

1. Record Nr.	UNINA9910828245303321
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Titolo	IP telephony : deploying VoIP protocols and IMS infrastructure / / Olivier Hersent
Pubbl/distr/stampa	Hoboken, NJ, : John Wiley, 2010
ISBN	9786612777134 9781119957331 1119957338 9781282777132 1282777130 9780470973080 0470973080 9780470973264 0470973269
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (475 p.)
Disciplina	004.69/5
Soggetti	Internet telephony Convergence (Telecommunication)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Contents / / -- Abbreviations -- Glossary -- Preface -- 1 Voice over multimedia -- 1.1Transporting voice, fax and video over a packet network -- 1.2Encoding media streams -- 2 H.323: Packet-based Multimedia Communications Systems -- 2.1 Introduction -- 2.2 H.323 step by step -- 2.3 Optimizing and enhancing H.323 -- 2.4 Conferencing with H.323 -- 2.5 Directories and numbering -- 2.6 H.323 security -- 2.7 Supplementary services -- 2.8Future work on H.323 -- 3 Session Initiation Protocol -- 3.1. The origin and purpose of SIP -- 3.2. From RFC 2543 To RFC 3261 -- 3.3. Overview of a simple SIP call -- 3.4. Call handling services with SIP -- 3.5. SIP security -- 3.6. Instant messaging (IM) and presence -- 4 The 3GPP IP Multimedia Subsystem (IMS) architecture -- 4.1. Introduction -- 4.2. Overview of the IMS architecture -- 4.3. The IMS CSCFs -- 4.4. The full picture :

3GPP release 8, TISPAN -- 5 The Media Gateway to Media Controller Protocol (MGCP) -- 5.1 Introduction: why MGCP? -- 5.2 MGCP 1.0 -- 5.3 Sample MGCP call flows -- 5.4 The future of MGCP -- 6 Advanced Topics: Call Redirection -- 6.1 Call redirection in VoIP networks -- 7 Advanced Topics: NAT Traversal -- 7.1 Introduction to Network Address Translation -- 7.2 Workarounds for VoIP when the network cannot be controlled -- 7.3 Recommended network design for service providers -- 7.4 Conclusion -- Index / /

Sommario/riassunto

All you need to know about deploying VoIP protocols in one comprehensive and highly practical reference - Now updated with coverage on SIP and the IMS infrastructure This book provides a comprehensive and practical overview of the technology behind Internet Telephony (IP), providing essential information to Network Engineers, Designers, and Managers who need to understand the protocols. Furthermore, the author explores the issues involved in the migration of existing telephony infrastructure to an IP - based real time communication service. Assuming a working knowledge of IP and networking, it addresses the technical aspects of real-time applications over IP. Drawing on his extensive research and practical development experience in VoIP from its earliest stages, the author provides an accessible reference to all the relevant standards and cutting-edge techniques in a single resource. Key Features: *Updated with a chapter on SIP and the IMS infrastructure *Covers ALL the major VoIP protocols / SIP, H323 and MGCP *Includes a large section on practical deployment issues gleaned from the authors' own experience *Chapter on the rationale for IP telephony and description of the technical and business drivers for transitioning to all IP networks This book will be a valuable guide for professional network engineers, designers and managers, decision makers and project managers overseeing VoIP implementations, market analysts, and consultants. Advanced undergraduate and graduate students undertaking data/voice/multimedia communications courses will also find this book of interest. Olivier Hersent founded NetCentrex, a leading provider of VoIP infrastructure for service providers, then became CTO of Comverse after the acquisition of NetCentrex. He now manages Actility, provider of IMS based M2M and smartgrid infrastructure and applications.

2. Record Nr.	UNINA9911019333903321
Autore	Rehder Dieter
Titolo	Chemistry in space : from interstellar matter to the origin of life / / Dieter Rehder
Pubbl/distr/stampa	Weinheim, : Wiley-VCH, 2010
ISBN	9786612712425 9783527632381 3527632387 9781282712423 128271242X 9783527631605 3527631607 9783527631612 3527631615
Descrizione fisica	1 online resource (303 p.)
Disciplina	523.02
Soggetti	Cosmochemistry Interstellar molecules
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical referenes and index.
Nota di contenuto	Chemistry in Space: From Interstellar Matter to the Origin of Life; Contents; Preface; 1: Introduction and Technical Notes; 2: Origin and Development of the Universe; 3: The Evolution of Stars; 4: The Interstellar Medium; 5: The Solar System; 6: Exoplanets; 7: The Origin of Life; Index
Sommario/riassunto	The dynamic field of extraterrestrial chemistry brings together ideas of chemistr, astrophysics, and biology to the study of molecules between stars, around stars, and on plantes. This book serves as an introduction to chemial processes under ?unearthly? and hence usually extreme conditions (temperature, pressure, high or low density, bombardment by cosmic rays), and their impact on the early development of our solar system, as well as providing a deeper understanding of processes in earthly regions where conditions approach those of extraterrestrial

