

# The Complete Cisco Vpn Configuration Guide

## **The Complete Cisco VPN Configuration Guide**

*Cisco VPN Configuration Guide*

*Juniper(r) Networks Secure Access SSL VPN Configuration Guide*

## **CCNP Security VPN 642-647 Official Cert Guide**

CCSP Cisco Secure VPN Exam Certification Guide

Guide to Cisco Routers Configuration

*Nokia Firewall, VPN, and IPSO Configuration Guide*

## **MPLS Configuration on Cisco IOS Software**

### **Firewall Policies and VPN Configurations**

*CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide*

CCSP: Secure PIX and Secure VPN Study Guide

IKEv2 IPsec Virtual Private Networks

*MPLS Configuration on Cisco IOS Software*

*Comparing, Designing, and Deploying VPNs*

Cisco Secure Virtual Private Networks

## **CCNP Security VPN 642-648 Official Cert Guide**

Cisco ASA

*Cisco ASA Configuration*

Cisco ASA Firewall Fundamentals - 3rd Edition

## **CCNA Security 210-260 Official Cert Guide**

*Cisco LAN Switching Configuration Handbook*

### **IPSec VPN Design**

*IPSec VPN Design*

### **Cisco Field Manual**

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*Cisco Router Configuration Handbook*

### **Cisco Routers for the Small Business**

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*MPLS and VPN Architectures*

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What is the The Complete Cisco Vpn Configuration Guide?

What is a The Complete Cisco Vpn Configuration Guide?

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What is The Complete Cisco Vpn Configuration Guide?

2010-06-30 David Hucaby Fast answers and reliable solutions for all widely-used Cisco router features - all in one time-saving guide Organized for maximum efficiency: describes actual commands and options in the sequence they should be used Helps network pros eliminate time-consuming documentation searches Extensive updates: IPv6, MPLS, AutoQoS, SIP, MGCP, voice troubleshooting, VPNs, security, and more "At-a-glance" illustrations offer fast answers and easy double-checking Locating reliable Cisco router configuration command information can require extensive, time-consuming research. Cisco Router Configuration Handbook, 2/e, is the solution: a day-to-day reference to the most widely used Cisco router features and configurations. Straight from Cisco experts, it covers every facet of router configuration, including fundamentals, network protocols, packet processing, voice/telephony, security, and more. This book is organized for maximum efficiency. Related features are covered together, and features and options are covered in the sequence in which they are typically used. Shaded tabs mark each section for quick reference. Information on each feature, technology, or protocol is presented in a concise one- or two-page format, with sections presenting quick facts, configuration information, and step-by-step examples, including both required and optional commands. Simply put, this book brings together all the Cisco routing configuration information most network professionals will ever need - and organizes it more efficiently than any other resource.

2009-06-16 Stephen McQuerry Cisco LAN Switching Configuration Handbook Second Edition A concise reference for implementing the most frequently used features of the Cisco Catalyst family of switches Steve McQuerry, CCIE® No. 6108 David Jansen, CCIE No. 5952 David Hucaby, CCIE No. 4594 Cisco LAN Switching Configuration Handbook, Second Edition, is a quick and portable reference guide to the most commonly used features that can be configured on Cisco® Catalyst® switches. Written to be used across all Catalyst IOS platforms, the book covers general use of Cisco IOS®, followed by a series of chapters that provide design and configuration guidelines. Each chapter starts with common design overviews and then describes the configuration of management features. Coverage includes Layer 2, Layer 3, multicast, high availability, and traffic management configurations. This book is organized by groups of common features, with sections marked by shaded tabs for quick reference. Information on each feature is presented in a concise format, with background, configuration, and example components. The format is organized for easy accessibility to commands and their proper usage, saving you hours of research time. From the first page, the authors zero in on quick facts, configuration steps, and explanations of configuration options in each Cisco Catalyst switch feature. The quick reference format allows you to easily locate just the information you need without having to search through thousands of pages of documentation, helping you get your switches up and running quickly

and smoothly. Whether you are looking for a handy, portable reference to more easily configure Cisco Catalyst switches in the field, or you are preparing for CCNA®, CCNP®, or CCIE® certification, you will find Cisco LAN Switching Configuration Handbook, Second Edition, to be an essential resource. Steve McQuerry, CCIE No. 6108, is a technical solutions architect with Cisco focused on data center solutions. Steve works with enterprise customers in the midwestern United States to help them plan their data center architectures. David Jansen, CCIE No. 5952, is a technical solutions architect (TSA) with Cisco focused on Data Center Architectures at Cisco. David has more than 20 years of experience in the IT industry. David Hucaby, CCIE No. 4594, is a lead network engineer for the University of Kentucky, where he works with healthcare networks based on the Cisco Catalyst, ASA/PIX/FWSM security, and VPN product lines. Implement switched campus network designs Configure switch prompts, IP addresses, passwords, switch modules, file management, and administrative protocols Understand how Layer 3 interfaces are used in a switch Configure Ethernet, Fast Ethernet, Gigabit Ethernet, and EtherChannel interfaces Implement VLANs, trunking, and VTP Operate, configure, and tune Spanning Tree Protocol (STP) Handle multicast traffic and interact with multicast routers Streamline access to server and firewall farms with accelerated server load balancing Deploy broadcast suppression, user authentication, port security, and VLAN access lists Configure switch management features Implement QoS and high availability features Transport voice traffic with specialized voice gateway modules, inline power, and QoS features 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.

2009-02-07 Andrew Hay "While Nokia is perhaps most recognized for its leadership in the mobile phone market, they have successfully demonstrated their knowledge of the Internet security appliance market and its customers requirements." --Chris Christiansen, Vice President, Internet Infrastructure and Security Software, IDC. Syngress has a long history of publishing market-leading books for system administrators and security professionals on commercial security products, particularly Firewall and Virtual Private Network (VPN) appliances from Cisco, Check Point, Juniper, SonicWall, and Nokia (see related titles for sales histories). The Nokia Firewall, VPN, and IPSO Configuration Guide will be the only book on the market covering the all-new Nokia Firewall/VPN Appliance suite. Nokia Firewall/VPN appliances are designed to protect and extend the network perimeter. According to IDC research, Nokia Firewall/VPN Appliances hold the #3 worldwide market-share position in this space behind Cisco and Juniper/NetScreen. IDC estimated the total Firewall/VPN market at \$6 billion in 2007, and Nokia owns 6.6% of this market. Nokia's primary customers for security appliances are Mid-size to Large enterprises who need site-to-site connectivity and Mid-size to Large

enterprises who need remote access connectivity through enterprise-deployed mobile devices. Nokia appliances for this market are priced from \$1,000 for the simplest devices (Nokia IP60) up to \$60,000 for large enterprise- and service-provider class devices (like the Nokia IP2450 released in Q4 2007). While the feature set of such a broad product range obviously varies greatly, all of the appliances run on the same operating system: Nokia IPSO (IPSO refers to Ipsilon Networks, a company specializing in IP switching acquired by Nokia in 1997. The definition of the acronym has little to no meaning for customers.) As a result of this common operating system across the product line, The Nokia Firewall, VPN, and IPSO Configuration Guide will be an essential reference to users of any of these products. Users manage the Nokia IPSO (which is a Linux variant, specifically designed for these appliances) through a Web interface called Nokia Network Voyager or via a powerful Command Line Interface (CLI). Coverage within the book becomes increasingly complex relative to the product line. The Nokia Firewall, VPN, and IPSO Configuration Guide and companion Web site will provide seasoned network administrators and security professionals with the in-depth coverage and step-by-step walkthroughs they require to properly secure their network perimeters and ensure safe connectivity for remote users. The book contains special chapters devoted to mastering the complex Nokia IPSO command line, as well as tips and tricks for taking advantage of the new "ease of use" features in the Nokia Network Voyager Web interface. In addition, the companion Web site offers downloadable video walkthroughs on various installation and troubleshooting tips from the authors. \* Only book on the market covering Nokia Firewall/VPN appliances, which hold 6.6% of a \$6 billion market \* Companion website offers video walkthroughs on various installation and troubleshooting tips from the authors \* Special chapters detail mastering the complex Nokia IPSO command line, as well as tips and tricks for taking advantage of the new "ease of use" features in the Nokia Network Voyager Web interface

2015-09-01 Omar Santos Trust the best selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. --Master Cisco CCNA Security 210-260 Official Cert Guide exam topics --Assess your knowledge with chapter-opening quizzes --Review key concepts with exam preparation tasks This is the eBook edition of the CCNA Security 210-260 Official Cert Guide. This eBook does not include the companion CD-ROM with practice exam that comes with the print edition. CCNA Security 210-260 Official Cert Guide presents you with an organized test-preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know

thoroughly. CCNA Security 210-260 Official Cert Guide focuses specifically on the objectives for the Cisco CCNA Security exam. Networking Security experts Omar Santos and John Stuppi share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. Well regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The official study guide helps you master all the topics on the CCNA Security exam, including --Networking security concepts --Common security threats --Implementing AAA using IOS and ISE --Bring Your Own Device (BYOD) --Fundamentals of VPN technology and cryptography --Fundamentals of IP security --Implementing IPsec site-to-site VPNs --Implementing SSL remote-access VPNs using Cisco ASA --Securing Layer 2 technologies --Network Foundation Protection (NFP) --Securing the management plane on Cisco IOS devices --Securing the data plane --Securing routing protocols and the control plane --Understanding firewall fundamentals --Implementing Cisco IOS zone-based firewalls --Configuring basic firewall policies on Cisco ASA --Cisco IPS fundamentals --Mitigation technologies for e-mail- and web-based threats --Mitigation technologies for endpoint threats

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2006 Mark Lewis (CCIE.) A detailed guide for deploying PPTP, L2TPv2, L2TPv3, MPLS Layer-3, AToM, VPLS and IPSec virtual private networks.

2014-04-28 Jazib Frahim Cisco® ASA All-in-One Next-Generation Firewall, IPS, and VPN Services, Third Edition Identify, mitigate, and respond to today's highly-sophisticated network attacks. Today, network attackers are far more sophisticated, relentless, and dangerous. In response, Cisco ASA: All-in-One Next-Generation Firewall, IPS, and VPN Services has been fully updated to cover the newest techniques and Cisco technologies for maximizing end-to-end security in your environment. Three leading Cisco security experts guide you through every step of creating a complete security plan with Cisco ASA, and then deploying, configuring, operating, and troubleshooting your solution. Fully updated for today's newest ASA releases, this edition adds new coverage of ASA 5500-X, ASA 5585-X, ASA Services Module, ASA next-generation firewall services, EtherChannel, Global ACLs, clustering, IPv6 improvements, IKEv2, AnyConnect Secure Mobility VPN clients, and more. The authors explain

significant recent licensing changes; introduce enhancements to ASA IPS; and walk you through configuring IPsec, SSL VPN, and NAT/PAT. You'll learn how to apply Cisco ASA adaptive identification and mitigation services to systematically strengthen security in network environments of all sizes and types. The authors present up-to-date sample configurations, proven design scenarios, and actual debugs- all designed to help you make the most of Cisco ASA in your rapidly evolving network. Jazib Frahim, CCIE® No. 5459 (Routing and Switching; Security), Principal Engineer in the Global Security Solutions team, guides top-tier Cisco customers in security-focused network design and implementation. He architects, develops, and launches new security services concepts. His books include Cisco SSL VPN Solutions and Cisco Network Admission Control, Volume II: NAC Deployment and Troubleshooting. Omar Santos, CISSP No. 463598, Cisco Product Security Incident Response Team (PSIRT) technical leader, leads and mentors engineers and incident managers in investigating and resolving vulnerabilities in Cisco products and protecting Cisco customers. Through 18 years in IT and cybersecurity, he has designed, implemented, and supported numerous secure networks for Fortune® 500 companies and the U.S. government. He is also the author of several other books and numerous whitepapers and articles. Andrew Ossipov, CCIE® No. 18483 and CISSP No. 344324, is a Cisco Technical Marketing Engineer focused on firewalls, intrusion prevention, and data center security. Drawing on more than 16 years in networking, he works to solve complex customer technical problems, architect new features and products, and define future directions for Cisco's product portfolio. He holds several pending patents. Understand, install, configure, license, maintain, and troubleshoot the newest ASA devices Efficiently implement Authentication, Authorization, and Accounting (AAA) services Control and provision network access with packet filtering, context-aware Cisco ASA next-generation firewall services, and new NAT/PAT concepts Configure IP routing, application inspection, and QoS Create firewall contexts with unique configurations, interfaces, policies, routing tables, and administration Enable integrated protection against many types of malware and advanced persistent threats (APTs) via Cisco Cloud Web Security and Cisco Security Intelligence Operations (SIO) Implement high availability with failover and elastic scalability with clustering Deploy, troubleshoot, monitor, tune, and manage Intrusion Prevention System (IPS) features Implement site-to-site IPsec VPNs and all forms of remote-access VPNs (IPsec, clientless SSL, and client-based SSL) Configure and troubleshoot Public Key Infrastructure (PKI) Use IKEv2 to more effectively resist attacks against VPNs Leverage IPv6 support for IPS, packet inspection, transparent firewalls, and site-to-site IPsec VPNs

2011-01-14 Jim Thomas Trust the best selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your

certification exam. CCNP Security VPN 642-647 Official Cert Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Master Cisco CCNP Security VPN 642-647 EAM topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions on the CD-ROM CCNP Security VPN 642-647 Official Cert Guide, focuses specifically on the objectives for the CCNP Security VPN exam. Cisco Certified Internetwork Expert (CCIE) Howard Hooper share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The companion CD-ROM contains a powerful Pearson IT Certification Practice Test engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine also tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Well-regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The official study guide helps you master all the topics on the CCNP Security VPN exam, including: Configuring policies, inheritance, and attributes AnyConnect Remote Access VPN solution AAA and Dynamic Access Policies (DAP) High availability and performance Clientless VPN solutions SSL VPN with Cisco Secure Desktop Easy VPN solutions IPsec VPN clients and site-to-site VPNs

CCNP Security VPN 642-647 Official Cert Guide is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining). The print edition of the CCNP Security VPN 642-647 Official Cert Guide contains a free, complete practice exam. Also available from Cisco Press for Cisco CCNP Security study is the CCNP Security VPN 642-647 Official Cert Guide Premium Edition eBook and Practice Test. This digital-only certification preparation product combines an eBook with enhanced Pearson IT Certification Practice Test. This integrated learning package: Allows you to focus on individual topic areas or take complete, timed exams Includes direct links from each question to detailed tutorials to help you understand the concepts behind the questions Provides unique sets of exam-realistic practice questions Tracks your performance and provides feedback on a module-by-module basis, laying out a complete

assessment of your knowledge to help you focus your study where it is needed most

2005 Lancy Lobo A complete configuration manual for MPLS, MPLS VPNs, MPLS TE, QoS, Any Transport over MPLS (AToM), and VPLS Understand the crucial Cisco commands for various MPLS scenarios Understand fundamentals of MPLS operation and learn to configure basic MPLS in Frame Relay and ATM-based environments Master fundamentals of MPLS VPN operation including Multiprotocol BGP (MBGP) operation, VPNv4 route exchange, and basic MPLS VPN configuration in the provider network Understand and configure various PE-CE routing protocols in MPLS VPN networks Understand MPLS VPN provisioning in an Inter-provider VPN (Inter-AS) and Carrier Supporting Carrier (CSC) environment Learn MPLS TE and its advanced features Examine AToM with configuration examples for like-to-like and any-to-any L2 VPN implementations and VPLS components and operation, VPLS configuration and verification, and VPLS topologies Learn about MPLS QoS, including configuration and implementation of uniform and short pipe modes MPLS Configuration on Cisco IOS Software is a complete and detailed resource to the configuration of Multiprotocol Label Switching (MPLS) networks and associated features. Through its practical, hands-on approach, you'll become familiar with MPLS technologies and their configurations using Cisco IOS® Software. MPLS Configuration on Cisco IOS Software covers basic-to-advanced MPLS concepts and configuration. Beyond its emphasis on MPLS, you'll learn about applications and deployments associated with MPLS, such as traffic engineering (TE), Layer 2 virtual private networks (VPN), and Virtual Private LAN Service (VPLS). You'll receive practical guidance and deployment scenarios that can be enhanced by re-creation of the setups and configurations demonstrated within this book. You'll move quickly from a brief overview of MPLS technology and basic MPLS configuration on Cisco® routers to more advanced topics. Several chapters provide instruction on VPN connectivity options, including implementing Border Gateway Protocol (BGP) in MPLS VPNs. You'll receive configuration guidelines for advanced MPLS implementations such as MPLS TE, quality of service (QoS), and extranet VPNs. You'll learn about implementation of Layer 2 VPNs versus Layer 3 VPNs with Cisco Any Transport over MPLS (AToM). And you'll see demonstrations of implementing VPLS on Cisco routers complete with the configurations and platform support. "I highly recommend MPLS Configuration on Cisco IOS Software as required reading for those in search of practical guidance of the technology and nuances of configuring MPLS for next-generation networks for voice, video, data, and application service offerings across a wide variety of deployment scenarios." -Carlos Dominguez, Senior Vice President, Worldwide Service Provider Operations, Cisco Systems® 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.

2014-07-23 Harris Andrea Become an expert in Cisco VPN technologies with this practical and comprehensive configuration guide. Learn how to configure IPSEC VPNs (site-to-site, hub-and-spoke, remote access), SSL VPN, DMVPN, GRE, VTI etc. This book is packed with step-by-step configuration tutorials and real world scenarios to implement VPNs on Cisco ASA Firewalls (v8.4 and above and v9.x) and on Cisco Routers. It is filled with raw practical concepts, around 40 network diagrams to explain the scenarios, troubleshooting instructions, 20 complete configurations on actual devices and much more. Both beginners and experts will find some golden nuggets inside this practical guide. Every Cisco Networking Professional in this planet will have to configure some kind of VPN sooner or later in his/her professional career. This VPN Guide, therefore, will be a great reference for years to come. Some of the topics covered include the following: Policy-Based (IPSEC) and Route-Based VPNs (Comparison and Applications). Practical Applications of each VPN Technology. Configuration of Site-to-Site, Hub-and-Spoke and Remote Access IPSEC VPNs on Cisco Routers. Configuration of Route-Based VPNs using GRE, Static VTI, Dynamic VTI. Configuration of Dynamic Multipoint VPN (DMVPN) on Cisco Routers. Configuration of PPTP VPNs on Cisco Routers. Configuration of Site-to-Site and Hub-and-Spoke IPSEC VPNs (including IKEv2 IPSEC) on Cisco ASA Firewalls. Configuration of Remote Access IPSEC VPN and Anyconnect SSL VPN on Cisco ASA Firewalls. VPN Authentication using Active Directory, RSA Server and external AAA Server. PLUS MUCH MORE In addition to the most popular VPN topologies and scenarios, the book contains also some special cases for which you will not find information easily anywhere else. Some special cases and scenarios included in the book: VPNs with sites having dynamic public IP address. Implementations of hub-and-spoke together with remote access VPNs on the same device. Using Dynamic Routing Protocols (EIGRP) to make VPNs on Routers more scalable. Spoke to Spoke communication via the Hub Site (using VPN Hairpinning on ASA). Remote Access users to communicate with Spoke sites via the Hub (using VPN Hairpinning on ASA). Site-to-Site IPSEC VPN with duplicate subnets on the two sites. IPSEC VPN Failover with backup ISP.

2016-08-10 Graham Bartlett Create and manage highly-secure Isec VPNs with IKEv2 and Cisco FlexVPN The IKEv2 protocol significantly improves VPN security, and Cisco's FlexVPN offers a unified paradigm and command line interface for taking full advantage of it. Simple and modular, FlexVPN relies extensively on tunnel interfaces while maximizing compatibility with legacy VPNs. Now, two Cisco network security experts offer a complete, easy-to-understand, and practical introduction to IKEv2, modern IPsec VPNs, and FlexVPN. The authors explain each key concept, and then guide you through all facets of FlexVPN planning, deployment, migration, configuration, administration, troubleshooting, and optimization. You'll discover how IKEv2 improves on IKEv1, master key IKEv2 features, and learn how to apply them with Cisco FlexVPN. IKEv2 IPsec Virtual Private Networks

offers practical design examples for many common scenarios, addressing IPv4 and IPv6, servers, clients, NAT, pre-shared keys, resiliency, overhead, and more. If you're a network engineer, architect, security specialist, or VPN administrator, you'll find all the knowledge you need to protect your organization with IKEv2 and FlexVPN. Understand IKEv2 improvements: anti-DDoS cookies, configuration payloads, acknowledged responses, and more Implement modern secure VPNs with Cisco IOS and IOS-XE Plan and deploy IKEv2 in diverse real-world environments Configure IKEv2 proposals, policies, profiles, keyrings, and authorization Use advanced IKEv2 features, including SGT transportation and IKEv2 fragmentation Understand FlexVPN, its tunnel interface types, and IOS AAA infrastructure Implement FlexVPN Server with EAP authentication, pre-shared keys, and digital signatures Deploy, configure, and customize FlexVPN clients Configure, manage, and troubleshoot the FlexVPN Load Balancer Improve FlexVPN resiliency with dynamic tunnel source, backup peers, and backup tunnels Monitor IPsec VPNs with AAA, SNMP, and Syslog Troubleshoot connectivity, tunnel creation, authentication, authorization, data encapsulation, data encryption, and overlay routing Calculate IPsec overhead and fragmentation Plan your IKEv2 migration: hardware, VPN technologies, routing, restrictions, capacity, PKI, authentication, availability, and more

2009-12-29 Jazib Frahim This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. For organizations of all sizes, the Cisco ASA product family offers powerful new tools for maximizing network security. Cisco ASA: All-in-One Firewall, IPS, Anti-X and VPN Adaptive Security Appliance, Second Edition, is Cisco's authoritative practitioner's guide to planning, deploying, managing, and troubleshooting security with Cisco ASA. Written by two leading Cisco security experts, this book presents each Cisco ASA solution in depth, offering comprehensive sample configurations, proven troubleshooting methodologies, and debugging examples. Readers will learn about the Cisco ASA Firewall solution and capabilities; secure configuration and troubleshooting of site-to-site and remote access VPNs; Intrusion Prevention System features built into Cisco ASA's Advanced Inspection and Prevention Security Services Module (AIP-SSM); and Anti-X features in the ASA Content Security and Control Security Services Module (CSC-SSM). This new edition has been updated with detailed information on the latest ASA models and features. Everything network professionals need to know to identify, mitigate, and respond to network attacks with Cisco ASA Includes detailed configuration examples, with screenshots and command line references Covers the ASA 8.2 release Presents complete troubleshooting methodologies and architectural references

2017-05-09 Mohammed M. Alani This easy-to-follow text/reference presents a practical guide to the configuration of Cisco routers, from tasks for beginners to advanced operations. The work starts with the simple step-by-step task of

connecting the router and performing basic configuration, before building up to complex and sensitive operations such as router IOS upgrade and Site-to-Site VPNs. This updated and expanded new edition has been enhanced with a more detailed treatment of each topic, supported by a set of training scenarios. Features: discusses basic configuration, domestic duties, standard and advanced routing, WAN technologies, security, router management, remote connectivity, and practical tips; explains in detail the steps required to configure different protocols on Cisco routers; includes coverage of MPLS, multicasting, GRE, HSRP, reflexive and timed-access lists, and configuration steps for IPv6 (NEW); provides an extensive selection of training scenarios, designed to offer hands-on practice in the relevant tasks (NEW).

2006-09-28 Syngress A firewall is as good as its policies and the security of its VPN connections. The latest generation of firewalls offers a dizzying array of powerful options; they key to success is to write concise policies that provide the appropriate level of access while maximizing security. This book covers the leading firewall products: Cisco PIX, Check Point NGX, Microsoft ISA Server, Juniper's NetScreen Firewall, and SonicWall. It describes in plain English what features can be controlled by a policy, and walks the reader through the steps for writing the policy to fit the objective. Because of their vulnerability and their complexity, VPN policies are covered in more depth with numerous tips for troubleshooting remote connections. · The only book that focuses on creating policies that apply to multiple products. · Included is a bonus chapter on using Ethereal, the most popular protocol analyzer, to monitor and analyze network traffic. · Shows what features can be controlled by a policy, and walks you through the steps for writing the policy to fit the objective at hand

2011-04-18 Rob Cameron Juniper Networks Secure Access SSL VPN appliances provide a complete range of remote access appliances for the smallest companies up to the largest service providers. As a system administrator or security professional, this comprehensive configuration guide will allow you to configure these appliances to allow remote and mobile access for employees. If you manage and secure a larger enterprise, this book will help you to provide remote and/or extranet access, for employees, partners, and customers from a single platform. Complete coverage of the Juniper Networks Secure Access SSL VPN line including the 700, 2000, 4000, 6000, and 6000 SP. Learn to scale your appliances to meet the demands of remote workers and offices. Use the NEW coordinated threat control with Juniper Networks IDP to manage the security of your entire enterprise.

2002 Andrew G. Mason Based on the official instructor-led training course of the same name in a self-study product, Cisco® Secure Virtual Private Networks is a comprehensive, results-oriented book designed to give readers the knowledge to plan, administer, and maintain a Virtual Private Network (VPN). Readers are taught to accomplish several specific tasks, including identifying the features, functions,

and benefits of Cisco® Secure VPN products; identifying the component technologies implemented in Cisco® Secure VPN products; utilizing commands required to configure and test IPsec in Cisco IOS® software and PIX Firewalls; installing and configuring the Cisco® VPN Client to create a secure tunnel to a Cisco® VPN Concentrator and PIX Firewall; configuring and verifying IPsec in the Cisco® VPN Concentrator, Cisco router, and PIX Firewall; and configuring the Cisco® VPN Concentrator, Cisco® router, and PIX Firewall for interoperability.

2012-03-19 Ivan Pepelnjak This revised version of the bestselling first edition provides a self-study complement to the Cisco CCIP training course implementing Cisco MPLS. Extensive case studies guide readers through the design and deployment of real-world MPLS/VPN networks MPLS and VPN Architectures.

2012 Howard Hooper The official study guide helps you master all the topics on the CCNP Security VPN exam, including Configuring policies, inheritance, and attributes ♦ AnyConnect Remote Access VPN solutions ♦ AAA and Dynamic Access Policies (DAP) ♦ High availability and performance ♦ Clientless VPN solutions ♦ SSL VPN with Cisco Secure Desktop ♦ Easy VPN solutions ♦ IPsec VPN clients and site-to-site VPNs The CD-ROM contains a free, complete practice exam. Includes Exclusive Offer for 70% Off Premium Edition eBook and Practice Test Pearson IT Certification Practice Test minimum system requirements: Windows XP (SP3), Windows Vista (SP2), or Windows 7; Microsoft .NET Framework 4.0 Client; Pentium class 1GHz processor (or equivalent); 512 MB RAM; 650 MB disc space plus 50 MB for each downloaded practice exam This volume is part of the Official Cert Guide Series from Cisco Press. Books in this series provide officially developed exam preparation materials that offer assessment, review, and practice to help Cisco Career Certification candidates identify weaknesses, concentrate their study efforts, and enhance their confidence as exam day nears. CCNP Security VPN 642-648 Official Cert Guide is a best of breed Cisco exam study guide that focuses specifically on the objectives for the CCNP Security VPN exam. Cisco Certified Internetwork Expert (CCIE) Howard Hooper shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. CCNP Security VPN 642-648 Official Cert Guide presents you with an organized test-preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. The companion CD-ROM contains a powerful testing engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine also tracks your performance and provides feedback on a

module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. CCNP Security VPN 642-648 Official Cert Guide is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit [www.cisco.com/go/authorizedtraining](http://www.cisco.com/go/authorizedtraining).

2009-08-24 Richard Deal "Richard Deal's gift of making difficult technology concepts understandable has remained constant. Whether it is presenting to a room of information technology professionals or writing books, Richard's communication skills are unsurpassed. As information technology professionals we are faced with overcoming challenges every day...Cisco ASA Configuration is a great reference and tool for answering our challenges." --From the Foreword by Steve Marcinek (CCIE 7225), Systems Engineer, Cisco Systems A hands-on guide to implementing Cisco ASA Configure and maintain a Cisco ASA platform to meet the requirements of your security policy. Cisco ASA Configuration shows you how to control traffic in the corporate network and protect it from internal and external threats. This comprehensive resource covers the latest features available in Cisco ASA version 8.0, and includes detailed examples of complex configurations and troubleshooting. Implement and manage Cisco's powerful, multifunction network adaptive security appliance with help from this definitive guide. Configure Cisco ASA using the command-line interface (CLI) and Adaptive Security Device Manager (ASDM) Control traffic through the appliance with access control lists (ACLs) and object groups Filter Java, ActiveX, and web content Authenticate and authorize connections using Cut-through Proxy (CTP) Use Modular Policy Framework (MPF) to configure security appliance features Perform protocol and application inspection Enable IPsec site-to-site and remote access connections Configure WebVPN components for SSL VPN access Implement advanced features, including the transparent firewall, security contexts, and failover Detect and prevent network attacks Prepare and manage the AIP-SSM and CSC-SSM cards

2002 Dave Hucaby The ultimate command reference for configuring Cisco "RM" routers and switches. This guide presents the common elements of complex configurations for Cisco "RM" routers, switches, and firewalls in an intuitive, easy-to-reference format.

2021-12-07 Joseph Muniz Trust the best-selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to

help ensure you are fully prepared for your certification exam. \* Master Implementing Secure Solutions with Virtual Private Networks (SVPN) 300-730 exam topics \* Assess your knowledge with chapter-opening quizzes \* Review key concepts with exam preparation tasks This is the eBook edition of the CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide. This eBook does not include access to the companion website with practice exam that comes with the print edition. CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide focuses specifically on the objectives for the CCNP Security SVPN exam. Three leading Cisco security technology experts share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. Well regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. It helps you master all the topics on the Implementing Secure Solutions with Virtual Private Networks (SVPN) 300-730 exam, deepening your knowledge of \* Site-to-site virtual private networks on routers and firewalls \* Remote access VPNs \* Troubleshooting using ASDM and CLI \* Secure communications architectures CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit <http://www.cisco.com/web/learning/index.html>.

2005-03-29 Vijay Bollapragada The definitive design and deployment guide for secure virtual private networks Learn about IPsec protocols and Cisco IOS IPsec packet processing Understand the differences between IPsec tunnel mode and transport mode Evaluate the IPsec features that improve VPN scalability and fault tolerance, such as dead peer detection and control plane keepalives Overcome the challenges of working with NAT and PMTUD Explore IPsec remote-access features, including extended authentication, mode-configuration, and digital certificates Examine the pros and cons of various IPsec connection models such as native IPsec, GRE, and remote access Apply fault tolerance methods to IPsec VPN designs Employ mechanisms to alleviate the configuration complexity of a large-scale IPsec VPN, including Tunnel End-Point

Discovery (TED) and Dynamic Multipoint VPNs (DMVPN) Add services to IPsec VPNs, including voice and multicast Understand how network-based VPNs operate and how to integrate IPsec VPNs with MPLS VPNs Among the many functions that networking technologies permit is the ability for organizations to easily and securely communicate with branch offices, mobile users, telecommuters, and business partners. Such connectivity is now vital to maintaining a competitive level of business productivity. Although several technologies exist that can enable interconnectivity among business sites, Internet-based virtual private networks (VPNs) have evolved as the most effective means to link corporate network resources to remote employees, offices, and mobile workers. VPNs provide productivity enhancements, efficient and convenient remote access to network resources, site-to-site connectivity, a high level of security, and tremendous cost savings. IPsec VPN Design is the first book to present a detailed examination of the design aspects of IPsec protocols that enable secure VPN communication. Divided into three parts, the book provides a solid understanding of design and architectural issues of large-scale, secure VPN solutions. Part I includes a comprehensive introduction to the general architecture of IPsec, including its protocols and Cisco IOS® IPsec implementation details. Part II examines IPsec VPN design principles covering hub-and-spoke, full-mesh, and fault-tolerant designs. This part of the book also covers dynamic configuration models used to simplify IPsec VPN designs. Part III addresses design issues in adding services to an IPsec VPN such as voice and multicast. This part of the book also shows you how to effectively integrate IPsec VPNs with MPLS VPNs. IPsec VPN Design provides you with the field-tested design and configuration advice to help you deploy an effective and secure VPN solution in any environment. This security book is part of the Cisco Press® Networking Technology Series. Security titles from Cisco Press help networking professionals secure critical data and resources, prevent and mitigate network attacks, and build end-to-end self-defending networks.

2006 Richard A. Deal "Safari Books Online enabled"--P. [4] of cover.

2003 Dave Hucaby A complete, concise reference for implementing the most important features of the Cisco Catalyst family of switches Review detailed and comparative configuration steps for features of the COS and Cisco IOS Software operating systems Understand basic system and operating system management Configure Ethernet, EtherChannel, Token Ring, and ATM LANE interfaces Deploy VLANs, private VLANs, trunking, VTP, and dynamic port membership Understand STP operation, configuration, and tuning Configure and use Cisco Catalyst hardware for Layer 3 switching and redundancy Discover how Cisco Catalyst switches handle multicast traffic and interact with multicast routers Implement broadcast suppression, protocol filtering, user authentication, port security, and VLAN access lists Set up switches for logging, SNMP and RMON management, and port analysis

Configure voice gateway modules, inline power, and QoS features needed to transport voice traffic Cisco Catalyst switches, a common ingredient in many campus, metropolitan, enterprise, and service provider networks, are complex devices that require many configuration steps for proper operation. Not only are the required commands difficult to remember, but locating reference material on them also requires extensive research that is both time-consuming and difficult to complete in the field. Cisco Field Manual: Catalyst Switch Configuration is a quick and portable reference guide to the most commonly used features that can be configured on Cisco Catalyst switches. Derived from the authors' notes about how to configure a variety of Cisco Catalyst features during the course of their preparation for the CCIE(r) exam, Cisco Field Manual: Catalyst Switch Configuration is an indispensable tool that helps you perform the most popular deployment tasks. From the first page, the authors zero in on quick facts, configuration steps, and explanations of configuration options in each Cisco Catalyst feature. The different variations of the Cisco Catalyst operating systems (COS and Cisco IOS(r) Software) are shown together for side-by-side comparison, making it easy to move from one Cisco Catalyst platform to another. The book presents concise implementation advice for families of Cisco Catalyst features, including configuration fundamentals, Layer 2 interface configuration, Layer 3 interface configuration, VLANs and trunking, Spanning Tree Protocol (STP), Layer 3 switching, multicast, server load balancing, access control, switch management, quality of service (QoS), and voice. Additional appendixes provide you with critical details on well-known ports and addresses, specialized switch modules, VLAN extension, and a cabling guide. The quick reference format allows you to easily locate just the information you need without searching through thousands of pages of documentation, saving you time and helping you to get the devices up and running quickly and smoothly. Whether you are looking for a handy, portable reference to more easily configure Cisco Catalyst switches in the field, or you are preparing for CCNA(r), CCNP(r), or CCIE certification, you will find Cisco Field Manual: Catalyst Switch Configuration to be an essential resource that will save you hours of research time.

2005 Vijay Bollapragada "IPsec VPN Design is the first book to present a detailed examination of the design aspects of IPsec protocols that enable secure VPN communication. - Divided into three parts, the book provides a solid understanding of design and architectural issues of large-scale, secure VPN solutions. Part I includes a comprehensive introduction to the general architecture of IPsec, including its protocols and Cisco IOS IPsec implementation details. - Part II examines IPsec VPN design principles covering hub-and-spoke, full-mesh, and fault-tolerant designs. This part of the book also covers dynamic configuration models used to simplify IPsec VPN designs. Part III addresses design issues in adding services to an IPsec VPN such as voice and multicast. - This part of the book also shows you how to effectively integrate IPsec VPNs with MPLS VPNs."--Jacket.

2014-04-08 Harris Andrea Covers the most important and common configuration scenarios and features which will put you on track to start implementing ASA firewalls right away.

2006-02-20 Wade Edwards Here's the book you need to prepare for Cisco's Secure PIX Firewall (CSPFA) and Secure VPN (CSVN) exams. This two-in-one Study Guide provides: In-depth coverage of all exam topics Practical information on implementing Cisco's Secure PIX and Secure VPN technologies Hundreds of challenging review questions Leading-edge exam preparation software, including a test engine and electronic flashcards Authoritative coverage of all exam objectives, including: Secure PIX Firewall: Translations and Connections Access Control Lists and Content Filtering Object Grouping Advanced Protocol Handling Attack Guards, Intrusion Detection, and Shunning Authentication, Authorization, and Accounting Failover Cisco PIX Device Manager Enterprise PIX Firewall Management and Maintenance Firewall Services Module Secure VPN: VPN and IPsec Technology Overview VPN 3000 Concentrator Series Hardware Remote Access with Pre-shared Keys and Digital Certificates IPsec Software Client Firewalls Software Client Auto-Initiation Hardware Client Configuration Network Client Backup and Load Balancing Software Auto-Update Configuring for the IPsec Over UDP and IPsec Over TCP LAN-to-LAN with Pre-Shared Keys, NAT, and Digital Certificates Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

2007 Neil R. Wyler

2005 Umesh Lakshman A complete configuration manual for MPLS, MPLS VPNs, MPLS TE, QoS, Any Transport over MPLS (AToM), and VPLS Understand the crucial Cisco commands for various MPLS scenarios Understand fundamentals of MPLS operation and learn to configure basic MPLS in Frame Relay and ATM-based environments Master fundamentals of MPLS VPN operation including Multiprotocol BGP (MBGP) operation, VPNv4

route exchange, and basic MPLS VPN configuration in the provider network Understand and configure various PE-CE routing protocols in MPLS VPN networks Understand MPLS VPN provisioning in an Inter-provider VPN (Inter-AS) and Carrier Supporting Carrier (CSC) environment Learn MPLS TE and its advanced features Examine AToM with configuration examples for like-to-like and any-to-any L2 VPN implementations and VPLS components and operation, VPLS configuration and verification, and VPLS topologies Learn about MPLS QoS, including configuration and implementation of uniform and short pipe modes MPLS Configuration on Cisco IOS Software is a complete and detailed resource to the configuration of Multiprotocol Label Switching (MPLS) networks and associated features. Through its practical, hands-on approach, you'll become familiar with MPLS technologies and their configurations using Cisco IOS® Software. MPLS Configuration on Cisco IOS Software covers basic-to-advanced MPLS concepts and configuration. Beyond its emphasis on MPLS, you'll learn about applications and deployments associated with MPLS, such as traffic engineering (TE), Layer 2 virtual private networks (VPN), and Virtual Private LAN Service (VPLS). You'll receive practical guidance and deployment scenarios that can be enhanced by re-creation of the setups and configurations demonstrated within this book. You'll move quickly from a brief overview of MPLS technology and basic MPLS configuration on Cisco® routers to more advanced topics. Several chapters provide instruction on VPN connectivity options, including implementing Border Gateway Protocol (BGP) in MPLS VPNs. You'll receive configuration guidelines for advanced MPLS implementations such as MPLS TE, quality of service (QoS), and extranet VPNs. You'll learn about implementation of Layer 2 VPNs versus Layer 3 VPNs with Cisco Any Transport over MPLS (AToM). And you'll see demonstrations of implementing VPLS on Cisco routers complete with the configurations and platform support. "I

highly recommend MPLS Configuration on Cisco IOS Software as required reading for those in search of practical guidance of the technology and nuances of configuring MPLS for next-generation networks for voice, video, data, and application service offerings across a wide variety of deployment scenarios." --Carlos Dominguez, Senior Vice President, Worldwide Service Provider Operations, Cisco Systems® 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.

2003 John F. Roland The only Cisco authorized exam certification guide for the new CSVN exam offers pre- and post-chapter quizzes help to assess knowledge and identify areas of weakness. Overviews and foundation summaries present complete and quick review of all CSVN exam topics.

2009-01-31 Jason Neumann Cisco Routers for the Small Business provides, in plain English, a no-nonsense approach to setting up all the features of the Cisco IOS for a small business using broadband technologies. This book explains how to use a Cisco router to setup cable modems, DSL and PPPoE, and explains how to configure NAT, Access Control Lists, Firewalls, DMZs and an IPsec VPN between two sites using advanced encryption. The chapters are tutorial-based and provide easy-to-follow, step-by-step instructions for all tasks that small businesses need to perform using a router. Easy-to-implement example configurations are included in the appendices. Written for the small business using common, broadband connections such as cable Internet and DSL. Provides easily-followed, step-by-step instructions for tasks that small businesses need to perform, such as configuring virtual private network (VPN) connections, creating firewalls, securing the router, and more. Contains appendixes with example configurations that are short, to the point, and dead-simple to implement.