Enterprise Security Fundamentals

Modality: On Demand

Duration: 16 Hours

About this Course:

This beginner-level 16-Hours Training Program is a perfect introductory course for candidates striving to learn about key cybersecurity concepts. The world of information technology continues to evolve at the rate of knots and cybersecurity is becoming more and more complex. Every professional who needs to pursue a successful career in the IT world must have sound knowledge and understanding of key cybersecurity concepts. This course focuses on the current cybersecurity landscape and helps candidates realize the true potential of acquiring proficiency in this line of work.

This course provides an in-depth overview of cybersecurity and sheds light on key security philosophies such as Assume Compromise Philosophy. This course majorly emphasizes the Red & Blue Cybersecurity Professionals and helps candidate identify their real roles and responsibilities. The goal of the Red Team is to penetrate security and laterally move across the system while the Blue Team must defend, respond, and protect.

Professionals will also be able to build familiarity with the key practices and policies required to protect a security infrastructure. Furthermore, they will also get to understand the role of the Purple Team developed from the amalgamation of the Red and Blue Teams.

Course Objectives:

The core objective of this course is to help professionals gain a better knowledge and understanding of the following key concepts:

- Enterprise Security System Current Position and Landscape
- Assume Compromise Approach Fundamentals and Essentials
- Threat Penetration, Escalation, Lateral Movement, and Exfiltration
- Threat Detection, Response, Investigation, and Mitigation Measures
- Red & Blue Team Exercises and Best Practices
- Developing the Mindset needed to Prepare, Process, and Respond to Security Concerns
- Creating and Maintaining Cybersecurity Policies

Audience:

This course is specifically tailored for the following group of professionals and interested candidates:

- IT Security Officers & Support Professionals
- Cybersecurity Professionals
- Candidates striving to learn about Enterprise Security Fundamentals

Prerequisites:

There are no prerequisites for the Enterprise Security Fundamentals Course and candidates only need to have familiarity with the core concepts of the cybersecurity system.

Course Outline:

Understanding the Cybersecurity Landscape

- Current Cybersecurity Landscape
- Assume Compromise Philsophy
- Cost of a breach
- Module Exam

Red Team Penetration, Laterla Movement,Escalation, and Exfiltration

- Red Team versus Blue Team Exercises
- The Attacker's Objective
- Red Team Kill Chain
- Document Vulnerabilities
- Module Exam

Blue Team Detection, Investigation, Response, and Mitigation

- Blue Team
- Blue Team Kill Chain
- Restrict Privilege Escalation
- Restrict Lateral Movement
- Attack Detection
- Module Exam

Beyond the Breach

- CIA Triad
- Organization Preparations
- Developing and Maintaining Policies
- Module Exam

Course Conclusion

- Final Exam