

CHAPTER OVERVIEW

5: Networking and Communication

Learning Objectives

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

- Understand how multiple networks are used in everyday life.
- Define how topologies and devices are connected in a small to medium-sized business network.
- Understand the basic characteristics of a network that supports communication in a small to medium-sized business.
- Describe trends in networking that will affect the use of networks in small to medium-sized businesses.

Today's computing and smart devices are expected to be always-connected devices to support the way we learn, communicate, do business, work, and play, in any place, on any devices, and at any time. In this chapter, we review the history of networking, how the Internet works, and the use of multiple networks in organizations today.

[5.1: Introduction](#)

[5.2: A Brief History of the Internet](#)

[5.3: Concepts - Networking and Communication](#)

[5.3.1: Introduction](#)

[5.3.2: Providing Resources in a Network](#)

[5.3.3: LANs, WANs, and the Internet](#)

[5.3.4: Network Representations](#)

[5.3.5: The Internet, Intranets, and Extranets](#)

[5.3.6: Internet Connections](#)

[5.3.7: The Network as a Platform Converged Networks](#)

[5.3.8: Reliable Network](#)

[5.4: Trends, the Changing Environment](#)

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