



# Cisco Networking All-in-One For Dummies

By Edward Tetz

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## Cisco Networking All-in-One For Dummies By Edward Tetz

### A helpful guide on all things Cisco

Do you wish that the complex topics of routers, switches, and networking could be presented in a simple, understandable presentation? With *Cisco Networking All-in-One For Dummies*, they are! This expansive reference is packed with all the information you need to learn to use Cisco routers and switches to develop and manage secure Cisco networks. This straightforward-by-fun guide offers expansive coverage of Cisco and breaks down intricate subjects such as networking, virtualization, and database technologies into easily digestible pieces.

- Drills down complex subjects concerning Cisco networking into easy-to-understand, straightforward coverage
- Shares best practices for utilizing Cisco switches and routers to implement, secure, and optimize Cisco networks
- Reviews Cisco networking solutions and products, securing Cisco networks, and optimizing Cisco networks
- Details how to design and implement Cisco networks

Whether you're new to Cisco networking products and services or an experienced professional looking to refresh your knowledge about Cisco, this *For Dummies* guide provides you with the coverage, solutions, and best practices you need.

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## **Editorial Review**

From the Back Cover

**Need to network with the best of 'em? Get started with Cisco and this book**

So you're going to manage a Cisco network, and you're a little overwhelmed by all that entails? Fear not, brave network admin! Here's a practical, hands-on guide to each major aspect of a Cisco network. Learn all about TCP/IP, how to work with switches and routers, advice on laying out a wireless network, how to keep your network secure, and more.

- All for one — learn the network management basics that apply to all types of networks
- Know the parts — get a complete overview of the products that make up a typical office network
- Translate alphabet soup — understand IPv4, IPv6, TCP, UDP, ARP, LANs, and VLANs
- Switch it on — examine the essentials of switches, make switch configurations, and establish fault tolerance
- The route to success — see what routers do; configure the router, serial connections, and WAN links; and choose a routing protocol
- Plan your WLAN — understand wireless benefits, different wireless technologies, and Cisco wireless solutions
- Lock it down — secure your network with Cisco's Adaptive Security Appliances or with ACLs and NAT
- Do it right — know the likely attacks and follow security best practices

### **Open the book and find:**

- A detailed look at network design
- Binary and hexadecimal essentials
- How to work with the Cisco IOS
- What you should know about network classes
- A guide to Cisco Discovery Protocol
- Technologies involved in creating a WAN
- Tips on wireless frequency management
- How to combat DDOS and sniffer attacks

### **6 books in 1**

- Overview
- Internet Protocols
- Switching
- Routing
- Wireless
- Security

About the Author

**Edward Tetz** has worked with computers as a sales associate, support tech, trainer, and consultant. He holds the Cisco CCNA and numerous other certifications, and has provided system and LAN support to both large and small organizations. Ed is coauthor of *CompTIA A+ Certification All-in-One For Dummies*.

## **Users Review**

### **From reader reviews:**

#### **Eric Fincher:**

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