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Nota di contenuto	IP OVER WDM; CONTENTS; Contributors; Preface; ACKNOWLEDGMENTS; 1 IP-over-WDM Convergence; 1.1 Introduction; 1.2 Why IP and Why WDM?; 1.3 What Does WDM Offer?; 1.4 Capacity, Interface Speeds, and Protocols; 1.5 Why IP over WDM?; 1.6 Book Outline; 1.7 Concluding Remarks; 2 Protocol Design Concepts, TCP/IP, and the Network Layer; 2.1 Introduction; 2.1.1 Protocols and Layering; 2.1.2 Internet Protocol Design: The End-to-End Principle; 2.2 Transport Layer and TCP; 2.2.1 Service Models at the Transport Layer; 2.2.2 UDP and Connectionless Transport; 2.2.3 TCP and Connection-Oriented Transport 2.3 Network Layer2.3.1 Network Service Models; 2.3.2 Internet Protocol: Forwarding Paradigm; 2.3.3 Internet Protocol: Packet Format, Addressing, and Fragmentation/Reassembly; 2.3.4 Routing in the Internet; 2.4 Asynchronous Transfer Mode; 2.4.1 ATM Basics; 2.4.2 IP over ATM; 2.5 IP Switching; 2.5.1 Connectionless Services over ATM; 2.5.2 IP Switching Architecture; 2.6 QoS, Integrated Services, and Differentiated Services; 2.6.1 Integrated Services and RSVP; 2.6.2 Differentiated Services; 2.7 Multiprotocol Label Switching; 2.7.1 Labels;

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Sommario/riassunto

The key technology to delivering maximum bandwidth over networks is Dense Wave-length Division Multiplexing (DWDM)Describes in detail how DWDM works and how to implement a range of transmission protocolsCovers device considerations, the pros and cons of various network layer protocols, and quality of service (QoS) issuesThe authors are leading experts in this field and provide real-world implementation examplesFirst book to describe the interplay between the physical and IP (Internet Protocol) layers in optical networks
