CHAPTER OVERVIEW

6: Information Systems Security

Learning Objectives

Upon completion of this chapter, you will be able to:

- Identify the information security triad
- Explain the motivations of the threat actors
- Define the potential impact of network security attacks
- Describe the functions of a Security Operations Center (SOC)
- Explain security policies

We discuss the information security triad of confidentiality, integrity, and availability. We will review different types of threats and associated costs for individuals, organizations, and nations. We will discuss different security tools and technologies, how security operation centers can secure organizations' resources and assets, and a primer on personal information security.

6.1: Introduction
6.2: The Information Security Triad- Confidentiality, Integrity, Availability (CIA)
6.3: Tools for Information Security
6.4: Threat Impact
6.5: Security Operations Centers
6.6: Security vs. Availability
6.7: The Human Element
6.8: Legal and Compliance Requirements
6.9: Summary
6.10: Study Questions
