# Cisco Press - Building MPLS Based Broadband Access VPNs

 Deploy MPLS VPNs successfully in broadband networks with Building MPLS-Based Broadband Access VPNs. This book helps you understand why and how today's broadband networks function, covering the principal access technologies: DSL, Ethernet, and cable. The book also examines the different tunneling protocols used for VPN solutions today, namely GRE, IPSec, and L2TP, with examples of how these solutions are deployed and a discussion of their strengths and weaknesses.

Building MPLS-Based Broadband Access VPNs also includes an in-depth description of the IOS VRF Lite, which helps you use VRF-aware features with an IP core.

Detailed descriptions of the technologies, design principles, network configurations, and case studies are provided throughout the book, helping you develop a pragmatic understanding of MPLS-based broadband access VPNs.

- Obtain a realistic understanding of large-scale broadband access network design requirements
- Recognize the business impact of using MPLS to provide access VPN services, including the advantages of QoS, availability, and provisioning
- Use MPLS in access VPN and transport networks and deal with the unique scalability problems that such networks pose
- Leverage VRF-aware features to deploy IP-based VPNs
- Includes detailed Cisco IOS configuration examples based on real-world scenarios

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.

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