

Introduction to Email Security

In this chapter, you will learn the following:

- Brief overview of the Cisco IronPort Email Security products
- A history of the AsyncOS software releases that run the Email Security Appliances
- Basic topics of Internet email, focusing on the Simple Mail Transfer Protocol
- Definition of email security and overview of the threat landscape

Overview of Cisco IronPort Email Security Appliance (ESA)

The Cisco IronPort Email Security Appliance (ESA) family was launched in 2003. IronPort Systems, then an independent security company, created ESA as a self-contained hardware and software product to provide high-performance email security. The goal was to provide a single product that accepted, filtered, and delivered Internet email messages, and to do so reliably and quickly. Initially, the ESA provided basic message features along with filtering for spam and virus messages, but subsequent releases have dramatically expanded the range of capabilities.

ESA was certainly not the first system that performed virus or spam filtering for email messages. Bulk Unsolicited Commercial Internet email (UCE, the technical term for *spam* email) has been around almost as long as Internet email itself. It was one of the first, however, to combine these features into a single product, and to do so on a purpose-built platform with extremely high performance. Prior to the introduction of messaging appliances, typical email architectures included multiple layers of filtering, either as separate products running in series or as filtering products that *plugged in* to messaging servers. These multilayer designs used either proprietary application programming interfaces (API) for moving message contents or used Simple Mail Transfer Protocol (SMTP)

Email Security With Cisco Ironport Networking Technology Security

Troy McMillan



Email Security With Cisco Ironport Networking Technology Security:

Email Security with Cisco IronPort Chris Porter, 2012-04-12 Email Security with Cisco IronPort thoroughly illuminates the security and performance challenges associated with today's messaging environments and shows you how to systematically anticipate and respond to them using Cisco's IronPort Email Security Appliance (ESA). Going far beyond any IronPort user guide, leading Cisco expert Chris Porter shows you how to use IronPort to construct a robust, secure, high-performance email architecture that can resist future attacks. Email Security with Cisco IronPort presents specific, proven architecture recommendations for deploying IronPort ESAs in diverse environments to optimize reliability and automatically handle failure. The author offers specific recipes for solving a wide range of messaging security problems and he demonstrates how to use both basic and advanced features, including several hidden and undocumented commands. The author addresses issues ranging from directory integration to performance monitoring and optimization and he offers powerful insights into often ignored email security issues such as preventing bounce blowback. Throughout, he illustrates his solutions with detailed examples demonstrating how to control ESA configuration through each available interface. Chris Porter, Technical Solutions Architect at Cisco, focuses on the technical aspects of Cisco IronPort customer engagements. He has more than 12 years of experience in applications, computing, and security in finance, government, Fortune 1000, entertainment, and higher education markets. Understand how the Cisco IronPort ESA addresses the key challenges of email security. Select the best network deployment model for your environment and walk through successful installation and configuration. Configure and optimize Cisco IronPort ESA's powerful security message and content filtering. Understand the email pipeline so you can take full advantage of it and troubleshoot problems if they occur. Efficiently control Cisco IronPort ESA through its Web User Interface (WUI) and command-line interface (CLI). Implement reporting, monitoring, logging, and file management. Integrate Cisco IronPort ESA and your mail policies with LDAP directories such as Microsoft Active Directory. Automate and simplify email security administration. Deploy multiple Cisco IronPort ESAs and advanced network configurations. Prepare for emerging shifts in enterprise email usage and new security challenges. 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.

Implementing Cisco IOS Network Security (IINS 640-554) Foundation Learning Guide Catherine Paquet, 2012-11-29 Implementing Cisco IOS Network Security IINS Foundation Learning Guide, Second Edition, Foundation learning for the CCNA Security IINS 640-554 exam. Implementing Cisco IOS Network Security IINS Foundation Learning Guide, Second Edition, is a Cisco authorized self-paced learning tool for CCNA Security 640-554 foundation learning. This book provides you with the knowledge needed to secure Cisco networks. By reading this book, you will gain a thorough understanding of how to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate

security threats This book focuses on using Cisco IOS routers to protect the network by capitalizing on their advanced features as a perimeter router firewall intrusion prevention system and site to site VPN device The book also covers the use of Cisco Catalyst switches for basic network security the Cisco Secure Access Control System ACS and the Cisco Adaptive Security Appliance ASA You learn how to perform basic tasks to secure a small branch office network using Cisco IOS security features available through web based GUIs Cisco Configuration Professional and the CLI on Cisco routers switches and ASAs 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 Foundation Learning Guide Second Edition 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 Develop a comprehensive network security policy to counter threats against information security Secure borderless networks Learn how to use Cisco IOS Network Foundation Protection NFP and Cisco Configuration Professional CCP Securely implement the management and reporting features of Cisco IOS devices Deploy Cisco Catalyst Switch security features Understand IPv6 security features Plan threat control strategies Filter traffic with access control lists Configure ASA and Cisco IOS zone based firewalls Implement intrusion prevention systems IPS and network address translation NAT Secure connectivity with site to site IPsec VPNs and remote access VPNs This volume is in the Foundation Learning Guide Series offered by Cisco Press These guides are developed together with Cisco as the only authorized self paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams Category Cisco Certification Covers CCNA Security IINS exam 640 554

CCNA Security Study Guide Tim Boyles, 2010-06-29 A complete study guide for the new CCNA Security certification exam In keeping with its status as the leading publisher of CCNA study guides Sybex introduces the complete guide to the new CCNA security exam The CCNA Security certification is the first step towards Cisco's new Cisco Certified Security Professional CCSP and Cisco Certified Internetworking Engineer Security CCNA Security Study Guide fully covers every exam objective The companion CD includes the Sybex Test Engine flashcards and a PDF of the book The CCNA Security certification is the first step toward Cisco's new CCSP and Cisco Certified Internetworking Engineer Security Describes security threats facing modern network infrastructures and how to mitigate threats to Cisco routers and networks using ACLs Explores implementing AAA on Cisco routers and secure network management and reporting Shows how to implement Cisco IOS firewall and IPS feature sets plus site to site VPNs using SDM CD includes the Sybex Test Engine flashcards and the book in PDF format With hands on labs and end of chapter reviews CCNA Security Study Guide thoroughly prepares you for certification Note CD ROM DVD and other supplementary materials are not included as part of eBook file [CCNA](#)

Security Study Guide Troy McMillan, 2018-01-05 Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020, to complete your current CCNA. If you already have CCENT, ICND1 certification and would like to earn CCNA, you have until February 23, 2020, to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT, ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020.

Lay the foundation for a successful career in network security. CCNA Security Study Guide offers comprehensive review for Exam 210-260. Packed with concise explanations of core security concepts, this book is designed to help you successfully prepare for the exam. Expert instruction guides you through critical concepts relating to secure network infrastructure, access management, VPN encryption, Firewalls, intrusion prevention, and more, with complete coverage of the CCNA exam objectives. Practical examples allow you to apply your skills in real-world scenarios, helping you transition effectively from learning to doing. You also get access to the Sybex online learning environment, featuring the tools you need to maximize your study time. Key terminology and flash cards allow you to study anytime, anywhere, while chapter tests and practice exams help you track your progress and gauge your readiness along the way. The CCNA Security certification tests your knowledge of secure network installation, monitoring, and troubleshooting using Cisco security hardware and software solutions. When you're ready to get serious about preparing for the exam, this book gives you the advantage of complete coverage, real-world application, and extensive learning aids to help you pass with confidence. Master Cisco security essentials, standards, and core technologies. Work through practical examples drawn from real-world examples. Track your progress with online study aids and self-tests. Develop critical competencies in maintaining data integrity, confidentiality, and availability. Earning your CCNA Security certification validates your abilities in areas that define careers including network security administrator and network security support engineer. With data threats continuing to mount, the demand for this skill set will only continue to grow, and in an employer's eyes, a CCNA certification makes you a true professional. CCNA Security Study Guide is the ideal preparation resource for candidates looking to not only pass the exam but also succeed in the field.

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quality questions Perhaps you've encountered online answers that lack clarity reasoning or proper citations We understand your frustration and our 350 701 certification prep is designed to change that Our 350 701 question bank is more than just a brain dump it's a comprehensive study companion focused on deep understanding not rote memorization With over 640 expertly curated practice questions you get 1 Question Bank Suggested Answers Learn the rationale behind each correct choice 2 Summary of Internet Discussions Gain insights from online conversations that break down complex topics 3 AI Recommended Answers with Full Reasoning and Citations Trust in clear accurate explanations powered by AI backed by reliable references Your Path to Certification Success This isn't just another study guide it's a complete learning tool designed to empower you to grasp the core concepts of CCNP Security Our practice questions prepare you for every aspect of the 350 701 exam ensuring you're ready to excel Say goodbye to confusion and hello to a confident in depth understanding that will not only get you certified but also help you succeed long after the exam is over Start your journey to mastering the CISCO Certified CCNP Security certification today with our 350 701 question bank Learn more CISCO Certified CCNP Security <https://www.cisco.com/site/us/en/learn/training/certifications/exams/scor.html> *Implementing Cisco IOS Network Security (IINS)* Catherine Paquet, 2009-04-14 *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 www.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 Dataquest ,2006 **LexisNexis Corporate Affiliations** ,2004 **The Advertising Red Books** ,2010 **Security Monitoring with Cisco Security MARS** Gary Halleen,Greg Kellogg,2007-07-06 Cisco Security Monitoring Analysis and Response System MARS is a next generation Security Threat Mitigation system STM Cisco Security MARS receives raw network and security data and performs correlation and investigation of host and network information to provide you with actionable intelligence This easy to use family of threat mitigation appliances enables you to centralize detect mitigate and report on priority threats by leveraging the network and security devices already deployed in a network even if the devices are from multiple vendors Security Monitoring with Cisco Security MARS helps you plan a MARS deployment and learn the installation and administration tasks you can expect to face Additionally this book teaches you how to use the advanced features of the product such as the custom parser Network Admission Control NAC and global controller operations Through the use of real world deployment examples this book leads you through all the steps necessary for proper design and sizing installation and troubleshooting forensic analysis of security events report creation and archiving and integration of the appliance with Cisco and third party vulnerability assessment tools Learn the differences between various log aggregation and correlation systems Examine regulatory and industry requirements Evaluate various deployment scenarios Properly size your deployment Protect the Cisco Security MARS appliance from attack Generate reports archive data and implement disaster recovery plans Investigate incidents when Cisco Security MARS detects an attack Troubleshoot Cisco Security MARS operation Integrate Cisco Security MARS with Cisco Security Manager NAC and third party devices Manage groups of MARS controllers with global controller operations 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 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 The Cook Report on Internet, NREN. ,2004 **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 NAC Appliance Jamey Heary, Jerry Lin, Chad Sullivan, Alok Agrawal, 2007-08-06 Cisco NAC Appliance Enforcing Host Security with Clean Access Authenticate inspect remediate and authorize end point devices using Cisco NAC Appliance Jamey Heary CCIE No 7680 Contributing authors Jerry Lin CCIE No 6469 Chad Sullivan CCIE No 6493 and Alok Agrawal With today's security challenges and threats growing more sophisticated perimeter defense alone is no longer sufficient Few organizations are closed entities with well defined security perimeters which has led to the creation of perimeterless networks with ubiquitous access Organizations need to have internal security systems that are more comprehensive pervasive and tightly integrated than in the past Cisco Network Admission Control NAC Appliance formerly known as Cisco Clean Access provides a powerful host security policy inspection enforcement and remediation solution that is designed to meet these new challenges Cisco NAC Appliance allows you to enforce host security policies on all hosts managed and unmanaged as they enter the interior of the network regardless of their access method ownership device type application set or operating system Cisco NAC Appliance provides proactive protection at the network entry point Cisco NAC Appliance provides you with all the information needed to understand design configure deploy and troubleshoot the Cisco NAC Appliance solution You will learn about all aspects of the NAC Appliance solution including configuration and best practices for design implementation troubleshooting and creating a host security policy Jamey Heary CCIE No 7680 is a security consulting systems engineer at Cisco where he works with its largest customers in the northwest United States Jamey joined Cisco in 2000 and currently leads its Western Security Asset team and is a field advisor for its U S Security Virtual team His areas of expertise include network and host security design and implementation security regulatory compliance and routing and switching His other certifications include CISSP CCSP and Microsoft MCSE He is also a Certified HIPAA Security Professional He has been working in the IT field for 13 years and in IT security for 9 years Understand why network attacks and intellectual property losses can originate from internal network hosts Examine different NAC Appliance design options Build host security policies and assign the appropriate network access privileges for various user roles Streamline the enforcement of existing security policies with the concrete measures NAC Appliance can provide Set up and configure the NAC Appliance solution Learn best practices for the deployment of NAC

Appliance Monitor maintain and troubleshoot the Cisco NAC Appliance solution 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 Cisco Press Security Covers End Point Security **Cisco Secure Internet Security Solutions** Andrew G. Mason, Mark J. Newcomb, 2001

Annotation Essential security strategies using Cisco's complete solution to network security The only book to cover interoperability among the Cisco Secure product family to provide the holistic approach to Internet security The first book to provide Cisco proactive solutions to common Internet threats A source of industry ready pre built configurations for the Cisco Secure product range Cisco Systems strives to help customers build secure internetworks through network design featuring its Cisco Secure product family At present no available publication deals with Internet security from a Cisco perspective Cisco Secure Internet Security Solutions covers the basics of Internet security and then concentrates on each member of the Cisco Secure product family providing a rich explanation with examples of the preferred configurations required for securing Internet connections The Cisco Secure PIX Firewall is covered in depth from an architectural point of view to provide a reference of the PIX commands and their use in the real world Although Cisco Secure Internet Security Solutions is concerned with Internet security it is also viable to use in general network security scenarios Andrew Mason is the CEO of Mason Technologies Limited a Cisco Premier Partner in the U K whose main business is delivered through Cisco consultancy focusing on Internet security Andrew has hands on experience of the Cisco Secure product family with numerous clients ranging from ISPs to large financial organizations Currently Andrew is leading a project to design and implement the most secure ISP network in Europe Andrew holds the Cisco CCNP and CCDP certifications Mark Newcomb is currently a consulting engineer at Aurora Consulting Group in Spokane Washington Mark holds CCNP and CCDP certifications Mark has 4 years experience working with network security issues and a total of over 20 years experience within the networking industry Mark is a frequent contributor and reviewer for books by Cisco Press McGraw Hill Coriolis New Riders and Macmillan Technical Publishing *Study Guide for the Cisco 300-720 SESA: Securing Email with Cisco Email Security Appliance Exam* Anand Vemula, The Cisco Email Security Appliance ESA is a robust solution designed to protect organizations from email based threats such as spam phishing viruses and data loss The ESA integrates multiple security layers including advanced anti spam engines virus scanning with multiple antivirus engines outbreak filters for zero day threats and powerful content and attachment filtering capabilities It supports email authentication protocols like SPF DKIM and DMARC to prevent email spoofing and phishing attacks Cisco ESA also provides encryption options including TLS and Cisco Registered Envelope Service CRES ensuring secure email transmission Administrators can manage ESA through an intuitive web GUI or CLI with role based access control to secure administrative operations ESA supports LDAP integration for user authentication and recipient validation which is essential in enforcing policies and managing quarantines Quarantine

management is flexible allowing centralized or local configurations with customizable notification templates and user self service portals Mail flow within ESA is controlled using SMTP routes Host Access Tables HAT and Recipient Access Tables RAT allowing fine grained control over inbound and outbound email traffic High availability features ensure continuous service with cluster configurations backups and configuration rollback options Logging reporting and troubleshooting tools provide deep insight into email traffic and security events aiding administrators in maintaining optimal protection and compliance with industry standards Overall Cisco ESA is a comprehensive platform that balances security flexibility and manageability making it a critical component in modern email security infrastructure

The Business Case for Network Security Catherine Paquet, Warren Saxe, 2004-12-13 Understand the total cost of ownership and return on investment for network security solutions Understand what motivates hackers and how to classify threats Learn how to recognize common vulnerabilities and common types of attacks Examine modern day security systems devices and mitigation techniques Integrate policies and personnel with security equipment to effectively lessen security risks Analyze the greater implications of security breaches facing corporations and executives today Understand the governance aspects of network security to help implement a climate of change throughout your organization Learn how to quantify your organization's aversion to risk Quantify the hard costs of attacks versus the cost of security technology investment to determine ROI Learn the essential elements of security policy development and how to continually assess security needs and vulnerabilities The Business Case for Network Security Advocacy Governance and ROI addresses the needs of networking professionals and business executives who seek to assess their organization's risks and objectively quantify both costs and cost savings related to network security technology investments This book covers the latest topics in network attacks and security It includes a detailed security minded examination of return on investment ROI and associated financial methodologies that yield both objective and subjective data The book also introduces and explores the concept of return on prevention ROP and discusses the greater implications currently facing corporations including governance and the fundamental importance of security for senior executives and the board Making technical issues accessible this book presents an overview of security technologies that uses a holistic and objective model to quantify issues such as ROI total cost of ownership TCO and risk tolerance This book explores capital expenditures and fixed and variable costs such as maintenance and upgrades to determine a realistic TCO figure which in turn is used as the foundation in calculating ROI The importance of security policies addressing such issues as Internet usage remote access usage and incident reporting is also discussed acknowledging that the most comprehensive security equipment will not protect an organization if it is poorly configured implemented or used Quick reference sheets and worksheets included in the appendixes provide technology reviews and allow financial modeling exercises to be performed easily An essential IT security investing tool written from a business management perspective The Business Case for Network Security Advocacy Governance and ROI helps you determine the effective ROP for your business

This volume is in the Network Business Series offered by Cisco Press Books in this series provide IT executives decision makers and networking professionals with pertinent information about today s most important technologies and business strategies

Securing the Borderless Network Tom Gillis,2010 Indispensable security techniques for today s latest Web 2 0 virtualization mobility and collaboration applications Identifies new security risks intrinsic to today s most important new collaboration technologies and offers specific solutions for addressing them Presents examples and real world case studies showing how to secure today s perimeter less networks Demonstrates how to secure the network while still enabling users to leverage the power of new collaborative technologies Today s new Web 2 0 virtualization mobility telepresence and collaborative applications offer immense potential for business advantage However they also introduce daunting new security issues many of which are already being exploited by hackers crackers and other cybercriminals Secure Collaboration is the first book entirely focused on understanding managing and mitigating the security risks associated with today s new collaborative technologies It brings together systematic up to the minute decision making and technical guidance for companies of all sizes specific information techniques and best practices for protecting today s new systems without compromising their business benefits Cisco security technology expert Tom Gillis guides reader through several common collaborative scenarios from Cisco Webex conferencing to social networking and ERP usage For each he systematically identifies new and emerging security risks and presents proven best practice responses ranging from revised Acceptable Use and Data Loss Prevention policies to technology solutions The book s extensive high level coverage of technology solutions covers Cisco offerings for managing identity and for securing networks contents endpoints applications and more Gillis concludes with a preview of Web 3 0 and what it will take to secure those applications too

Security Threat Mitigation and Response Dale Tesch,Greg Abelar,2007 Identify manage and counter security threats with the Cisco Security Monitoring Analysis and Response System Dale Tesch Greg Abelar While it is commonly understood that deploying network security devices is critical to the well being of an organization s systems and data all too often companies assume that simply having these devices is enough to maintain the integrity of network resources To really provide effective protection for their networks organizations need to take the next step by closely examining network infrastructure host application and security events to determine if an attack has exploited devices on their networks Cisco Security Monitoring Analysis and Response System Cisco Security MARS complements network and security infrastructure investment by delivering a security command and control solution that is easy to deploy easy to use and cost effective Cisco Security MARS fortifies deployed network devices and security countermeasures empowering you to readily identify manage and eliminate network attacks and maintain compliance Security Threat Mitigation and Response helps you understand this powerful new security paradigm that reduces your security risks and helps you comply with new data privacy standards This book clearly presents the advantages of moving from a security reporting system to an all inclusive security and network threat recognition and

mitigation system You will learn how Cisco Security MARS works what the potential return on investment is for deploying Cisco Security MARS and how to set up and configure Cisco Security MARS in your network Dealing with gigantic amounts of disparate data is the next big challenge in computer security if you re a Cisco Security MARS user this book is what you ve been looking for Marcus J Ranum Chief of Security Tenable Security Inc Dale Tesch is a product sales specialist for the Cisco Security MARS product line for the Cisco Systems United States AT Security team Dale came to Cisco Systems through the acquisition of Protego Networks in February 2005 Since then he has had the primary responsibilities of training the Cisco sales and engineering team on SIM systems and Cisco Security MARS and for providing advanced sales support to Cisco customers Greg Abelar has been an employee of Cisco Systems since December 1996 He was an original member of the Cisco Technical Assistance Security team helping to hire and train many of the team s engineers He has held various positions in both the Security Architecture and Security Technical Marketing Engineering teams at Cisco Understand how to protect your network with a defense in depth strategy Examine real world examples of cost savings realized by Cisco Security MARS deployments Evaluate the technology that underpins the Cisco Security MARS appliance Set up and configure Cisco Security MARS devices and customize them for your environment Configure Cisco Security MARS to communicate with your existing hosts servers network devices security appliances and other devices in your network Investigate reported threats and use predefined reports and queries to get additional information about events and devices in your network Use custom reports and custom queries to generate device and event information about your network and security events Learn firsthand from real world customer stories how Cisco Security MARS has thwarted network attacks 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 Cisco Press Security Covers Security Threat Mitigation **Network Security with NetFlow and IPFIX** Omar Santos,2016

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