

A graphic featuring a blue circuit board background with a central padlock icon and a gear-like structure, symbolizing cybersecurity.

Cyber Security and Technology

## Real-World Cyber Security: Hands-On Training

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- Location: London
  - Date: From 24/2/2025 To 28/2/2025
  - Investment: \$5950 (Excluding VAT)



**LONDON ROYAL**  
ACADEMY


[WWW.LONDONRA.COM](http://WWW.LONDONRA.COM)



## Course Introduction

This 5-day intensive course provides a unique blend of theoretical knowledge and practical, hands-on experience in cybersecurity. Participants will delve into real-world scenarios, utilizing cutting-edge tools and techniques to develop the critical thinking and problem-solving skills necessary to defend against today's ever-evolving cyber threats.

## 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
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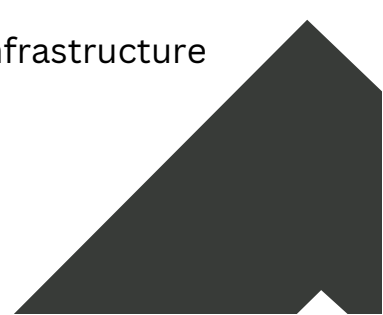
## Course Objectives

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

- Understand the evolving threat landscape and emerging cyber threats (e.g., ransomware, phishing, IoT vulnerabilities, AI-powered attacks).
- Apply advanced security controls, including intrusion detection systems (IDS), intrusion prevention systems (IPS), firewalls, and endpoint security solutions.
- Conduct threat intelligence analysis and develop effective threat hunting strategies.
- Respond effectively to cyber security incidents, including incident response planning, containment, eradication, and recovery.
- Develop and implement a robust security posture for their organization.
- Understand and apply cybersecurity best practices and compliance frameworks (e.g., NIST, ISO 27001, GDPR).
- Enhance their critical thinking and problem-solving skills in the context of cybersecurity.
- Gain hands-on experience with cybersecurity tools and technologies through practical exercises and simulations.

## Who Should Attend?

This course is designed for cybersecurity professionals, IT professionals, and anyone with a strong interest in cybersecurity, including:

- Cybersecurity Analysts and Engineers
  - IT Managers and Security Administrators
  - Network Engineers and System Administrators
  - Compliance Officers
  - Auditors
  - Anyone responsible for the security of their organization's IT infrastructure
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# Course Outline

## Day 1: Foundations of Cybersecurity & Threat Landscape

- Core Cybersecurity Concepts: Confidentiality, Integrity, Availability
- The Evolving Threat Landscape: Ransomware, Phishing, IoT Vulnerabilities, AI-powered Attacks
- Threat Intelligence Gathering and Analysis
- Hands-on Lab: Basic Network Scanning and Reconnaissance

## Day 2: Network Security & Defense

- Network Security Fundamentals: Firewalls, IDS/IPS, VPNs
- Packet Analysis and Network Traffic Monitoring
- Intrusion Detection and Prevention Systems (IDS/IPS) Configuration and Tuning
- Hands-on Lab: Configuring and Testing Firewalls, IDS/IPS

## Day 3: Endpoint Security & Incident Response


- Endpoint Security Solutions: Antivirus, EDR, Endpoint Detection and Response (EDR)
- Malware Analysis and Reverse Engineering (Basic)
- Incident Response Planning and Procedures
- Hands-on Lab: Malware Analysis, Incident Response Simulation

# Course Outline

## Day 4: Cloud Security & Threat Hunting

- Cloud Security Fundamentals: AWS, Azure, GCP
- Cloud Security Threats and Mitigation Strategies
- Threat Hunting Techniques and Tools
- Hands-on Lab: Cloud Security Assessment, Threat Hunting Exercise

## Day 5: Advanced Topics & Cybersecurity Career Paths

- Advanced Persistent Threats (APTs) and Advanced Evasion Techniques
  - Ethical Hacking and Penetration Testing Fundamentals
  - Cybersecurity Career Paths and Professional Certifications
  - Hands-on Lab: Capture-the-Flag (CTF) Challenge
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# Registration & Payment

Complete & Mail to London Royal Academy or email  
registration@londonra.com

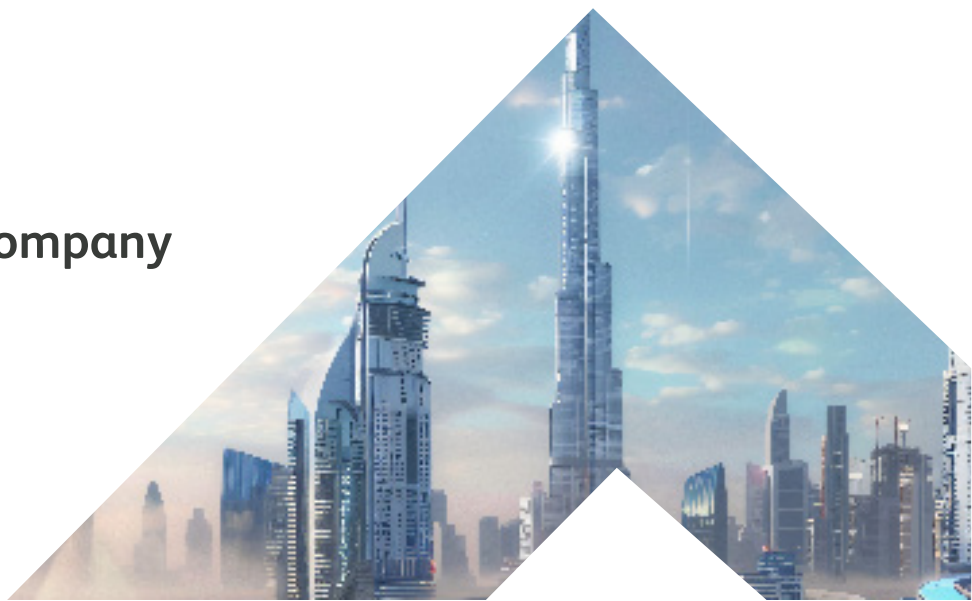


## Registration Form

- 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

Complete & Mail to London Royal Academy or email

[registration@londonra.com](mailto:registration@londonra.com)



## 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/](http://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

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 PARIS

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# OUR PARTNERS



# THANK YOU

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