

# Part I

## Introduction to Networking

**Chapter 1:** Introduction to TCP/IP Networking

**Chapter 2:** Fundamentals of Ethernet LANs

**Chapter 3:** Fundamentals of WANs and IP Routing

### Part I Review

This first part of the book introduces the fundamentals of the most important topics in TCP/IP networking. [Chapter 1](#) provides a broad look at TCP/IP, introducing the common terms, big concepts, and major protocols for TCP/IP. [Chapter 2](#) then examines local-area networks (LANs), which are networks that connect devices that are located near to each other, for instance, in the same building. [Chapter 3](#) then shows how to connect those LANs across long distances with wide-area networks (WANs) with a focus on how routers connect LANs and WANs to forward data between any two devices in the network.