Record Nr. UNINA9910141339103321 Autore Oki Eiji <1969-> Titolo Advanced Internet protocols, services, and applications [[electronic resource] /] / Eiji Oki ... [et al.] Hoboken, N. J., : John Wiley & Sons, Inc., c2012 Pubbl/distr/stampa **ISBN** 1-280-59135-8 9786613621184 1-118-18081-X 1-118-18082-8 1-118-18080-1 Edizione [1st edition] Descrizione fisica 1 online resource (262 p.) Classificazione COM043000 Altri autori (Persone) Rojas-CessaRoberto **TatipamulaMallikarjun** VogtChristian (Marketing executive) Disciplina 004.6 Soggetti Computer network protocols Computer networks Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Advanced Internet Protocols, Services, and Applications; CONTENTS; Preface; Acknowledgments; About the Authors; 1 Transmission Control Protocol/Internet Protocol Overview; 1.1 Fundamental Architecture; 1.2 Internet Protocol Basics; 1.2.1 Packet Header; 1.2.2 Internet Protocol Address; 1.2.3 Internet Protocol Classification; 1.2.4 Subnet and its Masking; 1.2.5 Subnet Calculation; 1.3 Routing; 1.3.1 Routing across Providers: 1.3.2 Routing within Edge Networks: 1.3.3 Routing Scalability; References; 2 Transport-Layer Protocols; 2.1 Transmission Control Protocol 2.1.1 Transmission Control Protocol Header Structure 2.1.2 Three-Way Handshake; 2.1.3 Transmission Control Protocol Flow Control and Congestion Control; 2.1.4 Port Number; 2.2 User Datagram Protocol; 2.2.1 User Datagram Protocol Header Structure; 2.3 Stream Control Transmission Protocol; 2.3.1 Stream Control Transmission Protocol

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Sommario/riassunto

Today, the internet and computer networking are essential parts of business, learning, and personal communications and entertainment. Virtually all messages or transactions sent over the internet are carried using internet infrastructure- based on advanced internet protocols. Advanced internet protocols ensure that both public and private networks operate with maximum performance, security, and flexibility. This book is intended to provide a comprehensive technical overview and survey of advanced internet protocols, first providing a solid introduction and going on to discuss internetworking

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