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Cyber Intelligence and Intrusion Detection Systems (IDS)

COURSE OVERVIEW

This basic security course provides a comprehensive understanding of how organizations can proactively defend against cyber threats using intelligence driven approaches and IDS technologies. It introduces participants to the fundamentals of cyber intelligence, including threat analysis, adversary profiling, and the role of threat intelligence in strengthening security operations. Participants will gain practical skills in using IDS tools to detect malicious activities, analyze threat patterns, and enhance organizational cyber resilience. By the end of the course, participants will also understand how to integrate cyber intelligence with proactive defence strategies to protect critical systems and data from cyberattacks.

WHO SHOULD ATTEND?

This course is designed for cybersecurity professionals, IT administrators, security analysts, incident responders, and other individuals pursuing a career in cybersecurity. It is also valuable for individuals working in network operations, system administration, or risk management who wish to enhance their understanding of intrusion detection and intelligence-driven defense strategies.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand cyber intelligence concepts and their application in modern security operations.
- Explain the different types of intrusion detection systems and how to configure and manage them effectively.
- Develop skills in analyzing network traffic, logs, and threat intelligence data to identify malicious activity.
- Learn techniques for detecting, preventing, and responding to cyber intrusions in real-world environments.
- Enhance decision-making through intelligence-driven security strategies and proactive threat mitigation.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:

- Cyber intelligence and its role in threat detection.
- Fundamentals of Intrusion Detection Systems (IDS) architecture and operation.
- Methods for identifying and analyzing cyber threats and suspicious activities.
- Techniques for network traffic monitoring and anomaly detection.
- Deployment and configuration of IDS in various network environments.
- Integration of IDS with other cybersecurity tools and incident response systems.
- Incident detection, alert management, and response coordination.
- Evaluating IDS effectiveness and tuning to reduce false positives.
- Legal, ethical, and privacy considerations in cyber intelligence and IDS implementation.
- Case studies on cyber intrusions and successful detection strategies.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.
1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded