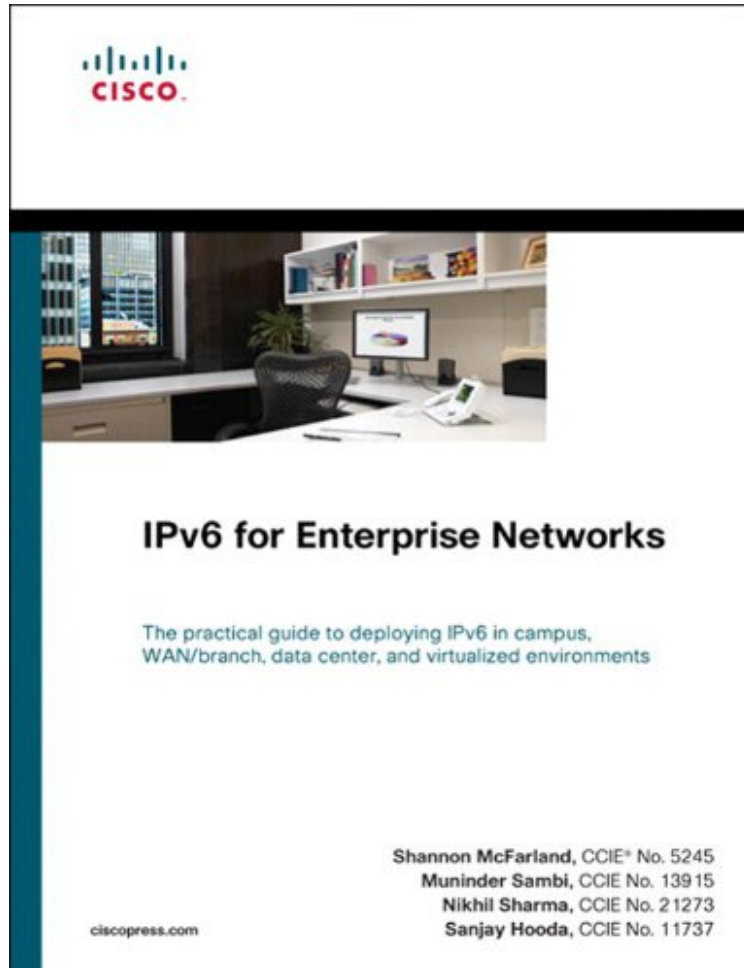


(Download pdf) IPv6 for Enterprise Networks (Networking Technology)

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Von Shannon McFarland, Muninder Sambi, Nikhil Sharma, Sanjay Hooda
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Von Shannon McFarland, Muninder Sambi, Nikhil Sharma, Sanjay Hooda : IPv6 for Enterprise Networks (Networking Technology) before purchasing it in order to gage whether or not it would be worth my time, and all praised IPv6 for Enterprise Networks (Networking Technology):

KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. Ein durchwachsender Start in die IPv6-Welt...Von Dietrich SchroffKapitel 1 (Market Drivers for IPv6 Adoption) darf getrost bersprungen werden. In Kapitel Zwei werden die Begriffe erklrt, die im restlichen Buch stndig wiederverwendet werden. Z.B. Enterprise Core, Enterprise Edge, etc. Kapitel 3 (Coexistence Mechanisms) erklrt die typischen Mechanismen: Native IPv6, Dual Stack, IPv6 over IPv4 tunnels und IPv6 over MPLS. Die Beschreibungen werden jeweils in diversen Varianten vorgenommen, so dass sich auch fr den fortgeschrittenen Leser einige neue Facetten ergeben. Mit der berschrift "Network Services steigt Kapitel 4 in die Themen Multicast, QoS und routing ein. Fr Multicast werden sehr ausfhrlich die verschiedenen Flags beschrieben. QoS ist leider nur ber 4 Seiten (inkl. Bilder)

beschrieben und zu kurz. Auch der Abschnitt über Routing ist sehr knapp und gibt keine tiefere Einsicht. Kapitel 5 darf wieder getrost bersprungen werden, da hier der Business Case gerechnet wird und Vorschläge zur Organisation gemacht werden, die offensichtlich sind ("Typically network administrators, system administrators, software developers and support technicians would be working with a project manager or a team of project managers." Ich dachte immer die Finanzabteilung führt IPv6 im Unternehmen ein ;-). Kapitel 6 ist das umfangreichste Kapitel im Buch (78 Seiten) und leider vollkommen unlesbar. "Deploying IPv6 in Campus Networks" beschreibt ungeordnet diverse Szenarien, wobei immer wieder Ingere Cisco Konfigurationen ohne genauere Erläuterungen eingeschoben sind. Der absolute Witz ist "Making Reconnaissance More Difficult Through Complex Address Assignment". Der Vorschlag: geworfene IPv6-Adressen für Router verwenden, damit diese nicht erraten werden können. Aber hat der Autor da nicht RFC 2461 bersehen??? Die Kapitel 7, 8, 9 und 10 sind leider im selben Stil wie Kapitel 6 gehalten. Nur geht es über Virtualized Networks, WAN/Branch Networks, Data Center und Remote Access VPN. Kapitel 11 (Managing IPv6 Networks) beschreibt sehr umfassend SNMP-Management (viele MIBs mit zugehörigen RFCs). Hier sind die Cisco Konfigurationen hilfreich, da z.B. Jitter Statistiken oder NetFlow Konfigurationen gut beschrieben werden. Die Konfigurationen sind sehr kompakt und daher besser verständlich als in den vorhergehenden Kapiteln. Allerdings auch hier wieder ohne weitere Erläuterungen. Kapitel 12 beschreibt den Aufbau eines Testlabors. Diese 15 Seiten hätte man sich sparen können, da diese nur mit Seiten-füllenden Screenshots über VMWare- bzw. Windows 2008-Konfigurationen enthalten. Insgesamt ein Buch mit vielen Schwächen jedoch auch mit Aspekten, die gut erläutert sind... Gerade die Kapitel 6-10 sind unlesbar aber sicher wertvoll, wenn die Abschnitte seitenweise durchgearbeitet werden. Dabei erschließt sich sicher auch ein roter Faden, der beim reinen Durchlesen nicht vorhanden ist.

Kurzbeschreibung IPv6 for Enterprise Networks The practical guide to deploying IPv6 in campus, WAN/branch, data center, and virtualized environments Shannon McFarland, CCIE No. 5245 Muninder Sambi, CCIE No. 13915 Nikhil Sharma, CCIE No. 21273 Sanjay Hooda, CCIE No. 11737 IPv6 for Enterprise Networks brings together all the information you need to successfully deploy IPv6 in any campus, WAN/branch, data center, or virtualized environment. Four leading Cisco IPv6 experts present a practical approach to organizing and executing your large-scale IPv6 implementation. They show how IPv6 affects existing network designs, describe common IPv4/IPv6 coexistence mechanisms, guide you in planning, and present validated configuration examples for building labs, pilots, and production networks. The authors first review some of the drivers behind the acceleration of IPv6 deployment in the enterprise. Next, they introduce powerful new IPv6 services for routing, QoS, multicast, and management, comparing them with familiar IPv4 features and behavior. Finally, they translate IPv6 concepts into usable configurations. Up-to-date and practical, IPv6 for Enterprise Networks is an indispensable resource for every network engineer, architect, manager, and consultant who must evaluate, plan, migrate to, or manage IPv6 networks. Shannon McFarland, CCIE No. 5245, is a Corporate Consulting Engineer for Cisco serving as a technical consultant for enterprise IPv6 deployment and data center design with a focus on application deployment and virtual desktop infrastructure. For more than 16 years, he has worked on large-scale enterprise campus, WAN/branch, and data center network design and optimization. For more than a decade, he has spoken at IPv6 events worldwide, including Cisco Live. Muninder Sambi, CCIE No. 13915, is a Product Line Manager for Cisco Catalyst 4500/4900 series platform, is a core member of the Cisco IPv6 development council, and a key participant in IETF's IPv6 areas of focus. Nikhil Sharma, CCIE No. 21273, is a Technical Marketing Engineer at Cisco Systems where he is responsible for defining new features for both hardware and software for the Catalyst 4500 product line. Sanjay Hooda, CCIE No. 11737, a Technical Leader at Cisco, works with embedded systems, and helps to define new product architectures. His current areas of focus include high availability and messaging in large-scale distributed switching systems. n Identify how IPv6 affects enterprises n Understand IPv6 services and the IPv6 features that make them possible n the most common transition mechanisms including dual-stack (IPv4/IPv6) networks, IPv6 over IPv4 tunnels, and IPv6 over MPLS n Create IPv6 network designs that reflect proven principles of modularity, hierarchy, and resiliency n Select the best implementation options for your organization n Build IPv6 lab environments n Configure IPv6 step-by-step in campus, WAN/branch, and data center networks n Integrate production-quality IPv6 services into IPv4 networks n Implement virtualized IPv6 networks n Deploy IPv6 for remote access n Manage IPv6 networks efficiently and cost-effectively This book is part of the Networking Technology Series from Cisco Press, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers. Kurzbeschreibung IPv6 for Enterprise Networks The practical guide to deploying IPv6 in campus, WAN/branch, data center, and virtualized environments Shannon McFarland, CCIE No. 5245 Muninder Sambi, CCIE No. 13915 Nikhil Sharma, CCIE No. 21273 Sanjay Hooda, CCIE No. 11737 IPv6 for Enterprise Networks brings together all the information you need to successfully deploy IPv6 in any campus, WAN/branch, data center, or virtualized environment. Four leading Cisco IPv6 experts present a practical approach to organizing and executing your large-scale IPv6 implementation. They show how IPv6 affects existing network designs, describe common

IPv4/IPv6 coexistence mechanisms, guide you in planning, and present validated configuration examples for building labs, pilots, and production networks. The authors first review some of the drivers behind the acceleration of IPv6 deployment in the enterprise. Next, they introduce powerful new IPv6 services for routing, QoS, multicast, and management, comparing them with familiar IPv4 features and behavior. Finally, they translate IPv6 concepts into usable configurations. Up-to-date and practical, IPv6 for Enterprise Networks is an indispensable resource for every network engineer, architect, manager, and consultant who must evaluate, plan, migrate to, or manage IPv6 networks.

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ber den Autor und weitere Mitwirkende Shannon McFarland, CCIE No. 5245, is a corporate consulting engineer for Cisco, working as a technical consultant for enterprise IPv6 deployment and data center design with a focus on application deployment and virtual desktop infrastructure. Over the last 16 years, he has worked on large-scale enterprise campus and WAN/branch network design, data center design and optimization for Microsoft operating systems and server applications, as well as design and optimization of virtual desktop infrastructure deployments. For the past 10 years, Shannon has been a frequent speaker at IPv6 events worldwide (notably Cisco Live [formerly Networkers]), IPv6 summits, and other industry events. He has authored many papers and Cisco Validated Designs (CVD) on IPv6, IP Multicast, Microsoft Exchange, VMware View, and other applications, as well as contributed to many Cisco Press books. Prior to his time at Cisco, Shannon worked as a consultant for a value-added reseller and also as a network engineer in the healthcare industry. Shannon lives with his wife and children in Castle Rock, CO.

Muninder Sambhi, CCIE No. 13915, is a manager of product marketing for the Cisco Catalyst 4500/4900 series platform. As a product line manager, he is responsible for defining product strategies on the multibillion-dollar Catalyst 4500 and 4900 series platforms, which include next-generation product architectures both for user access in Campus and Server access in the Data Center. Prior to this role, Muninder played a key role in defining the long-term Software and Services strategy for Cisco's modular switching platforms (Catalyst 6500 and 4500/4900 series) including a focus on IPv6 innovations. Some of these innovations enabled dual-stack IPv6 deployments in large enterprise and service provider networks. Muninder is also a core member of Cisco's IPv6 development council. Muninder has represented Cisco as part of multiple network design architecture reviews with large enterprise customers. Over the last 12+ years, Muninder has worked on multiple Enterprise Campus, WAN, and Data Center designs. Prior to working at Cisco, Muninder worked as a network consultant for one of India's leading network integrators and was responsible for designing and implementing LAN, WAN, and hosted Data Center networks. Muninder lives with his wife and children in Fremont, California.

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