

Unified IP Internetworking

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With 276 Figures and 61 Tables



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Dedicated to my family:

*Alak, Santosh, Dipu, Goutam, Mukta, Shukla,
Shathi, Mitu, Moon, Mimi, Trisha, Shakkar, Tanya, Dristy, Mithila and Dhiraj*

ideal companion when dealing with the challenges posed by unified IP inter-networking. In the first chapter, you will learn about the realm of IP and its addressing techniques, IPv4 and IPv6, along with associated counterparts. While the text of Chap. 1 provides a solid understanding of IP and its service capability, Chap. 2 enhances your routing know-how by providing an in-depth discussion and practical examples of various routing techniques. This chapter can be considered as an entire routing handbook. It will firmly enhance your understanding and hands-on acuity of routing techniques, MPLS (Multi-Protocol Label Switching) and routing protocols such as RIP (Routing Information Protocol), OSPF (Open Short Path First) and BGP (Border Gateway Protocol). The design and careful approach of Chaps. 1 and 2 will certainly broaden your confidence about deploying a unified IP network. Chapter 3 then builds on this confidence to cover QoS, queuing and policy mechanisms and thereby enhance your skill. Now you will be able to deploy PEN in your own unified IP network. Finally, in Chap. 4 we consider real-time traffic, how to reduce the expanse of your telephony system, and bring voice transport to your already deployed intranet, as well as how to analyze real-time traffic behavior and choose a QoS/policy schema that fits your needs.

This book is unique; you will find it not only extremely useful, but also the best networking guide and companion.

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