1. Record Nr. UNINA9910451017203321 Autore Stafford Matthew <1958-> Titolo Signaling and switching for packet telephony / / Matthew Stafford Pubbl/distr/stampa Boston:,: Artech House,, 2004 [Piscatagay, New Jersey]:,: IEEE Xplore,, [2004] **ISBN** 1-58053-737-5 Descrizione fisica 1 online resource (272 p.) Artech House telecommunications library Collana Disciplina 621.382/16 Soggetti Internet telephony Packet switching (Data transmission) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Signaling and Switching for Packet Telephony; Contents; Nota di contenuto Acknowledgments xiii; Introduction 1; PART I: Switching Architectures for Packet Telephony: An Expository Description 9: 2 Essentials of Next Generation Switching 11; 3 Motivation for Packet Telephony Revisited 21; 4 Signaling and Services 31; PART II: Components of Packet Telephony: Technical Descriptions 37; 5 Introduction to Part II 39; 6 Protocols 43; 7 A Closer Look at Internet Protocol 63; 8 A Closer Look at SS7 89; 9 The Bearer Plane 107; 10 Media Gateway Control and Other Softswitch Topics 119: 11 Session Control 145 12 More on SIP and SDP 15913 Implementing Services 179; 14 Properties of Circuit-Switched Networks 199: 15 Evolving Toward Carrier-Grade Packet Voice: Recent and Ongoing Developments 209; 16 Conclusion 225; APPENDIX A: Data Link Layer Protocols 227; About the Author 243: Index Sommario/riassunto This must-have reference on packet switching and signaling offers you an in-depth understanding of the core packet switching architectures. signaling flows, and packet formats, as well as service delivery. It describes in detail the design principles for packet telephone switches and emphasizes the benefits of a distributed architecture and separating bearer and control. Successful carrier-grade deployments of packet telephony entail much more than simply stuffing voice samples

into IP packets or ATM cells. They involve deploying multiple protocols, and this book gives you a solid understanding of all protocols used and a clear sense of where individual protocols fit in a packet-based system.