Online / Live	€1,815
8 - 12 March 2027	Online / Live	Online / Live	€1,815
12 - 16 April 2027	Online / Live	Online / Live	€1,815

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10 - 14 May 2027	Online / Live	Online / Live	€1,815
14 - 18 June 2027	Online / Live	Online / Live	€1,815
12 - 16 July 2027	Online / Live	Online / Live	€1,815
9 - 13 August 2027	Online / Live	Online / Live	€1,815
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