An essential reference for deploying IPv6 in broadband networks

With the exponential growth of the Internet and increasing number of end users, service providers are increasingly looking for ways to expand their networks to meet the scalability requirements of the growing number of Internet-ready appliances or "always-on" devices. This book bridges a gap in the literature by providing coverage of Internet Protocol Version 6 (IPv6), specifically in broadband access networks. The authors, who are Cisco Certified Internetworking Experts (CCIE), provide comprehensive and first-rate coverage of:

- IPv6 drivers in broadband networks
- IPv6 deployment in Cable, DSL, ETTH, and Wireless networks
- Configuring and troubleshooting IPv6 gateway routers and host
- Configuring and troubleshooting IPv6 edge routers
• Configuring and troubleshooting IPv6 provisioning servers

The authors also discuss challenges faced by service providers and how IPv6 addresses these issues. Additionally, the book is complemented with examples throughout to further facilitate readers' comprehension and a real large-scale IPv6 BB SP case study is presented. Deploying IPv6 in Broadband Access Networks is essential reading for network operators, network design engineers and consultants, network architects, and members of the networking community.

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**ABOUT THE AUTHOR**

**Adeel Ahmed** is a Technical Leader in Cisco's Advanced Services Group. His areas of expertise include broadband cable, SP voice, and IPv6. He has worked with major cable MSOs in designing and troubleshooting cable networks and participates regularly in industry forums.

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