



SECURITY

Cisco ASA

All-in-One Next-Generation Firewall,
IPS, and VPN Services

Third Edition

Cisco Asa All In One Next Generation Firewall Ips And Vpn Services 3rd Edition

David Hucaby



Cisco Asa All In One Next Generation Firewall Ips And Vpn Services 3rd Edition:

Cisco ASA Jazib Frahim, Omar Santos, Andrew Ossipov, 2014-04-28 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 [Cisco Next-Generation Security Solutions](#) Omar Santos, Panos Kampanakis, Aaron Woland, 2016-07-06 Network threats are emerging and changing faster than ever before Cisco Next Generation Network Security technologies give you all the visibility and control you need to anticipate and meet tomorrow's threats wherever they appear Now three Cisco network security experts introduce these products and solutions and offer expert guidance for planning deploying and operating them The authors present authoritative coverage of Cisco ASA with FirePOWER Services Cisco Firepower Threat Defense FTD Cisco Next Generation IPS appliances the Cisco Web Security Appliance WSA with integrated Advanced Malware Protection AMP Cisco Email Security Appliance ESA with integrated Advanced Malware Protection AMP Cisco AMP ThreatGrid Malware Analysis and Threat Intelligence and the Cisco Firepower Management Center FMC You'll find everything you need to succeed easy to follow configurations application case studies practical triage and troubleshooting methodologies and much more Effectively respond to changing threat landscapes and attack continuums Design Cisco ASA with FirePOWER Services and Cisco Firepower Threat Defense FTD solutions Set up configure and troubleshoot the Cisco ASA FirePOWER Services module and Cisco Firepower Threat Defense Walk through installing AMP Private Clouds Deploy Cisco AMP for Networks and configure malware and file policies Implement AMP for Content Security and configure File Reputation and File Analysis Services Master Cisco AMP for Endpoints including custom detection application control and policy management Make the most of the AMP ThreatGrid dynamic malware analysis engine Manage Next Generation Security Devices with the Firepower Management Center FMC Plan implement and configure Cisco Next Generation IPS including performance and redundancy Create Cisco Next Generation IPS custom reports and analyses Quickly identify the root causes of security problems [Network Security with Netflow and IPFIX](#) Omar Santos, 2015-09-08 A comprehensive guide for deploying configuring and troubleshooting NetFlow and learning big data analytics technologies for cyber security Today's world of network security is full of cyber security vulnerabilities incidents breaches and many headaches Visibility into the network is an indispensable tool for network and security professionals and Cisco NetFlow creates an environment where network administrators and security professionals have the tools to understand who what when where and how network traffic is flowing Network Security with NetFlow and IPFIX is a key resource for introducing yourself to and understanding the power behind the Cisco NetFlow solution Omar Santos a Cisco Product Security Incident Response Team PSIRT technical leader and author of numerous books including the CCNA Security 210-260 Official Cert Guide details the importance of NetFlow and demonstrates how it can be used by large enterprises and small to medium sized businesses to meet critical network challenges This book also examines NetFlow's

potential as a powerful network security tool Network Security with NetFlow and IPFIX explores everything you need to know to fully understand and implement the Cisco Cyber Threat Defense Solution It also provides detailed configuration and troubleshooting guidance sample configurations with depth analysis of design scenarios in every chapter and detailed case studies with real life scenarios You can follow Omar on Twitter santosomar NetFlow and IPFIX basics Cisco NetFlow versions and features Cisco Flexible NetFlow NetFlow Commercial and Open Source Software Packages Big Data Analytics tools and technologies such as Hadoop Flume Kafka Storm Hive HBase Elasticsearch Logstash Kibana ELK Additional Telemetry Sources for Big Data Analytics for Cyber Security Understanding big data scalability Big data analytics in the Internet of everything Cisco Cyber Threat Defense and NetFlow Troubleshooting NetFlow Real world case studies Computer Network Security Ali Sadiqui,2020-06-16 Developed in collaboration with a training and certification team from Cisco Computer Network Security is an exploration of the state of the art and good practices in setting up a secure computer system Concrete examples are offered in each chapter to help the reader to master the concept and apply the security configuration This book is intended for students preparing for the CCNA Security Exam 210 260 IINS whether at professional training centers technical faculties or training centers associated with the Cisco Academy program It is also relevant to anyone interested in computer security be they professionals in this field or users who want to identify the threats and vulnerabilities of a network to ensure better security Cisco ASA Jazib Frahim,Omar Santos,2009-12-29 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

Cisco ASA Jazib 5459,Jazib Frahim,Omar Santos,2009 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

31 Days Before Your CCNA Security Exam Patrick Gargano, 2016-06-06 31 Days Before Your CCNA Security Exam 31 Days Before Your CCNA Security Exam offers you an engaging and practical way to understand the certification process commit to taking the CCNA Security IINS 210 260 certification exam and finish your preparation using a variety of Primary and Supplemental study resources The IINS 210 260 exam tests your knowledge of secure network infrastructure core security concepts secure access VPN encryption firewalls intrusion prevention web email content security and endpoint security It also tests your skills for installing troubleshooting and monitoring secure networks to maintain the integrity confidentiality and availability of data and devices Sign up for the IINS 210 260 exam and use the book s day by day guide and checklist to organize prepare and review Each day in this guide breaks down an exam topic into a manageable bit of information to review using short summaries A Study Resources section provides you with a quick reference for locating more in depth treatment of a day s topics within the Primary and Supplemental resources The features of the book empower you to fit exam preparation into a busy schedule A visual calendar summarizing each day s study topic A checklist providing advice for preparation activities leading up to the exam A description of the CCNA Security IINS 210 260 exam organization and sign up process Strategies from the author to be mentally organizationally and physically prepared for exam day A conversational tone which makes your study time more enjoyable Primary Resources CCNA Security 210 260 Official Cert Guide ISBN 13 978 1 58720 566 8 CCNA Security Course Booklet Version 2 ISBN 13 978 1 58713 351 0 CCNA Security Lab Manual Version 2 ISBN 13 978 1 58713 350 3 Supplemental Resources CCNA Security 210 260 Complete Video Course ISBN 13 978 0 13 449931 4 CCNA Security Portable Command Guide Second Edition ISBN 13 978 1 58720 575 0 Cisco ASA All in One Next Generation Firewall IPS and VPN Services Third Edition ISBN 13 978 1 58714 307 6 Category Certification Covers CCNA Security

Cisco ASA Jazib 5459, Jazib Frahim, Omar Santos, 2005 Identify mitigate and respond to network attacks Understand the evolution of security technologies that make up the unified ASA device and how to install the ASA hardware Examine firewall solutions including network access control IP routing AAA application inspection virtual firewalls transparent Layer 2 firewalls failover and

redundancy and QoS Evaluate Intrusion Prevention System IPS solutions including IPS integration and Adaptive Inspection and Prevention Security Services Module AIP SSM configuration Deploy VPN solutions including site to site IPsec VPNs remote access VPNs and Public Key Infrastructure PKI Learn to manage firewall IPS and VPN solutions with Adaptive Security Device Manager ASDM Achieving maximum network security is a challenge for most organizations Cisco ASA a new unified security device that combines firewall network antivirus intrusion prevention and virtual private network VPN capabilities provides proactive threat defense that stops attacks before they spread through the network This new family of adaptive security appliances also controls network activity and application traffic and delivers flexible VPN connectivity The result is a powerful multifunction network security device that provides the security breadth and depth for protecting your entire network while reducing the high deployment and operations costs and complexities associated with managing multiple point products Cisco ASA All in One Firewall IPS and VPN Adaptive Security Appliance is a practitioner s guide to planning deploying and troubleshooting a comprehensive security plan with Cisco ASA The book provides valuable insight and deployment examples and demonstrates how adaptive identification and mitigation services on Cisco ASA provide a sophisticated security solution for both large and small network environments The book contains many useful sample configurations proven design scenarios and discussions of debugs that help you understand how to get the most out of Cisco ASA in your own network I have found this book really highlights the practical aspects needed for building real world security It offers the insider s guidance needed to plan implement configure and troubleshoot the Cisco ASA in customer environments and demonstrates the potential and power of Self Defending Networks Jayshree Ullal Sr Vice President Security Technologies Group Cisco Systems This security book is part of the **Cisco ASA - All-in-one Firewall, IPS, Anti-X, and VPN Adaptive Security Appliance** Jazib Frahim,Omar Santos,2010 **Cisco ASA** Jazib Frahim,Omar Santos,2006 Cisco ASA All in One Firewall IPS and VPN Adaptive Security Appliance is a practitioner s guide to planning deploying and troubleshooting a comprehensive security plan with Cisco ASA The book provides valuable insight and deployment examples and demonstrates how adaptive identification and mitigation services on Cisco ASA provide a sophisticated security solution for both large and small network environments The book contains many useful sample configurations proven design scenarios and discussions of debugs that help you understand how to get the most out of Cisco ASA in your own network **BOOK JACKET Cisco ASA Firewall Fundamentals - 3rd Edition** Harris Andrea,2014-04-08 Covers the most important and common configuration scenarios and features which will put you on track to start implementing ASA firewalls right away Cisco ASA Frahim,2010 *Cisco Next-Generation Security Solutions* ,2016 *Cisco ASA, PIX, and FWSM Firewall Handbook* David Hucaby,2007-08-09 Cisco ASA PIX and FWSM Firewall Handbook Second Edition is a guide for the most commonly implemented features of the popular Cisco firewall security solutions Fully updated to cover the latest firewall releases this book helps you to quickly and easily configure integrate and manage the

entire suite of Cisco firewall products including ASA PIX and the Catalyst Firewall Services Module FWSM Organized by families of features this book helps you get up to speed quickly and efficiently on topics such as file management building connectivity controlling access firewall management increasing availability with failover load balancing logging and verifying operation Sections are marked by shaded tabs for quick reference and information on each feature is presented in a concise format with background configuration and example components Whether you are looking for an introduction to the latest ASA PIX and FWSM devices or a complete reference for making the most out of your Cisco firewall deployments Cisco ASA PIX and FWSM Firewall Handbook Second Edition helps you achieve maximum protection of your network resources Many books on network security and firewalls settle for a discussion focused primarily on concepts and theory This book however goes well beyond these topics It covers in tremendous detail the information every network and security administrator needs to know when configuring and managing market leading firewall products from Cisco Jason Nolet Vice President of Engineering Security Technology Group Cisco David Hucaby CCIE No 4594 is a lead network engineer for the University of Kentucky where he works with health care networks based on the Cisco Catalyst ASA FWSM and VPN product lines He was one of the beta reviewers of the ASA 8 0 operating system software Learn about the various firewall models user interfaces feature sets and configuration methods Understand how a Cisco firewall inspects traffic Configure firewall interfaces routing IP addressing services and IP multicast support Maintain security contexts and flash and configuration files manage users and monitor firewalls with SNMP Authenticate authorize and maintain accounting records for firewall users Control access through the firewall by implementing transparent and routed firewall modes address translation and traffic shunning Define security policies that identify and act on various types of traffic with the Modular Policy Framework Increase firewall availability with firewall failover operation Understand how firewall load balancing works Generate firewall activity logs and learn how to analyze the contents of the log Verify firewall operation and connectivity and observe data passing through a firewall Configure Security Services Modules such as the Content Security Control CSC module and the Advanced Inspection Processor AIP module 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 Category Networking Security Covers Cisco ASA 8 0 PIX 6 3 and FWSM 3 2 version firewalls

Cisco Firewall Technologies (Digital Short Cut) Andrew Mason, 2007-01-25 This is the eBook version of the printed book Cisco Firewall Technologies Digital Short Cut Andrew Mason ISBN 10 1 58705 329 2 ISBN 13 978 1 58705 329 0 Cisco Firewall Technologies provides you with a no nonsense easy to read guide to different types of firewall technologies along with information on how these technologies are represented in the Cisco firewall product family The main Cisco products covered are the IOS Firewall the PIX Firewall and the ASA The majority of focus for the Short Cut will be on the ASA and emphasis will be placed upon the latest functionality released in version 7 2 The Short Cut also provides a walkthrough for

configuring the ASA using the Adaptive Security Device Manager ASDM the GUI management and configuration tool provided with the ASA The Short Cut presents you with the background information and product knowledge to make qualified decisions about the type of firewall technology that best fits your working environment This is a Cisco technology focused Short Cut so the emphasis will be solely on Cisco firewall products Table of Contents Chapter 1 Firewall Technologies Chapter 2 Cisco Firewall Technologies Chapter 3 Advancements in the ASA About the Author Andrew Mason CCIE No 7144 is a networking and security consultant based in the UK He holds various industry certifications including CCIE CISSP and CEH Andrew has 15 years experience in the IT industry working in Internet security for the past several He is involved daily in the design and implementation of security deployments for numerous clients based upon Cisco technology About the Technical Editor 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 David was one of the beta reviewers of the PIX Firewall 7 0 operating system software David has a B S and M S in electrical engineering from the University of Kentucky and has worked in the IT field for 19 years He lives in Kentucky with his wife Marci and two daughters

End-to-End Network Security Omar Santos, 2007-08-24 End to End Network Security Defense in Depth Best practices for assessing and improving network defenses and responding to security incidents Omar Santos Information security practices have evolved from Internet perimeter protection to an in depth defense model in which multiple countermeasures are layered throughout the infrastructure to address vulnerabilities and attacks This is necessary due to increased attack frequency diverse attack sophistication and the rapid nature of attack velocity all blurring the boundaries between the network and perimeter End to End Network Security is designed to counter the new generation of complex threats Adopting this robust security strategy defends against highly sophisticated attacks that can occur at multiple locations in your network The ultimate goal is to deploy a set of security capabilities that together create an intelligent self defending network that identifies attacks as they occur generates alerts as appropriate and then automatically responds End to End Network Security provides you with a comprehensive look at the mechanisms to counter threats to each part of your network The book starts with a review of network security technologies then covers the six step methodology for incident response and best practices from proactive security frameworks Later chapters cover wireless network security IP telephony security data center security and IPv6 security Finally several case studies representing small medium and large enterprises provide detailed example configurations and implementation strategies of best practices learned in earlier chapters Adopting the techniques and strategies outlined in this book enables you to prevent day zero attacks improve your overall security posture build strong policies and deploy intelligent self defending networks Within these pages you will find many practical tools both process related and technology related that you can draw on to improve your risk mitigation strategies Bruce Murphy Vice President World Wide Security Practices Cisco Omar Santos is a senior network security engineer at Cisco

Omar has designed implemented and supported numerous secure networks for Fortune 500 companies and the U S government Prior to his current role he was a technical leader within the World Wide Security Practice and the Cisco Technical Assistance Center TAC where he taught led and mentored many engineers within both organizations Guard your network with firewalls VPNs and intrusion prevention systems Control network access with AAA Enforce security policies with Cisco Network Admission Control NAC Learn how to perform risk and threat analysis Harden your network infrastructure security policies and procedures against security threats Identify and classify security threats Trace back attacks to their source Learn how to best react to security incidents Maintain visibility and control over your network with the SAVE framework Apply Defense in Depth principles to wireless networks IP telephony networks data centers and IPv6 networks 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 Category Networking Security Covers Network security and incident response Cisco ASA, PIX, and FWSM Firewall Handbook Dave Hucaby,2008 The complete guide to the most popular Cisco ASA PIX and FWSM firewall security features *Securing Your Business with Cisco ASA and PIX Firewalls* Greg Abelar,2005 Protect critical data and maintain uptime with Cisco ASDM and Cisco Security Agent Understand how attacks can impact your business and the different ways attacks can occur Learn about the defense in depth model for deploying firewall and host protection Examine navigation methods and features of Cisco ASDM Set up Cisco ASA PIX Firewall and ASDM hardware and software Use the Cisco ASDM startup wizard to safely connect your network to the Internet and securely add public devices such as mail and web servers to your network Authenticate firewall users and users of public web servers Filter traffic and protect your network from perimeter attacks Deploy Cisco Intrusion Prevention System IPS to provide more granular traffic inspection and proactive threat response Stop attacks launched at the desktop by deploying Cisco Security Agent Extend the defense in depth model to remote users through IPsec virtual private networks VPN Enhance your security posture through proper security management Understand the advanced features available in the Cisco PIX version 7 operating system Recover from software failure with Cisco PIX version 7 Many people view security as a black box voodoo technology that is very sophisticated and intimidating While that might have been true a few years ago vendors have been successful in reducing the complexity and bringing security to a point where almost anyone with a good understanding of technology can deploy network security *Securing Your Business with Cisco ASA and PIX Firewalls* is an extension of the work to simplify security deployment This easy to use guide helps you craft and deploy a defense in depth solution featuring the newly released Cisco ASA and PIX version 7 as well as Cisco Security Agent host intrusion prevention software The book simplifies configuration and management of these powerful security devices by discussing how to use Cisco Adaptive Security Device Manager ASDM which provides security management and monitoring services through an intuitive GUI with integrated online help and

intelligent wizards to simplify setup and ongoing management In addition informative real time and historical reports provide critical insight into usage trends performance baselines and security events Complete with real world security design and implementation advice this book contains everything you need to know to deploy the latest security technology in your network Securing Your Business with Cisco ASA and PIX Firewalls provides you with complete step by step processes for using Cisco ASDM in conjunction with Cisco Security Agent to ensure that your security posture is strong enough to stand up against any network or host attack whether sourced from the Internet or from inside your own network Firewalls are a critical part of any integrated network security strategy and books such as this will help raise awareness of both the threats inherent in today's open heterogeneous internetworking environments and the solutions that can be applied to make the Internet a safer place Martin E Hellman professor emeritus of Electrical Engineering Stanford University and co inventor of public key cryptography 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

Integrated Security Technologies and Solutions - Volume I Aaron Woland,Vivek Santuka,Mason Harris,Jamie Sanbower,2018-05-02 The essential reference for security pros and CCIE Security candidates policies standards infrastructure perimeter and content security and threat protection Integrated Security Technologies and Solutions Volume I offers one stop expert level instruction in security design deployment integration and support methodologies to help security professionals manage complex solutions and prepare for their CCIE exams It will help security pros succeed in their day to day jobs and also get ready for their CCIE Security written and lab exams Part of the Cisco CCIE Professional Development Series from Cisco Press it is authored by a team of CCIEs who are world class experts in their Cisco security disciplines including co creators of the CCIE Security v5 blueprint Each chapter starts with relevant theory presents configuration examples and applications and concludes with practical troubleshooting Volume 1 focuses on security policies and standards infrastructure security perimeter security Next Generation Firewall Next Generation Intrusion Prevention Systems and Adaptive Security Appliance ASA and the advanced threat protection and content security sections of the CCIE Security v5 blueprint With a strong focus on interproduct integration it also shows how to combine formerly disparate systems into a seamless coherent next generation security solution Review security standards create security policies and organize security with Cisco SAFE architecture Understand and mitigate threats to network infrastructure and protect the three planes of a network device Safeguard wireless networks and mitigate risk on Cisco WLC and access points Secure the network perimeter with Cisco Adaptive Security Appliance ASA Configure Cisco Next Generation Firewall Firepower Threat Defense FTD and operate security via Firepower Management Center FMC Detect and prevent intrusions with Cisco Next Gen IPS FTD and FMC Configure and verify Cisco IOS firewall features such as ZBFW and address translation Deploy and configure the Cisco web and email security appliances to protect content and defend against

advanced threats Implement Cisco Umbrella Secure Internet Gateway in the cloud as your first line of defense against internet threats Protect against new malware with Cisco Advanced Malware Protection and Cisco ThreatGrid *Cisco VPN Configuration Guide* Harris Andrea, 2014-07-23 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

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Cisco Asa All In One Next Generation Firewall Ips And Vpn Services 3rd Edition Introduction

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