

Step-by-Step Configuration Tutorial Using the CLI

**For Cisco®
ASA
5500 & 5500-X
v8.x & v9.x**



Cisco® ASA Firewall Fundamentals - 3rd Edition



**By: Harris Andrea
(CCNA, CCNP, CCSP)**

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Cisco Asa Firewall Fundamentals 3rd Edition Step By Step Practical Configuration Using The Cli For Asa V8x And V9x

Jazib 5459,Jazib Frahim,Omar Santos

Cisco Asa Firewall Fundamentals 3rd Edition Step By Step Practical Configuration Using The Cli For Asa V8x And V9x:

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** 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

Understanding the Cisco ASA Firewall Jimmy Larsson, 2016 This is a best practices course on how to set up manage and troubleshoot firewalls and VPNs using the Cisco ASA Adaptive Security Appliance Drawing on his 15 years of experience implementing Cisco firewalls instructor Jimmy Larsson shows you the actual hands on commands and configurations he uses in real life situations The course is targeted at first time Cisco ASA users and those with some ASA experience looking to fill the gaps in their knowledge Larsson recommends that learners have access to a Cisco firewall in order to practice the methods covered in the course Gain the practical knowledge required to set up and manage Cisco firewalls and VPNs Explore ASA hardware models CLI basics and core firewall configuration practices Acquire a thorough understanding of how network address translation works Learn basic and advanced methods for configuring the AnyConnect client VPN solution Discover how to configure manage and troubleshoot site to site VPN tunnels Understand packet capture and how to use troubleshooting tools like Packet Tracer Get exposed to advanced methods for enhancing firewall functionality Jimmy Larsson runs Secyourity AB a network security company focused on Cisco based security products and solutions He s been in IT since 1990 working for companies such as ATEA and LAN Assistans He s certified in Cisco CCNA Routing Switching CCNA Security CCNP Routing Switching CCNP Security Check Point CCSE and ISC2 CISSP in Information Security

Cisco ASA Configuration Richard Deal, 2009-08-24 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

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

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 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 [CCNA Security Portable Command Guide](#) Bob Vachon, 2012 All the CCNA Security 640-554 commands in one compact portable resource Preparing for the latest CCNA Security exam Here are all the CCNA Security commands you need in one condensed portable resource Filled with valuable easy to access information the CCNA Security Portable Command Guide is portable enough for you to use whether you're in the server room or the equipment closet Completely updated to reflect the new CCNA Security 640-554 exam this quick

reference summarizes relevant Cisco IOS Software commands keywords command arguments and associated prompts and offers tips and examples for applying these commands to real world security challenges Throughout configuration examples provide an even deeper understanding of how to use IOS to protect networks Topics covered include Networking security fundamentals concepts policies strategies and more Securing network infrastructure network foundations CCP management plane and access and data planes IPv6 IPv4 Secure connectivity VPNs cryptography IPsec and more Threat control and containment strategies ACL threat mitigation zone based firewalls and Cisco IOS IPS Securing networks with ASA ASDM basic and advanced settings and ASA SSL VPNs Bob Vachon is a professor at Cambrian College He has held CCNP certification since 2002 and has collaborated on many Cisco Networking Academy courses He was the lead author for the Academy s CCNA Security v1 1 curriculum that aligns to the Cisco IOS Network Security IINS certification exam 640 554 Access all CCNA Security commands use as a quick offline resource for research and solutions Logical how to topic groupings provide one stop research Great for review before CCNA Security certification exams Compact size makes it easy to carry with you wherever you go Create Your Own Journal section with blank lined pages allows you to personalize the book for your needs What Do You Want to Do chart inside front cover helps you to quickly reference specific tasks This book is part of the Cisco Press Certification Self Study Product Family which offers readers a self paced study routine for Cisco certification exams Titles in the Cisco Press Certification Self Study Product Family are part of a recommended learning program from Cisco that includes simulation and hands on training from authorized Cisco Learning Partners and self study products from Cisco Press

CCNP Security Firewall 642-617 Quick Reference Andrew Mason,2011

CCNP Security Firewall 642-618 Official Cert Guide Dave Hucaby,David Hucaby,Dave Garneau,Anthony Sequeira,2012 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 FIREWALL 642 618 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 FIREWALL exam 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 FIREWALL 642 618 Official Cert Guide focuses specifically on the objectives for the CCNP Security FIREWALL exam Expert networking consultants Dave Hucaby Dave Garneau and Anthony Sequeira 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 FIREWALL exam including ASA interfaces IP connectivity ASA management Recording ASA activity Address translation Access control Proxy services Traffic inspection and handling Transparent firewall mode Virtual firewalls High availability ASA service modules CCNP Security FIREWALL 642 618 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 The print edition of the CCNP Security FIREWALL 642 618 Official Cert Guide contains a free complete practice exam Also available from Cisco Press for Cisco CCNP Security study is the CCNP Security FIREWALL 642 618 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

Cisco ASA and PIX Firewall Handbook Dave Hucaby, 2005 The complete guide to the most popular Cisco PIX ASA FWSM and IOS firewall security features 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 traffic filtering user authentication content filtering application inspection and traffic shunning 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 Control access and manage activity on the Cisco IOS firewall Configure a Cisco firewall to act as an IDS sensor Every organization has data facilities and workflow processes that are critical to their success As more organizations make greater use of the Internet defending against network attacks becomes crucial for businesses Productivity gains and returns on

company investments are at risk if the network is not properly defended. Firewalls have emerged as the essential foundation component in any network security architecture. Cisco ASA and PIX Firewall Handbook is a guide for the most commonly implemented features of the popular Cisco Systems firewall security solutions. This is the first book to cover the revolutionary Cisco ASA and PIX version 7 security appliances. This book will help you quickly and easily configure, integrate, and manage the entire suite of Cisco firewall products including Cisco ASA PIX version 7 and 6.3, the Cisco IOS router firewall, 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. Shaded thumbtabs mark each section for quick reference, and each section provides information in a concise format with background, configuration, and example components. Each section also has a quick reference table of commands that you can use to troubleshoot or display information about the features presented. Appendixes present lists of well-known IP protocol numbers, ICMP message types, and IP port numbers that are supported in firewall configuration commands and provide a quick reference to the many logging messages that can be generated from a Cisco PIX, ASA, FWSM, or IOS firewall. Whether you are looking for an introduction to the firewall features of the new ASA security appliance, a guide to configuring firewalls with the new Cisco PIX version 7 operating system, or a complete reference for making the most out of your Cisco ASA, PIX, IOS, and FWSM firewall deployments, Cisco ASA and PIX Firewall Handbook 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 co-

Cisco ASA for Accidental Administrators Don R. Crawley, 2015-03-04 Cisco ASA for Accidental Administrators is a major update to the previous Accidental Administrator ASA book. This new edition is packed with 48 easy-to-follow hands-on exercises to help you build a working firewall configuration from scratch. Based on software version 9.x, it continues as the most straight-forward approach to learning how to configure the Cisco ASA Security Appliance, filled with practical tips and secrets learned from years of teaching and consulting on the ASA. There is no time wasted on boring theory. The essentials are covered in chapters on installing backups and restores, remote administration, VPNs, DMZs, usernames, transparent mode, static NAT, port address translation, access lists, DHCP, password recovery, logon banners, AAA authentication, authorization, and accounting, filtering, content, and more. Inside this concise step-by-step guide, you'll find: How to backup and restore software images and configurations; How to configure different types of VPNs, including AAA authentication; The secrets to successfully building and implementing access lists. All this information is presented in a straight-forward style that you can understand and use right away. The idea is for you to be able to sit down with your ASA and build a working configuration in a matter of minutes. Of course, some of the more advanced configs may take a little longer, but even so, you'll be able to get it

done in a minimal amount of time The accidental administrator™ : Cisco ASA security appliance ; a step-by-step configuration guide Don R. Crawley, 2010-08-03 There is a newer version of this book updated for software version 9 x and later Look for ISBN 978 0983660750 This version is appropriate for software versions 8 3 and 8 4 The Accidental Administrator Cisco ASA Step by Step Configuration Guide is packed with 56 easy to follow hands on exercises to help you build a working firewall configuration from scratch It s the most straight forward approach to learning how to configure the Cisco ASA Security Appliance filled with practical tips and secrets learned from years of teaching and consulting on the ASA There is no time wasted on boring theory The essentials are covered in chapters on installing backups and restores remote administration VPNs DMZs usernames transparent mode static NAT port address translation access lists DHCP password recovery logon banners AAA authentication authorization and accounting filtering content and more This book is based on software version 8 3 1 All this information is presented in a straightforward style that you can understand and use right away The idea is for you to be able to sit down with your ASA and build a working configuration in a matter of minutes Of course some of the more advanced configs may take a little longer but even so you ll be able to get it done in a minimal amount of time Firewall Fundamentals Wes Noonan, Ido Dubrawsky, 2006-06-02 The essential guide to understanding and using firewalls to protect personal computers and your network An easy to read introduction to the most commonly deployed network security device Understand the threats firewalls are designed to protect against Learn basic firewall architectures practical deployment scenarios and common management and troubleshooting tasks Includes configuration deployment and management checklists Increasing reliance on the Internet in both work and home environments has radically increased the vulnerability of computing systems to attack from a wide variety of threats Firewall technology continues to be the most prevalent form of protection against existing and new threats to computers and networks A full understanding of what firewalls can do how they can be deployed to maximum effect and the differences among firewall types can make the difference between continued network integrity and complete network or computer failure Firewall Fundamentals introduces readers to firewall concepts and explores various commercial and open source firewall implementations including Cisco Linksys and Linux allowing network administrators and small office home office computer users to effectively choose and configure their devices Firewall Fundamentals is written in clear and easy to understand language and helps novice users understand what firewalls are and how and where they are used It introduces various types of firewalls first conceptually and then by explaining how different firewall implementations actually work It also provides numerous implementation examples demonstrating the use of firewalls in both personal and business related scenarios and explains how a firewall should be installed and configured Additionally generic firewall troubleshooting methodologies and common management tasks are clearly defined and explained **CCNP Security Firewall 642-617 Official Cert Guide** Dave Hucaby, David Hucaby, David Garneau, Dave Garneau, Anthony Sequeira, 2011 The official study guide helps you master all the topics on the CCNP Security

Firewall exam including ASA interfaces IP connectivity ASA management Recording ASA activity Address translation Access control Proxy services Traffic inspection and handling Transparent firewall mode Virtual firewalls High availability and ASA service modules Page 4 of cover 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 **Cisco Networks for New Engineers** Victor P Henderson, 2024-12-14 CISCO NETWORKS FOR NEW ENGINEERS TECHNIQUES STRATEGIES AND TACTICS BY VICTOR P HENDERSON CERTIFIED ETHICAL HACKER ISSO TECH ENTERPRISES Master the Art of Cisco Networking From Basics to Advanced Techniques Are you ready to dive into the world of Cisco networking and jumpstart your career in IT Cisco Networks for New Engineers is the ultimate guidebook that equips you with the tools knowledge and confidence to design build and manage networks using Cisco devices Whether you are just starting out or looking to sharpen your existing skills this comprehensive book walks you through every step of the journey from foundational concepts to complex configurations This isn't just a textbook it's your tactical manual for mastering the Cisco ecosystem written by Victor P Henderson a seasoned IT security professional and Certified Ethical Hacker What You'll Learn Inside This Book Comprehensive Device Setup Step by step instructions for configuring Cisco 1900 routers SG300 managed switches ASA 5520 firewalls and 525G2 IP phones Advanced Network Design Implement VLANs for departments like IT HR and Operations while ensuring seamless communication across all layers Routing and Protocols Learn static and dynamic routing OSPF EIGRP with practical examples and clear explanations Firewall Configuration Security Protect your network with the Cisco ASA 5520 firewall Learn to configure ACLs and VPNs for secure internet access Device Interconnection Detailed instructions for wiring your network with CAT5 cables and configuring ports for IP phones workstations and wireless devices Real World Scenarios Apply your knowledge to real business environments complete with examples of routing tables and troubleshooting techniques Network Optimization Discover tips and strategies for performance tuning redundancy and load balancing Why This Book Stands Out Step by Step Configurations Clear easy to follow instructions for both beginners and experienced engineers Practical Examples No fluff just actionable content with real world use cases for enterprise networks Designed for Career Growth Whether you're preparing for Cisco certifications or seeking a career boost this book offers the tools you need to succeed Written by an Industry Expert Victor P Henderson shares practical insights drawn from years of experience as a Certified Ethical Hacker and IT consultant Who This Book Is For Aspiring Network Engineers Get the foundational knowledge to kickstart your career in networking IT Professionals Upgrade your skills and learn new Cisco IOS configurations security tactics and network management strategies Students Certification Candidates Master the essentials to pass CCNA and CCNP exams Network Administrators Discover advanced tools and techniques for troubleshooting and managing complex networks Join the Ranks of Skilled Network Engineers Today Whether you want to build a secure home lab or deploy large scale enterprise networks this book will be your go to guide With practical examples easy to follow

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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 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 **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

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