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Nota di contenuto	MOBILE VIDEO WITH MOBILE IPv6; CONTENTS; PREFACE; ABOUT THE AUTHOR; 1 THE MOBILE USER ENVIRONMENT: SMART PHONES, PORTABLE MEDIA PLAYERS (PMPs), AND TABLETS; 1.1 Introduction; 1.2 Basic MIPv6 Operation; 1.3 Entertainment Video Trends; 1.4 Scope of Investigation; Appendix 1.1A: Statistics; Appendix 1.1B: Bibliography; References; 2 IPv6 BASICS; 2.1 Overview and Motivations; 2.2 Address Capabilities; 2.2.1 IPv4 Addressing and Issues; 2.2.2 IPv6 Address Space; 2.3 IPv6 Protocol Overview; 2.4 IPv6 Tunneling; 2.5 IPsec in IPv6; 2.6 Header Compression Schemes; 2.7 Quality of Service In IPv6 2.8 Migration Strategies to IPv62.8.1 Technical Approaches; 2.8.2 Residential Broadband Services in an IPv6 Environment; 2.8.3 Deployment Opportunities; References; 3 MOBILE IPv6 MECHANISMS; 3.1 Overview; 3.2 Protocol Details; 3.2.1 Generic Mechanisms; 3.2.2 New IPv6 Protocol, Message Types, and Destination Option; 3.2.3 Modifications to IPv6 Neighbor Discovery; 3.2.4 Requirements for Various IPv6 Nodes; 3.2.5 Correspondent Node Operation; 3.2.6 Home Agent Node Operation; 3.2.7 Mobile Node Operation; 3.2.8 Relationship to IPV4 Mobile IPv4; References

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Sommario/riassunto

Increased reliance on mobile devices and streaming of video content are two of the most recent changes that have led those in the video distribution industry to be concerned about the shifting or erosion of traditional advertising revenues. Infrastructure providers also need to position themselves to take advantage of these trends. Mobile Video with Mobile IPv6 provides an overview of the current mobile landscape, then delves specifically into the capabilities and operational details of IPv6. The book also addresses 3G and 4G services, the application of Mobile IPv6 to streaming