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Nota di contenuto	Cover; Copyright; Credits; About the Author; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Getting Started with Packet Tracer; Protocols supported by Packet Tracer; Installing Packet Tracer; Windows; Linux; Interface overview; Creating a simple topology; Summary; Chapter 2: Network Devices; Cisco devices and Packet Tracer devices; Routers; Switches; Other devices; Customizing devices with modules; Naming convention; Create a custom device; Emulating WAN; Accessing the CLI; The CLI tab; Console Port; Configuring network devices; Global settings; Routing VLAN DatabaseInterface settings; Summary; Chapter 3: Generic IP End Devices; Desktops and laptops; Servers; HTTP; DHCP; TFTP; DNS; SYSLOG; AAA; NTP; EMAIL; FTP; Firewall / IPv6 Firewall; Other end devices; Configuring end devices; IP Configuration; Dial-up; Terminal; Command Prompt; Web Browser; PC Wireless; VPN; Traffic Generator; MIB Browser; Cisco IP Communicator; E Mail; PPPoE Dialer; Text Editor; Summary; Chapter 4: Creating a Network Topology; Connecting devices; Link status; Testing connectivity with PDUs; Simple PDU; Complex PDU; Using the simulation mode; Clustering a topology SummaryChapter 5: Navigating and Modifying the Physical Workspace; Creating cities, offices, and wiring closets; Moving devices physically; Managing cables and distances; Cable distances; Cable manipulation;

Customizing icons and backgrounds; Summary; Chapter 6: Configuring Routing with the CLI; Static routing; Static routing with GUI; Static routing with the CLI; Dynamic routing protocols; Configuring RIP with the GUI; Configuring RIP with the CLI; Routing Table; Load sharing; Load balancing with RIP; Load balancing with static routing; Summary; Chapter 7: Border Gateway Protocol (BGP) What is BGP? External BGP; Internal BGP; BGP versus dynamic routing protocols; Configuring BGP in Packet Tracer; Summary; Chapter 8: IPv6 on Packet Tracer; Assigning IPv6 addresses; Autoconfiguration; Static IPv6; IPv6 static and dynamic routing; Static routing; Dynamic routing; Using both IPv4 and IPv6; Summary; Chapter 9: Setting Up a Wireless Network; Wireless devices and modules; Wireless networks and physical workspaces; Configuring Linksys access point; Summary; Chapter 10: Configuring VLANs and Trunks; Creating VLANs and VTP domains; InterVLAN routing with routers and layer 3 switches InterVLAN on a router InterVLAN on a layer 3 switch; Switch-to-switch trunk links; Analyzing broadcasts in simulation mode; Summary; Chapter 11: Creating Packet Tracer Assessments; Welcome screen and instructions; Initial Network; Answer network; Testing the activity; Summary; Index

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### Sommario/riassunto

A practical, fast-paced guide that gives you all the information you need to successfully create networks and simulate them using Packet Tracer. Packet Tracer Network Simulator is aimed at students, instructors, and network administrators who wish to use this simulator to learn how to perform networking instead of investing in expensive, specialized hardware. This book assumes that you have a good amount of Cisco networking knowledge, and it will focus more on Packet Tracer rather than networking.

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