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IPSec IPSec VPN Design IPSec A Technical Guide to IPSec Virtual Private Networks Guide to IPSec VPNs Implementing IPSec Guide to IPSec VPNs Guide to IPSec VPNs IKEv2 IPSec Virtual Private Networks Guide to Isec Vpns Network Security Principles and Practices Cisco Secure Virtual Private Networks VPNs Illustrated Ssl Vpn Building VPNs IPSec Virtual Private Network Fundamentals Ip Sec Securing Vpns IPSec VPN Design CCSP: Secure PIX and Secure VPN Study Guide Mastering OpenVPN Mastering Isec IPSec/VPN Security Policy Engineering SSL Remote Access VPNs (Network Security) Juniper SRX Series Theoretical and Mathematical Foundations of Computer Science IPSec Virtual Private Network Fundamentals Guide to IPSec VPNs VPNs Illustrated VPNs CCSP Self-Study Guide to Ssl Vpns Virtual Private Networks MPLS VPN Security Virtual Private Networks Synchronizing Internet Protocol Security (IPSec) NIST Special Publication 800-77 Guide to IPSec VPNs Network Security Assessment CCNP Security VPN 642-648 Official Cert Guide CCSP Cisco Secure VPN Exam Certification Guide The InfoSec Handbook

IPSec 2001 see

IPSec VPN Design 2005-03-29 the definitive design and deployment guide for secure virtual private networks learn about ipsec protocols and cisco ios ipsec packet processing understand the differences between ipsec tunnel mode and transport mode evaluate the ipsec features that improve vpn scalability and fault tolerance such as dead peer detection and control plane keepalives overcome the challenges of working with nat and pmtud explore ipsec remote access features including extended authentication mode configuration and digital certificates examine the pros and cons of various ipsec connection models such as native ipsec gre and remote access apply fault tolerance methods to ipsec vpn designs employ mechanisms to alleviate the configuration complexity of a large scale ipsec vpn including tunnel end point discovery ted and dynamic multipoint vpns dmvpn add services to ipsec vpns including voice and multicast understand how network based vpns operate and how to integrate ipsec vpns with mpls vpns among the many functions that networking technologies permit is the ability for organizations to easily and securely communicate with branch offices mobile users telecommuters and business partners such connectivity is now vital to maintaining a competitive level of business productivity although several technologies exist that can enable interconnectivity among business sites internet based virtual private networks vpns have evolved as the most effective means to link corporate network resources to remote employees offices and mobile workers vpns provide productivity enhancements efficient and convenient remote access to network resources site to site connectivity a high level of security and tremendous cost savings ipsec vpn design is the first book to present a detailed examination of the design aspects of ipsec protocols that enable secure vpn communication divided into three parts the book provides a solid understanding of design and architectural issues of large scale secure vpn solutions part i includes a comprehensive introduction to the general architecture of ipsec including its protocols and cisco ios ipsec implementation details part ii examines ipsec vpn design principles covering hub and spoke full mesh and fault tolerant designs this part of the book also covers dynamic configuration models used to simplify ipsec vpn designs part iii addresses design issues in adding services to an ipsec vpn such as voice and multicast this part of the book also shows you how to effectively integrate ipsec vpns with mpls vpns ipsec vpn design provides you with the field tested design and configuration advice to help you deploy an effective and secure vpn solution in any environment this security book is part of the cisco press networking technology series security titles from cisco press help networking professionals secure critical data and resources prevent and mitigate network attacks and build end to end self defending networks

IPSec 2003 ipsec second edition is the most authoritative comprehensive accessible and up to date guide to ipsec technology two leading authorities

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cover all facets of ipsec architecture implementation and deployment review important technical advances since ipsec was first standardized and present new case studies demonstrating end to end ipsec security new coverage also includes in depth guidance on policies updates on ipsec enhancements for large scale enterprise environments and much more

A Technical Guide to IPSec Virtual Private Networks 2017-07-27 what is ipsec what s a vpn why do the need each other virtual private network vpn has become one of the most recognized terms in our industry yet there continuously seems to be different impressions of what vpns really are and can become a technical guide to ipsec virtual private networks provides a single point of information that represent

Guide to IPsec VPNs 2005-12-30 release date december 2005 ipsec is a framework of open standards for ensuring private communications over public networks it has become the most common network layer security control typically used to create a virtual private network vpn a vpn is a virtual network built on top of existing physical networks that can provide a secure communications mechanism for data and control information transmitted between networks vpns are used most often to protect communications carried over public networks such as the internet a vpn can provide several types of data protection including confidentiality integrity data origin authentication replay protection and access control why buy a book you can download for free first you gotta find it and make sure it s the latest version not always easy then you gotta print it using a network printer you share with 100 other people and its outta paper and the toner is low take out the toner cartridge shake it then put it back if it s just 10 pages no problem but if it s a 250 page book you will need to punch 3 holes in all those pages and put it in a 3 ring binder takes at least an hour an engineer that s paid 75 an hour has to do this himself who has assistant s anymore if you are paid more than 10 an hour and use an ink jet printer buying this book will save you money it s much more cost effective to just order the latest version from amazon com this public domain material is published by 4th watch books we publish tightly bound full size books at 8 1 2 by 11 inches with glossy covers 4th watch books is a service disabled veteran owned small business sdvosb and is not affiliated with the national institute of standards and technology for more titles published by 4th watch please visit cybah webplus net a full copy of all the pertinent cybersecurity standards is available on dvd rom in the cybersecurity standards library disc which is available at amazon com gsa p 100 facilities standards for the public buildings service gsa p 120 cost and schedule management policy requirements gsa p 140 child care center design guide gsa standard level features and finishes for u s courts facilities gsa courtroom technology manual nist sp 500 299 nist cloud computing security reference architecture nist sp 500 291 nist cloud computing standards roadmap version 2 nist sp 500 293 us government cloud computing technology roadmap

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volume 1 2 nist sp 500 293 us government cloud computing technology roadmap
volume 3 draft nist sp 1800 8 securing wireless infusion pumps nistir 7497
security architecture design process for health information exchanges hies nist
sp 800 66 implementing the health insurance portability and accountability act
hipaa security rule nist sp 1800 1 securing electronic health records on mobile
devices nist sp 800 177 trustworthy email nist sp 800 184 guide for
cybersecurity event recovery nist sp 800 190 application container security
guide nist sp 800 193 platform firmware resiliency guidelines nist sp 1800 1
securing electronic health records on mobile devices nist sp 1800 2 identity and
access management for electric utilities nist sp 1800 5 it asset management
financial services nist sp 1800 6 domain name systems based electronic mail
security nist sp 1800 7 situational awareness for electric utilities dod medical
space planning criteria fars federal acquisitions regulation dfars defense federal
acquisitions regulations supplement

Implementing IPsec 1999-09-21 how do you secure your ip network without
destroying it the ipsec protocols are the only viable standard for secure network
layer transmission on ip yet they can wreak havoc on critical applications and
other enhanced network services interoperability problems between vendors as
well as limitations in the basic technology can cause problems that range from
annoying to disastrous this book tells you how ipsec works or doesn't work with
other technologies describes how to select products that will meet your needs
and discusses legal issues critical to ipsec deployment this hands on guide will
help you to analyze how and why ipsec may break existing networks combine
ipsec with other enhanced ip services and applications determine the causes of
ipsec performance problems and protocol conflicts understand how existing laws
and regulatory trends may impact your use of ipsec products understand the
basic technological components of ipsec evaluate ipsec vendors and products
networking council networking council books put technology into perspective for
decision makers who need an implementation strategy a vendor and outsourcing
strategy and a product and design strategy series advisors are four of the most
influential leaders of the networking community lyman chapin chief scientist at
bbn gte and founding trustee of the internet society scott bradner director of the
harvard university network device test lab trustee of the internet society and
isoc vp of standards vinton cerf senior vice president at mci worldcom and
current chair of the internet society ed kozel senior vp for corporate
development at cisco systems and member of the board of directors visit our site
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networkingcouncil

Guide to IPsec VPNs 2006-09-01 ipsec is a framework of open standards for
ensuring private communications over public networks it has become the most
common network layer security control typically used to create a virtual private
network vpn a vpn is a virtual network built on top of existing physical networks

that can provide a secure communications mechanism for data control
information transmitted between networks vpns are used most often to protect
communications carried over public networks such as the internet contents of
this guide network layer security ipsec fundamentals ipsec planning
implementation alternatives to ipsec planning implementation case studies
future directions illustrations

Guide to IPsec VPNs 2020 internet protocol security ipsec is a widely used
network layer security control for protecting communications ipsec is a
framework of open standards for ensuring private communications over internet
protocol ip networks ipsec configuration is usually performed using the internet
key exchange ike protocol this publication provides practical guidance to
organizations on implementing security services based on ipsec so that they can
mitigate the risks associated with transmitting sensitive information across
networks the document focuses on how ipsec provides network layer security
services and how organizations can implement ipsec and ike to provide security
under different circumstances it also describes alternatives to ipsec and
discusses under what circumstances each alternative may be appropriate
IKEv2 IPsec Virtual Private Networks 2016-08-10 create and manage highly
secure ipsec vpns with ikev2 and cisco flexvpn the ikev2 protocol significantly
improves vpn security and cisco s flexvpn offers a unified paradigm and
command line interface for taking full advantage of it simple and modular
flexvpn relies extensively on tunnel interfaces while maximizing compatibility
with legacy vpns now two cisco network security experts offer a complete easy
tounderstand and practical introduction to ikev2 modern ipsec vpns and flexvpn
the authors explain each key concept and then guide you through all facets of
flexvpn planning deployment migration configuration administration
troubleshooting and optimization you ll discover how ikev2 improves on ikev1
master key ikev2 features and learn how to apply them with cisco flexvpn ikev2
ipsec virtual private networks offers practical design examples for many
common scenarios addressing ipv4 and ipv6 servers clients nat pre shared keys
resiliency overhead and more if you re a network engineer architect security
specialist or vpn administrator you ll find all the knowledge you need to protect
your organization with ikev2 and flexvpn understand ikev2 improvements anti
ddos cookies configuration payloads acknowledged responses and more
implement modern secure vpns with cisco ios and ios xe plan and deploy ikev2 in
diverse real world environments configure ikev2 proposals policies profiles
keyrings and authorization use advanced ikev2 features including sgt
transportation and ikev2 fragmentation understand flexvpn its tunnel interface
types and ios aaa infrastructure implement flexvpn server with eap
authentication pre shared keys and digital signatures deploy configure and
customize flexvpn clients configure manage and troubleshoot the flexvpn load
balancer improve flexvpn resiliency with dynamic tunnel source backup peers

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and backup tunnels monitor ipsec vpns with aaa snmp and syslog troubleshoot connectivity tunnel creation authentication authorization data encapsulation data encryption and overlay routing calculate ipsec overhead and fragmentation plan your ikev2 migration hardware vpn technologies routing restrictions capacity pki authentication availability and more

Guide to Ipsec Vpns 2005-12-31 this publication seeks to assist organizations in mitigating the risks associated with the transmission of sensitive information across networks by providing practical guidance on implementing security services based on internet protocol security ipsec

Network Security Principles and Practices 2003 expert solutions for securing network infrastructures and vpns bull build security into the network by defining zones implementing secure routing protocol designs and building safe lan switching environments understand the inner workings of the cisco pix firewall and analyze in depth cisco pix firewall and cisco ios firewall features and concepts understand what vpns are and how they are implemented with protocols such as gre l2tp and ipsec gain a packet level understanding of the ipsec suite of protocols its associated encryption and hashing functions and authentication techniques learn how network attacks can be categorized and how the cisco ids is designed and can be set upto protect against them control network access by learning how aaa fits into the cisco security model and by implementing radius and tacacs protocols provision service provider security using acls nbar and car to identify and control attacks identify and resolve common implementation failures by evaluating real world troubleshooting scenarios as organizations increase their dependence on networks for core business processes and increase access to remote sites and mobile workers via virtual private networks vpns network security becomes more and more critical in today s networked era information is an organization s most valuable resource lack of customer partner and employee access to e commerce and data servers can impact both revenue and productivity even so most networks do not have the proper degree of security network security principles and practices provides an in depth understanding of the policies products and expertise that brings organization to this extremely complex topic and boosts your confidence in the performance and integrity of your network systems and services written by a ccie engineer who participated in the development of the ccie security exams network security principles and practices is the first book that provides a comprehensive review of topics important to achieving ccie security certification network security principles and practices is a comprehensive guide to network security threats and the policies and tools developed specifically to combat those threats taking a practical applied approach to building security into networks the book shows you how to build secure network architectures from the ground up security aspects of routing protocols layer 2 threats and switch security features are all analyzed a comprehensive treatment of vpns and ipsec is

presented in extensive packet by packet detail the book takes a behind the scenes look at how the cisco pix r firewall actually works presenting many difficult to understand and new cisco pix firewall and cisco iosreg firewall concepts the book launches into a discussion of intrusion detection systems ids by analyzing and breaking down modern day network attacks describing how an ids deals with those threats in general and elaborating on the cisco implementation of ids the book also discusses aaa radius and tacacs and their usage with some of the newer security implementations such as vpns and proxy authentication a complete section devoted to service provider techniques for enhancing customer security and providing support in the event of an attack is also included finally the book concludes with a section dedicated to discussing tried and tested troubleshooting tools and techniques that are not only invaluable to candidates working toward their ccie security lab exam but also to the security network administrator running the operations of a network on a daily basis

Cisco Secure Virtual Private Networks 2002 based on the official instructor led training course of the same name in a self study product cisco secure virtual private networks is a comprehensive results oriented book designed to give readers the knowledge to plan administer and maintain a virtual private network vpn readers are taught to accomplish several specific tasks including identifying the features functions and benefits of cisco secure vpn products identifying the component technologies implemented in cisco secure vpn products utilizing commands required to configure and test ipsec in cisco ios software and pix firewalls installing and configuring the cisco vpn client to create a secure tunnel to a cisco vpn concentrator and pix firewall configuring and verifying ipsec in the cisco vpn concentrator cisco router and pix firewall and configuring the cisco vpn concentrator cisco router and pix firewall for interoperability

VPNs Illustrated 2015-01-09 virtual private networks vpns based on the internet instead of the traditional leased lines offer organizations of all sizes the promise of a low cost secure electronic network however using the internet to carry sensitive information can present serious privacy and security problems by explaining how vpns actually work networking expert jon snader shows software engineers and network administrators how to use tunneling authentication and encryption to create safe effective vpns for any environment using an example driven approach vpns illustrated explores how tunnels and vpns function by observing their behavior on the wire by learning to read and interpret various network traces such as those produced by tcpdump readers will be able to better understand and troubleshoot vpn and network behavior specific topics covered include block and stream symmetric ciphers such as aes and rc4 and asymmetric ciphers such as rsa and eigamal message authentication codes including hmacs tunneling technologies based on gtunnel ssl protocol for building network to network vpns ssh protocols as drop in replacements for

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telnet ftp and the BSD r commands lightweight vpns including vtun cipe tinc and openvpn ipsec including its authentication header ah protocol encapsulating security payload esp and ike the key management protocol packed with details the text can be used as a handbook describing the functions of the protocols and the message formats that they use source code is available for download and an appendix covers publicly available software that can be used to build tunnels and analyze traffic flow vpns illustrated gives you the knowledge of tunneling and vpn technology you need to understand existing vpn implementations and successfully create your own

Ssl Vpn 2005-03-09 a comprehensive overview of ssl vpn technologies and design strategies

Building VPNs 2003 virtual private networks vpns are a cheap and secure way for companies to transmit information over the internet with implementation of two new protocols ipsec and mpls vpns are about to become standard operating procedure this guide aims to teach network engineers and architects internetworking pros in the enterprise and service provider organisations and security pros working on vpns as a corporate security measure how to use them it walks readers through a vpn build from the ground up and demonstrates how ipsec and mpls can be used in conjunction

IPSec Virtual Private Network Fundamentals 2006-07-19 an introduction to designing and configuring cisco ipsec vpns understand the basics of the ipsec protocol and learn implementation best practices study up to date ipsec design incorporating current cisco innovations in the security and vpn marketplace learn how to avoid common pitfalls related to ipsec deployment reinforce theory with case studies configuration examples showing how ipsec maps to real world solutions ipsec virtual private network fundamentals provides a basic working knowledge of ipsec on various cisco routing and switching platforms it provides the foundation necessary to understand the different components of cisco ipsec implementation and how it can be successfully implemented in a variety of network topologies and markets service provider enterprise financial government this book views ipsec as an emerging requirement in most major vertical markets explaining the need for increased information authentication confidentiality and non repudiation for secure transmission of confidential data the book is written using a layered approach starting with basic explanations of why ipsec was developed and the types of organizations relying on ipsec to secure data transmissions it then outlines the basic ipsec isakmp fundamentals that were developed to meet demand for secure data transmission the book covers the design and implementation of ipsec vpn architectures using an array of cisco products starting with basic concepts and proceeding to more advanced topics including high availability solutions and public key infrastructure pki sample topology diagrams and configuration examples are provided in each chapter to reinforce the fundamentals expressed in text and to assist readers in

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translating concepts into practical deployment scenarios additionally comprehensive case studies are incorporated throughout to map topics to real world solutions

Ip Sec Securing Vpns 2005 ipsec vpn design is the first book to present a detailed examination of the design aspects of ipsec protocols that enable secure vpn communication divided into three parts the book provides a solid understanding of design and architectural issues of large scale secure vpn solutions part i includes a comprehensive introduction to the general architecture of ipsec including its protocols and cisco ios ipsec implementation details part ii examines ipsec vpn design principles covering hub and spoke full mesh and fault tolerant designs this part of the book also covers dynamic configuration models used to simplify ipsec vpn designs part iii addresses design issues in adding services to an ipsec vpn such as voice and multicast this part of the book also shows you how to effectively integrate ipsec vpns with mpls vpns jacket

IPSec VPN Design 2006-02-20 here s the book you need to prepare for cisco s secure pix firewall cspf and secure vpn csvpn exams this two in one study guide provides in depth coverage of all exam topics practical information on implementing cisco s secure pix and secure vpn technologies hundreds of challenging review questions leading edge exam preparation software including a test engine and electronic flashcards authoritative coverage of all exam objectives including secure pix firewall translations and connections access control lists and content filtering object grouping advanced protocol handling attack guards intrusion detection and shunning authentication authorization and accounting failover cisco pix device manager enterprise pix firewall management and maintenance firewall services module secure vpn vpn and ipsec technology overview vpn 3000 concentrator series hardware remote access with pre shared keys and digital certificates ipsec software client firewalls software client auto initiation hardware client configuration network client backup and load balancing software auto update configuring for the ipsec over udp and ipsec over tcp lan to lan with pre shared keys nat and digital certificates note cd rom dvd and other supplementary materials are not included as part of ebook file

CCSP: Secure PIX and Secure VPN Study Guide 2015-08-28 master building and integrating secure private networks using openvpn about this book discover how to configure and set up a secure openvpn enhance user experience by using multiple authentication methods delve into better reporting monitoring logging and control with openvpn who this book is for if you are familiar with tcp ip networking and general system administration then this book is ideal for you some knowledge and understanding of core elements and applications related to virtual private networking is assumed what you will learn identify different vpn protocols ipsec pptp openvpn build your own pki and manage certificates deploy

your vpn on various devices like pcs mobile phones tablets and more differentiate between the routed and bridged network enhance your vpn with monitoring and logging authenticate against third party databases like ldap or the unix password file troubleshoot an openvpn setup that is not performing correctly in detail security on the internet is increasingly vital to both businesses and individuals encrypting network traffic using virtual private networks is one method to enhance security the internet corporate and free internet networks grow more hostile every day openvpn the most widely used open source vpn package allows you to create a secure network across these systems keeping your private data secure the main advantage of using openvpn is its portability which allows it to be embedded into several systems this book is an advanced guide that will help you build secure virtual private networks using openvpn you will begin your journey with an exploration of openvpn while discussing its modes of operation its clients its secret keys and their format types you will explore pki its setting up and working pam authentication and mtu troubleshooting next client server mode is discussed the most commonly used deployment model and you will learn about the two modes of operation using tun and tap devices the book then progresses to more advanced concepts such as deployment scenarios in tun devices which will include integration with back end authentication and securing your openvpn server using iptables scripting plugins and using openvpn on mobile devices and networks finally you will discover the strengths and weaknesses of the current openvpn implementation understand the future directions of openvpn and delve into the troubleshooting techniques for openvpn by the end of the book you will be able to build secure private networks across the internet and hostile networks with confidence style and approach an easy to follow yet comprehensive guide to building secure virtual private networks using openvpn a progressively complex vpn design is developed with the help of examples more advanced topics are covered in each chapter with subjects grouped according to their complexity as well as their utility

Mastering OpenVPN 2023-09-06 cybellium ltd is dedicated to empowering individuals and organizations with the knowledge and skills they need to navigate the ever evolving computer science landscape securely and learn only the latest information available on any subject in the category of computer science including information technology it cyber security information security big data artificial intelligence ai engineering robotics standards and compliance our mission is to be at the forefront of computer science education offering a wide and comprehensive range of resources including books courses classes and training programs tailored to meet the diverse needs of any subject in computer science visit cybellium.com for more books

Mastering Ipsec 2006 ssl remote access vpns an introduction to designing and configuring ssl virtual private networks jazib frahim ccie no 5459 qiang huang

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ccie no 4937 cisco ssl vpn solutions formerly known as cisco webvpn solutions give you a flexible and secure way to extend networking resources to virtually any remote user with access to the internet and a web browser remote access based on ssl vpn delivers secure access to network resources by establishing an encrypted tunnel across the internet using a broadband cable or dsl or isp dialup connection ssl remote access vpns provides you with a basic working knowledge of ssl virtual private networks on cisco ssl vpn capable devices design guidance is provided to assist you in implementing ssl vpn in existing network infrastructures this includes examining existing hardware and software to determine whether they are ssl vpn capable providing design recommendations and guiding you on setting up the cisco ssl vpn devices common deployment scenarios are covered to assist you in deploying an ssl vpn in your network ssl remote access vpns gives you everything you need to know to understand design install configure and troubleshoot all the components that make up an effective secure ssl vpn solution jazib frahim ccie no 5459 is currently working as a technical leader in the worldwide security services practice of the cisco advanced services for network security he is responsible for guiding customers in the design and implementation of their networks with a focus on network security he holds two ccies one in routing and switching and the other in security qiang huang ccie no 4937 is a product manager in the cisco campus switch system technology group focusing on driving the security and intelligent services roadmap for market leading modular ethernet switching platforms during his time at cisco qiang has played an important role in a number of technology groups including the cisco tac security and vpn team where he was responsible for trouble shooting complicated customer deployments in security and vpn solutions qiang has extensive knowledge of security and vpn technologies and experience in real life customer deployments qiang holds ccie certifications in routing and switching security and isp dial understand remote access vpn technologies such as point to point tunneling protocol pptp internet protocol security ipsec layer 2 forwarding l2f layer 2 tunneling l2tp over ipsec and ssl vpn learn about the building blocks of ssl vpn including cryptographic algorithms and ssl and transport layer security tls evaluate common design best practices for planning and designing an ssl vpn solution gain insight into ssl vpn functionality on cisco adaptive security appliance asa and cisco ios routers install and configure ssl vpns on cisco asa and cisco ios routers manage your ssl vpn deployment using cisco security manager 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 ssl vpns

IPsec/VPN Security Policy Engineering 2008-06-10 this complete field guide authorized by juniper networks is the perfect hands on reference for deploying

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configuring and operating juniper s srx series networking device authors brad woodberg and rob cameron provide field tested best practices for getting the most out of srx deployments based on their extensive field experience while their earlier book junos security covered the srx platform this book focuses on the srx series devices themselves you ll learn how to use srx gateways to address an array of network requirements including ip routing intrusion detection attack mitigation unified threat management and wan acceleration along with case studies and troubleshooting tips each chapter provides study questions and lots of useful illustrations explore srx components platforms and various deployment scenarios learn best practices for configuring srx s core networking features leverage srx system services to attain the best operational state deploy srx in transparent mode to act as a layer 2 bridge configure troubleshoot and deploy srx in a highly available manner design and configure an effective security policy in your network implement and configure network address translation nat types provide security against deep threats with appsecure intrusion protection services and unified threat management tools

SSL Remote Access VPNs (Network Security) 2013-06-07 this book constitutes the refereed post proceedings of the second international conference on theoretical and mathematical foundations of computer science ictmf 2011 held in singapore in may 2011 the conference was held together with the second international conference on high performance networking computing and communication systems ichcc 2011 which proceedings are published in ccis 163 the 84 revised selected papers presented were carefully reviewed and selected for inclusion in the book the topics covered range from computational science engineering and technology to digital signal processing and computational biology to game theory and other related topics

Juniper SRX Series 2011-11-07 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 an introduction to designing and configuring cisco ipsec vpns understand the basics of the ipsec protocol and learn implementation best practices study up to date ipsec design incorporating current cisco innovations in the security and vpn marketplace learn how to avoid common pitfalls related to ipsec deployment reinforce theory with case studies configuration examples showing how ipsec maps to real world solutions ipsec virtual private n

Theoretical and Mathematical Foundations of Computer Science 1900 beginners network professionals can learn how to set up a virtual private network in the most secure and cost effective way includes vpn blueprints for one of the fastest growing and secure methods for connecting branch offices

IPsec Virtual Private Network Fundamentals 2002 annotation based on the csvpn study course this guide covers the establishment of virtual private networks vpns using internet protocol security ipsec protocols in conjunction with long established encryption authentication and hashing protocols it also

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concentrates on the configuration of the vpn 3000 series of products including concentrators hardware clients and software clients

Guide to IPsec VPNs 2005 secure sockets layer ssl virtual private networks vpns provide users with secure remote access to an organization s resources an ssl vpn consists of one or more vpn devices to which users connect using their browsers the traffic between the browser and ssl vpn device is encrypted with the ssl protocol ssl vpns can provide remote users with access to applications and client server applications as well as connectivity to internal networks they offer versatility and ease of use because they use the ssl protocol which is included with all standard browsers so special client configuration or installation is often not required in planning a vpn deployment many organizations are faced with a choice between an ipsec based vpn and an ssl based vpn this document seeks to assist organizations in understanding ssl vpn technologies the publication also makes recommendations for designing implementing configuring securing monitoring and maintaining ssl vpn solutions sp 800 113 provides a phased approach to ssl vpn planning and implementation that can help in achieving successful ssl vpn deployments it also includes a comparison with other similar technologies such as internet protocol security ipsec vpns and other vpn solutions

VPNs Illustrated 2002 historically only large companies could afford secure networks which they created from expensive leased lines smaller folks had to make do with the relatively untrusted internet nowadays even large companies have to go outside their private nets because so many people telecommute or log in while they re on the road how do you provide a low cost secure electronic network for your organization the solution is a virtual private network a collection of technologies that creates secure connections or tunnels over regular internet lines connections that can be easily used by anybody logging in from anywhere a number of products now exist to help you develop that solution this book tells you how to plan and build a vpn it starts with general concerns like costs configuration and how a vpn fits in with other networking technologies like firewalls it continues with detailed descriptions of how to install and use vpn technologies that are available for windows nt and unix such as pptp and l2tp altavista tunnel cisco pix and the secure shell ssh new features in the second edition include ssh which is a popular vpn solution for unix systems and an expanded description of the ipsec standard for which several vendors have announced support topics include how the vpn compares to other available networking technologies introduction to encryption firewalls the ipsec standard and other technologies that let vpns work point to point tunneling protocol pptp and l2tp the altavista tunnel the cisco pix firewall secure shell ssh maintenance and troubleshooting

VPNs 2004 the definitive guide to understanding mpls security and implementing and operating secure mpls networks

CCSP Self-Study 2008-07-31 vpns enable any enterprise to utilize the internet as its own secure private network in this book two leading vpn implementers offer a start to finish hands on guide to constructing and operating secure vpns going far beyond the theory found in most books ruixi yuan and tim strayer present best practices for every aspect of vpn deployment including tunneling ipsec authentication public key infrastructure and network service management strayer and yuan begin with a detailed overview of the fundamental concepts and architectures associated with enterprise vpns including site to site vpns remote access vpns and extranets they compare all options for establishing vpn tunnels across the internet including pptp l2f and l2tp next they present in depth coverage of implementing ipsec establishing two party or trusted third party authentication building a robust public key infrastructure and managing access control the book includes expert coverage of vpn gateway configuration provisioning and management windows and other vpn clients and network service management including slas and network operations centers finally the authors preview the future of vpns showing how they may be enhanced to provide greater quality of service and network intelligence for all networking and it professionals security specialists consultants vendors and service providers responsible for building or operating vpns

Guide to Ssl Vpns 1999 synchronizing internet protocol security ipsec focuses on the combination of theoretical investigation and practical implementation which provides an in depth understanding of the internet protocol security ipsec framework the standard internet protocol is completely unprotected allowing hosts to inspect or modify data in transit this volume identifies the security problems facing internet communication protocols along with the risks associated with internet connections it also includes an investigative case study regarding the vulnerabilities that impair ipsec and proposes a sipsec model

Virtual Private Networks 2005 this is a hardcopy of the nist special publication 800 77 guide to ipsec vpns this publication seeks to assist organizations in mitigating the risks associated with the transmission of sensitive information across networks by providing practical guidance on implementing security services based on internet protocol security ipsec this document presents information that is independent of particular hardware platforms operating systems and applications other than providing real world examples to illustrate particular concepts specifically the document includes a discussion of the need for network layer security services a description of the types of services that are offered at the network layer and how ipsec addresses these services it uses a case based approach to show how ipsec can be used to solve common network security issues it also describes alternatives to ipsec and discusses under what circumstances each alternative may be appropriate

MPLS VPN Security 2001 how secure is your network the best way to find out is to attack it network security assessment provides you with the tricks and tools

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professional security consultants use to identify and assess risks in internet based networks the same penetration testing model they use to secure government military and commercial networks with this book you can adopt refine and reuse this testing model to design and deploy networks that are hardened and immune from attack network security assessment demonstrates how a determined attacker scours internet based networks in search of vulnerable components from the network to the application level this new edition is up to date on the latest hacking techniques but rather than focus on individual issues it looks at the bigger picture by grouping and analyzing threats at a high level by grouping threats in this way you learn to create defensive strategies against entire attack categories providing protection now and into the future network security assessment helps you assess services including microsoft iis apache tomcat and subsystems such as openssl microsoft frontpage and outlook access owa application technologies including asp jsp php middleware and backend databases such as mysql oracle and microsoft sql server microsoft windows networking components including rpc netbios and cifs services smtp pop3 and imap email services ip services that provide secure inbound network access including ipsec microsoft pptp and ssl vpns unix rpc services on linux solaris irix and other platforms various types of application level vulnerabilities that hacker tools and scripts exploit assessment is the first step any organization should take to start managing information risks correctly with techniques to identify and assess risks in line with cesg check and nsa iam government standards network security assessment gives you a precise method to do just that

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NIST Special Publication 800-77 Guide to IPsec VPNs 2007-11-01 the infosec handbook offers the reader an organized layout of information that is easily read and understood allowing beginners to enter the field and understand the key concepts and ideas while still keeping the experienced readers updated on topics and concepts it is intended mainly for beginners to the field of information security written in a way that makes it easy for them to understand the detailed content of the book the book offers a practical and simple view of the security practices while still offering somewhat technical and detailed information relating to security it helps the reader build a strong foundation of information allowing them to move forward from the book with a larger knowledge base security is a constantly growing concern that everyone must deal with whether it s an average computer user or a highly skilled computer user they are always confronted with different security risks these risks range in danger and should always be dealt with accordingly unfortunately not everyone is aware of the dangers or how to prevent them and this is where most of the issues arise in information technology it when computer users do not take

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security into account many issues can arise from that like system compromises or loss of data and information this is an obvious issue that is present with all computer users this book is intended to educate the average and experienced user of what kinds of different security practices and standards exist it will also cover how to manage security software and updates in order to be as protected as possible from all of the threats that they face

Network Security Assessment 2012

CCNP Security VPN 642-648 Official Cert Guide 2003

CCSP Cisco Secure VPN Exam Certification Guide 2014-09-17

The InfoSec Handbook

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