

# Part VII

## IP Version 6

**Chapter 25:** Fundamentals of IP Version 6

**Chapter 26:** IPv6 Addressing and Subnetting

**Chapter 27:** Implementing IPv6 Addressing on Routers

**Chapter 28:** Implementing IPv6 Addressing on Hosts

**Chapter 29:** Implementing IPv6 Routing

### Part VII Review

So far, this book has mostly ignored IP version 6 (IPv6). This part reverses the trend, collecting all the specific IPv6 topics into five chapters.

The chapters in [Part VII](#) walk you through the same topics discussed throughout this book for IPv4, often using IPv4 as a point of comparison. Certainly, many details differ when comparing IPv4 and IPv6. However, many core concepts about IP addressing, subnetting, routing, and routing protocols remain the same. The chapters in this part build on those foundational concepts, adding the specific details about how IPv6 forwards IPv6 packets from one host to another.