Cyber Security and Technology

Cyber Defence: Shield Your Data

- Location: London
- Date: From 27/1/2025 To 31/1/2025
- Investment: $5950 (Excluding VAT)

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Course Introduction

Cyber Defence: Shield Your Data is a 5-day intensive course designed to equip participants with the knowledge and skills to protect their organization's digital assets from cyber threats. This course will cover a wide range of cybersecurity concepts, from foundational principles to advanced threat detection and response techniques.

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 completion of this course, participants will be able to:

- Understand the cybersecurity landscape: Identify and assess common cyber threats and vulnerabilities.
- Develop and implement a comprehensive cybersecurity strategy: Aligned with organizational goals and risk tolerance.
- Deploy and manage security controls: Including firewalls, intrusion detection systems, and endpoint security solutions.
- Conduct threat intelligence analysis: To identify and respond to emerging threats.
- Incident response planning and execution: Develop and test incident response plans to minimize the impact of cyberattacks.
- Communicate cybersecurity risks and mitigation strategies: Effectively to stakeholders at all levels.

Who Should Attend?

This course is suitable for:

- IT Professionals: IT managers, security engineers, system administrators, and cybersecurity analysts.
- Business Leaders: CEOs, CIOs, CTOs, and other executives.
- Compliance Officers: Responsible for ensuring regulatory compliance.
- Anyone with responsibility for IT security within an organization.

Course Outline

Day 1: Cybersecurity Fundamentals

Introduction to Cybersecurity:
- The cybersecurity landscape
- Common cyber threats (malware, phishing, hacking, ransomware)
- Risk assessment and management methodologies

Cybersecurity Frameworks:
- NIST Cybersecurity Framework
- ISO 27001
- Other relevant frameworks

Legal and Regulatory Compliance:
- Data privacy regulations (GDPR, CCPA)
- Industry-specific compliance requirements

Day 2: Network Security and Threat Detection

Network Security Fundamentals:
- Firewalls, intrusion detection/prevention systems (IDS/IPS)
- Virtual Private Networks (VPNs)
- Network segmentation and access control

Threat Hunting and Detection:
- Security information and event management (SIEM)
- Log analysis and threat intelligence
- Endpoint detection and response (EDR)

Day 3: Data Security and Cloud Security

Data Security:
- Data classification and protection
- Data encryption and key management
- Data loss prevention (DLP)

Cloud Security:

Cloud security models (IaaS, PaaS, SaaS)

Cloud security risks and best practices

Securing cloud workloads and data

Course Outline

Cloud Security:
- Cloud security models (IaaS, PaaS, SaaS)
- Cloud security risks and best practices
- Securing cloud workloads and data

Day 4: Incident Response and Disaster Recovery

Incident Response Planning and Execution:
- Incident response teams and procedures
- Incident handling and investigation
- Digital forensics techniques

Disaster Recovery Planning:
- Business continuity and disaster recovery (BCDR)
- Data backup and recovery strategies
- Testing and maintaining DR plans

Day 5: Emerging Threats and the Future of Cybersecurity

• Advanced Persistent Threats (APTs):

o Tactics, techniques, and procedures (TTPs) of APTs

o Detecting and responding to APTs

• The Internet of Things (IoT) Security:

o Securing IoT devices and networks

• Artificial Intelligence (AI) in Cybersecurity:

o AI-powered threat detection and response

o Ethical considerations in AI and cybersecurity

• The Future of Cybersecurity:

o Emerging threats and challenges

o Building a resilient cybersecurity posture

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

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OUR PARTNERS

THANK YOU

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