

# Implementing Advanced Cisco Asa Security

Cisco ASACisco ASACisco ASACisco ASACisco ASACisco Next-Generation Security SolutionsCisco Next-Generation Security SolutionsCCNP Security Firewall 642-617 Official Cert GuideCisco ASA Security Appliance Hands-On Training for Accidental AdministratorsUnderstanding the Cisco ASA FirewallCisco ASA Firewall Fundamentals - 3rd EditionCisco ASA, PIX, and FWSM Firewall HandbookSecuring Your Business with Cisco ASA and PIX FirewallsCisco ASA for Accidental AdministratorsCisco ASA ConfigurationThe accidental administrator™ : Cisco ASA security appliance ; a step-by-step configuration guideCisco Network SecurityCisco ASA ConfigurationCisco ASA and PIX Firewall HandbookImplementing Cisco IOS Network Security (IINS) Jazib Frahim Jazib 5459 Jazib Frahim Jazib Frahim Jazib 5459 Omar Santos Dave Hucaby Don R. Crawley Jimmy Larsson Harris Andrea David Hucaby Greg Abelar Don R. Crawley Richard Deal Don R. Crawley James Pike Richard Deal Dave Hucaby Catherine Paquet

Cisco ASA Cisco ASA Cisco ASA Cisco ASA Cisco ASA Cisco Next-Generation Security Solutions Cisco Next-Generation Security Solutions CCNP Security Firewall 642-617 Official Cert Guide Cisco ASA Security Appliance Hands-On Training for Accidental Administrators Understanding the Cisco ASA Firewall Cisco ASA Firewall Fundamentals - 3rd Edition Cisco ASA, PIX, and FWSM Firewall Handbook Securing Your Business with Cisco ASA and PIX Firewalls Cisco ASA for Accidental Administrators Cisco ASA Configuration The accidental administrator™ : Cisco ASA security appliance ; a step-by-step configuration guide Cisco Network Security Cisco ASA Configuration Cisco ASA and PIX Firewall Handbook Implementing Cisco IOS Network Security (IINS) *Jazib Frahim Jazib 5459 Jazib Frahim Jazib Frahim Jazib 5459 Omar Santos Dave Hucaby Don R. Crawley Jimmy Larsson Harris Andrea David Hucaby Greg Abelar Don R. Crawley Richard Deal Don R. Crawley James Pike Richard Deal Dave Hucaby Catherine Paquet*

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

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 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 appts via cisco cloud 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 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

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 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 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

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

this is the cisco asa security appliance student lab manual designed for use in an instructor led classroom setting it is the companion to the book cisco asa for accidental administrators includes 72 hands on exercises including password recovery building a configuration from scratch previewing commands using asdm to build a configuration analyzing the base configuration backing up and restoring configurations and software images remote logging options how to configure telnet and ssh setting up login banners remote authentication using radius kerberos and ldap site to site vpns remote access vpns configuring a dmz port scanning with nmap and transparent mode each exercise is explained in step by step detail in order to create several different firewall configurations anticipating real world scenarios

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

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 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 fwm 3 2 version firewalls

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

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

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

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

finally there's a single source for practical hands-on guidance on implementing and configuring every aspect of cisco network security including pix firewalls ipsec and intrusion detection cisco network security covers virtually every topic that cisco covers in its 2200 network security course but with greater detail and more reference material leading network security consultant james pike offers step by step guidance for implementing and configuring every key cisco security product the first book to provide start to finish coverage of working with cisco's market leading pix firewalls cisco network security also provides hands-on practical information on deploying ipsec that contrasts with the theoretical discussions found in some competitive books coverage also includes installing and configuring cisco's secure ids net ranger intrusion detection tools performing vulnerability scanning with cisco secure scanner and controlling access with cisco secure access control system for all cisco technical professionals who are responsible for network security including system and network administrators intermediate to senior level network technicians and technical managers

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

the complete guide to the most popular cisco pix asa fwsn 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 fwsn 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

implementing cisco ios network security iins is a cisco authorized self paced learning tool for ccna security foundation learning this book provides you with the knowledge needed to secure cisco routers and switches and their associated networks by reading this book you will gain a thorough understanding of how to troubleshoot and monitor network devices to maintain integrity confidentiality and availability of data and devices as well as the technologies that cisco uses in its security infrastructure this book focuses on the necessity of a comprehensive security policy and how it affects the posture of the network you will learn how to perform basic tasks to secure a small branch type office network using cisco ios security features available through the cisco router and security device manager sdm web based graphical user interface gui and through the command line interface cli on cisco routers and switches the author also provides when appropriate parallels with cisco asa appliances whether you are preparing for ccna security certification or simply want to gain a better understanding of cisco ios security fundamentals you will benefit from the information provided in this book implementing cisco ios network security iins 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 cisco com go authorizedtraining develop a comprehensive network security policy to counter threats against information security configure routers on the network perimeter with cisco ios software security features configure firewall features including acls and cisco ios zone based policy firewalls to perform basic security operations on a network configure site to site vpns using cisco ios features configure ips on cisco network routers configure lan devices to control access resist attacks shield other network devices and systems and protect the integrity and confidentiality of network traffic this volume is in the certification self study series offered by cisco press books in this series provide officially developed self study solutions to help networking professionals understand technology implementations and prepare for the cisco career certifications examinations

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