CiscoPress - Network Security Architectures

Expert guidance on designing secure networks

- Understand security best practices and how to take advantage of the networking gear you already have
- Review designs for campus, edge, and teleworker networks of varying sizes
- Learn design considerations for device hardening, Layer 2 and Layer 3 security issues, denial of service, IPsec VPNs, and network identity
- Understand security design considerations for common applications such as DNS, mail, and web
- Identify the key security roles and placement issues for network security elements such as firewalls, intrusion detection systems, VPN gateways, content filtering, as well as for traditional network infrastructure devices such as routers and switches
- Learn 10 critical steps to designing a security system for your network
- Examine secure network management designs that allow your management communications to be secure while still maintaining maximum utility
- Try your hand at security design with three included case studies
- Benefit from the experience of the principal architect of the original Cisco Systems SAFE Security Blueprint

Written by the principal architect of the original Cisco Systems SAFE Security Blueprint, Network Security Architectures is your comprehensive how-to guide to designing and implementing a secure network. Whether your background is security or networking, you can use this book to learn how to bridge the gap between a highly available, efficient network and one that strives to maximize security. The included secure network design techniques focus on making network and security technologies work together as a unified system rather than as isolated systems deployed in an ad-hoc way.

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