Cyber Security and Technology

Master the Cyber : Security Expert Training

- Location: London
- Date: From 24/11/2025 To 28/11/2025
- Investment: $5950 (Excluding VAT)

LONDON ROYAL
A C A D E M Y

Course Introduction

This 5-day intensive course provides in-depth training on advanced cybersecurity concepts and techniques. Participants will gain a comprehensive understanding of the evolving threat landscape, develop critical thinking and problem-solving skills, and learn to implement robust security measures to protect organizations from cyberattacks. The program combines theoretical knowledge with hands-on exercises, simulations, and real-world case studies to equip participants with the skills and knowledge necessary to excel in the field of cybersecurity.

Training Method

• Pre-assessment
• Live group instruction
• Use of real-world examples, case studies and exercises
• Interactive participation and discussion
• Power point presentation, LCD and flip chart
• Group activities and tests
• Each participant receives a binder containing a copy of the presentation
• slides and handouts
• Post-assessment

Course Objectives

Upon successful completion of this course, participants will be able to:

- Understand the evolving threat landscape: Analyze current and emerging cyber threats, including malware, ransomware, phishing, and social engineering attacks.
- Implement and manage cybersecurity controls: Design, implement, and manage firewalls, intrusion detection systems (IDS), intrusion prevention systems (IPS), and other security controls.
- Conduct threat assessments and vulnerability scans: Identify and assess vulnerabilities in networks, systems, and applications.
- Perform incident response and threat hunting: Develop and implement incident response plans and conduct threat hunting activities to identify and mitigate cyber threats.
- Understand and apply cybersecurity frameworks: Gain knowledge of cybersecurity frameworks such as NIST Cybersecurity Framework, ISO 27001, and others.
- Develop critical thinking and problem-solving skills: Analyze complex security challenges, identify solutions, and make informed decisions.
- Enhance communication and collaboration skills: Effectively communicate security risks and recommendations to technical and non-technical audiences.

Who Should Attend?

This course is designed for cybersecurity professionals, IT professionals, and individuals aspiring to a career in cybersecurity. Ideal candidates include:

- Security Analysts
- Security Engineers
- Security Architects
- IT Managers
- System Administrators
- Network Administrators
- Penetration Testers
- Incident Responders
- Anyone interested in pursuing a career in cybersecurity

Course Outline

Day 1: Threat Intelligence and Vulnerability Management

Morning:
- Threat Intelligence Gathering and Analysis: Sources of threat intelligence, threat hunting techniques
- Vulnerability Scanning and Assessment: Tools and techniques for identifying vulnerabilities
- Exploit Development and Vulnerability Research: Understanding exploit techniques and vulnerability research methodologies

Afternoon:
- Incident Response Planning: Developing and testing incident response plans
- Computer Forensics: Data acquisition, analysis, and reporting

Day 2: Nuclear Waste Generation and Characteristics

- Morning:
  - Threat Intelligence Gathering and Analysis: Sources of threat intelligence, threat hunting techniques
  - Vulnerability Scanning and Assessment: Tools and techniques for identifying vulnerabilities
  - Exploit Development and Vulnerability Research: Understanding exploit techniques and vulnerability research methodologies
- Afternoon:
  - Incident Response Planning: Developing and testing incident response plans
  - Computer Forensics: Data acquisition, analysis, and reporting

Day 3: Advanced Network Security

- Morning:
  - Intrusion Detection and Prevention Systems (IDS/IPS): Concepts, deployment, and tuning
  - Network Traffic Analysis: Protocol analyzers, packet capture, and traffic flow analysis
  - Cloud Security: Security considerations for cloud computing environments
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Course Outline

- Afternoon:
  - Secure Coding Practices: Secure development lifecycle, code reviews, and vulnerability testing
  - Web Application Security: OWASP Top 10, SQL injection, cross-site scripting

Day 4: Emerging Threats and Technologies

- Morning:
  - Malware Analysis: Malware types, detection, and mitigation techniques
  - Ransomware: Tactics, techniques, and procedures, and ransomware response
  - Social Engineering Attacks: Phishing, spear phishing, and social media attacks
- Afternoon:
  - Artificial Intelligence and Machine Learning in Cybersecurity: Threat detection, anomaly detection, and automated response
  - Blockchain and Cryptocurrency Security: Security considerations for blockchain technologies and cryptocurrency transactions

Day 5: Ethical Hacking and Penetration Testing

- Morning:
  - Ethical Hacking Methodology: Reconnaissance, scanning, exploitation, and reporting
  - Penetration Testing Tools: Kali Linux, Metasploit, Nmap
  - Hands-on Exercises: Conducting simulated penetration tests
- Afternoon:
  - Legal and Ethical Considerations: Legal and ethical guidelines for penetration testing
  - Career Paths in Cybersecurity: Job roles, certifications, and professional development

Registration & Payment

Registration Form

- **Full Name (Mr / Ms / Dr / Eng)** ....
- **Position** ....
- **Telephone / Mobile** ....
- **Personal E-Mail** ....
- **Official E-Mail** ....
- **Company Name** ....
- **Address** ....
- **City / Country** ....

Payment Options

▭ Please invoice me
▭ Please invoice my company
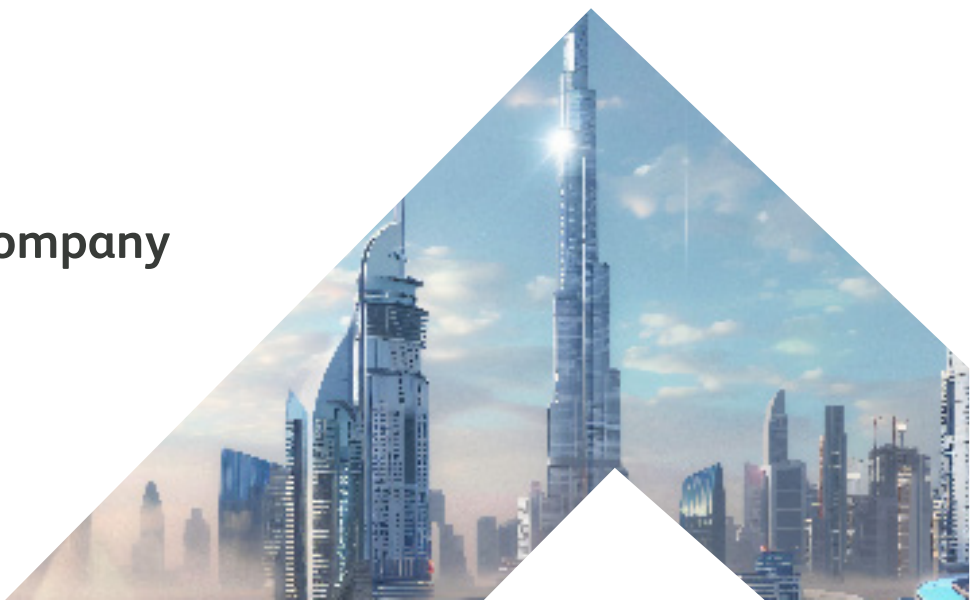
Terms & Conditions

Cancellation and Refund Policy

Delegates have 14 days from the date of booking to cancel and receive a full refund or transfer to another date free of charge. If less than 14 days' notice is given, then we will be unable to refund or cancel the booking unless on medical grounds. For more details about the Cancellation and Refund policy, please visit

www.londonra.com/terms-and-conditions/

Registration & Payment

Please complete the registration form on the course page & return it to us indicating your preferred mode of payment. For further information, please get in touch with us

Course Materials

The course material, prepared by the LRA, will be digital and delivered to candidates by email

Certificates

Accredited Certificate of Completion will be issued to those who attend & successfully complete the programme.

Travel and Transport

We are committed to picking up and dropping off the participants from the airport to the hotel and back.

VENUES

- 🏴 LONDON
- 🇪🇸 BARCELONA
- 🇲🇾 KUALA LUMPER
- 🇳🇱 AMSTERDAM

- 🇹🇷 ISTANBUL
- 🇸🇬 SINGAPORE
- 🇫🇷 PARIS
- 🇦🇪 DUBAI

OUR PARTNERS

THANK YOU

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