Information Security Management

Deep Dive to CyberSecurity Risk Management

Risk management is a concept that has been around as long as companies have had assets to protect. The simplest example may be insurance. Life, health, auto and other insurance are all designed to help a person protect against losses. Cybersecurity risk management takes the idea of real world risk management and applies it to the cyberworld. IT Departments rely on a combination of strategies, technologies and user education to protect an enterprise against cybersecurity attacks that can compromise systems, steal data and other valuable company information, and damage an enterprise's reputation. As the volume and severity of cyber attacks grow, the need for cybersecurity risk management grows with it. It involves identifying your risks and vulnerabilities and applying administrative actions and comprehensive solutions to make sure your organization is adequately protected.

You Must Know!

Duration:

40 Hours

Who Should Attend?

Information Security Officers, IT Security Professionals and Managers, Others with the passion and eagerness to discover and learn new topics.

Course Pre-Requisites

Basic understanding of networking and well-known protocols such as HTTP/HTTPS, DNS, SMTP, FTP, SSH.

Main Topics:

- Cybersecurity Risks and Threat actors
- The Risk Management Process
- The Eye of an Attacker
- Threat Intelligence
- The importance of secure coding
- Malware persistence methods

Course Modules

Module 1 - Cybersecurity Introduction (5 Hours)

- Introduction to Cybersecurity
- Basic Concepts
- Cybersecurity Areas
- Cybersecurity Risks and Threat actors
- Roles of an Information Security Manager

Module 2 - Risk Management (17 Hours)

- The Risk Management Process
- Using Cybersecurity Frameworks
- The Eye of an Attacker – Exposed Organizational Assets
- Threat Intelligence
- The importance of penetration tests and red teaming
- Attack kill-chain
- The importance of an incident response team
- Incident response kill-chain
- The importance of secure coding

Enterprise Security (18 Hours)

- Secure Architecture Planning
- Security Policies
- BYOD and DMZ
- Cloud Computing and Security
- BR/DR (Business Continuity / Disaster Recovery)
- Compliance
- NoC and SoC
- Malware persistence methods
- Execution and analysis of DLL files
- Lab exercise

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המרכז הבינלאומי
ללימודי הייטק וחדשנות

מתקדמים
לקריירה בהייטק

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קמפוסים בפריסה ארצית:

תל אביב
ראול ולנברג 36
קריית עתידים

רחובות
רחוב אופנהיימר 5
פארק המדע

ירושלים
רחוב יפו 34

באר שבע
רחוב האנרגיה 77
פארק ההייטק