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	Titolo	Configuring IPv6 For Cisco IOS [electronic resource] / Sam Brown ... [et al.]
	Pubbl/distr/stampa	Rockland, Mass. : Syngress Media London : International Thomson, c2002
	ISBN	9781928994848 1928994849
	Descrizione fisica	xvii, 362 p. : ill. ; 24 cm.
	Altri autori (Persone)	Brown, Sam.author
	Disciplina	004.62
	Soggetti	TCP/IP (Computer network protocol) Internet addresses Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Risorsa elettronica
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes index.
	Nota di contenuto	IPv6 Addressing Basics -- IPv6 Addressing Scheme Characteristics -- Address Organization -- Simplified Host Addressing -- Autoconfiguration of Addresses -- Multicast Routing -- Anycast -- Multihoming -- 6 Bone -- IPv6 Header -- IPv6 Address Delegation.
	Sommario/riassunto	"By building IPv6 into Cisco IOS software, we are enabling continued growth of the Internet and its expansion into new applications and capabilities in a way that maintains compatibility with existing Internet services." -- Stephen Deering, Cisco Fellow and lead designer of the protocol Internetworking Protocol (IP) addresses are the unique numeric identifiers required of every device connected to the Internet. Two years ago, in response to the exponential increase in demand for new IP addresses, the Internet Engineering Task Force finalized its revision on IP addressing, called IP Version 6 and key hardware vendors such as Cisco and major Internet Service Providers like AOL announced plans to migrate to IP Version 6. That is now happening. Cisco Systems began incorporating Internet Protocol version 6 (IPv6) in its Cisco IOS Software in June, 2001. Cisco is currently the only major networking vendor to deliver IPv6 across multiple platforms. This book provides complete coverage of IPv6 strategies, configuration scenarios, and techniques to

successfully deploy an IPv6 addressing and subnetting scheme on your network. It also covers: Increasing the IP address size from 32 bits to 128 bits Supporting more levels of addressing hierarchy Supporting an increased number of addressable nodes Supporting simpler auto-configuration of addresses Improving the scalability of multicast routing by adding a "scope" field to multicast addresses Use a new "anycast address" to send a packet to any one of a group of nodes.