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## Cisco Self-Study: Implementing Cisco IPv6 Networks (IPv6) (Paperback)

By Régis Desmeules

Pearson Education (US), United States, 2011. Paperback. Book Condition: New. 230 x 184 mm. Language: English . Brand New Book. Design, build, configure, and support networks based on Version 6 of the Internet Protocol Coverage includes: \*

Overview of history and motivations behind the new protocol, including the limitations of the IPv4 address space, Network Address Translation (NAT), fast growth of the Internet routing table, international issues, mobility, security, and many other topics \* Header format, addressing, Path MTU Discovery (PMTUD), IPv6 over link-layer technologies, Extended Unique Identifier-64-bit (EUI-64) format, Internet Control Message Protocol Version 6 (ICMPv6), autoconfiguration, neighbor discovery protocol, Duplicate Address Detection (DAD), and use of DNS with IPv6 \* Comparison with BGP4+, RIPng, IS-IS for IPv6, and OSPFv3 with Cisco IOS(r) Software routing references and examples \* Transitioning from and co-existing with IPv4 using Dual Stack, configured tunnel, generic routing encapsulation (GRE), 6to4, 6to4 Relay, Intra-Site Automatic Tunnel Addressing Protocol (ISATAP), and Network Address Translation-Protocol Translation (NAT-PT) configurations \* Enabling, configuring, and operating a Cisco router with IPv6 addresses, prefixes, IPv6 ACLs, IPv6-enabled routing protocols, CEFv6, and several coexistence mechanisms \* Host-router interaction with Microsoft Windows, Solaris, FreeBSD, Linux, and Tru64 UNIX Preview of Internet IPv6 and...



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