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CCNA Security (640-554) Portable Command Guide Apr 11 2021 All the CCNA Security 640-554 commands in one compact, portable resource Preparing for the latest CCNA® Security exam? Here are all the CCNA Security commands you need in one condensed, portable resource. Filled with valuable, easy-to-access information, the CCNA Security Portable Command Guide is portable enough for you to use whether you're in the server room or the equipment closet. Completely updated to reflect the new CCNA Security 640-554 exam, this quick reference summarizes relevant Cisco IOS® Software commands, keywords, command arguments, and associated prompts, and offers tips and examples for applying these commands to real-world security challenges. Throughout, configuration examples provide an even deeper understanding of how to use IOS to protect networks. Topics covered include • Networking security fundamentals: concepts, policies, strategies, and more • Securing network infrastructure: network foundations, CCP, management plane and access, and data planes (IPv6/IPv4) • Secure connectivity: VPNs, cryptography, IPsec, and more • Threat control and containment: strategies, ACL threat mitigation, zone-based firewalls, and Cisco IOS IPS • Securing networks with ASA: ASDM, basic and advanced settings, and ASA SSL VPNs Bob Vachon is a professor at Cambrian College. He has held CCNP certification since 2002 and has collaborated on many Cisco Networking Academy courses. He was the lead author for the Academy's CCNA Security v1.1 curriculum that aligns to the Cisco IOS Network Security (IINS) certification exam (640-554). · Access all CCNA Security commands: use as a quick, offline resource for research and solutions · Logical how-to topic groupings provide one-stop research · Great for review before CCNA Security certification exams · Compact size makes it easy to carry with you, wherever you go · "Create Your Own Journal" section with blank, lined pages allows you to personalize the book for your needs · "What Do You Want to Do?" chart inside front cover helps you to quickly reference specific tasks This book is part of the Cisco Press® Certification Self-Study Product Family, which offers readers a self-paced study routine for Cisco® certification exams. Titles in the Cisco Press Certification Self-Study Product Family are part of a recommended learning program from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press.

IBM Spectrum Accelerate Deployment, Usage, and Maintenance Feb 07 2021 This edition applies to IBM® Spectrum Accelerate V11.5.4. IBM Spectrum Accelerate™, a member of IBM Spectrum Storage™, is an agile, software-defined storage solution for enterprise and cloud that builds on the customer-proven and mature IBM XIV® storage software. The key characteristic of Spectrum Accelerate is that it can be easily deployed and run on purpose-built or existing hardware that is chosen by the customer. IBM Spectrum Accelerate enables rapid deployment of high-performance and scalable block data storage infrastructure over commodity hardware on-premises or off-premises. This IBM Redbooks® publication provides a broad understanding of IBM Spectrum Accelerate. The book introduces Spectrum Accelerate and describes planning and preparation that are essential for a successful deployment of the solution. The deployment is described through a step-by-step approach, by using a graphical user interface (GUI) based method or a simple command-line interface (CLI) based procedure. Chapters in this book describe the logical configuration of the system, host support and business continuity functions, and migration. Although it makes many references to the XIV storage software, the book also emphasizes where IBM Spectrum Accelerate differs from XIV. Finally, a substantial portion of the book is dedicated to maintenance and troubleshooting to provide detailed guidance for the customer support personnel.

Deploying IBM Spectrum Accelerate on Cloud May 13 2021 This IBM® Redpaper™ publication provides information about IBM Spectrum Accelerate™ on Cloud. IBM Spectrum Accelerate on Cloud supplies a smart storage solution using servers on SoftLayer® cloud. It enables you to consume storage as a service without the need to install or maintain any hardware or software components. IBM Spectrum Accelerate on Cloud enables users to replicate data in the cloud, as an affordable disaster recovery (DR) solution. The primary data can be either on IBM XIV® Storage System devices, or IBM Spectrum Accelerate, on or off

premises. The initial deployment on SoftLayer is performed by engaging IBM Lab services. This paper first describes the tasks performed by IBM Lab services, explains the required customer preparation tasks, followed by typical use case scenarios.

IBM Hyper-Scale Manager for IBM Spectrum Accelerate Family: IBM XIV, IBM FlashSystem A9000 and A9000R, and IBM Spectrum Accelerate Nov 30 2022 This IBM® Redbooks® publication describes storage management functions and their configuration and use with the IBM Hyper-Scale Manager management graphical user interface (GUI) for IBM XIV® Gen3, IBM FlashSystem® A9000 and A9000R, and IBM Spectrum™ Accelerate software. The web-based GUI provides a revolutionary object-centered interface design that is aimed toward ease of use together with enhanced efficiency for storage administrators. The first chapter describes general features of the GUI and installation of the IBM Hyper-Scale Manager server. Subsequent chapters illustrate some typical GUI actions, among many other possibilities, to manage and configure the storage systems, to define security roles, and to set up multitenancy. For most of the GUI-based actions that are illustrated in this book, the corresponding XIV Storage System command-line interface (XCLI) commands are also shown. This edition applies to IBM Hyper-Scale Manager V5.4. IBM Hyper-Scale Manager based GUI information regarding host attachment and replication is covered in IBM FlashSystem A9000, IBM FlashSystem A9000R, and IBM XIV Storage System: Host Attachment and Interoperability, SG24-8368 and IBM FlashSystem A9000 and A9000R Business Continuity Solutions, REDP-5401. See also IBM HyperSwap and Multi-site HA/DR for IBM FlashSystem A9000 and A9000R, REDP-5434.

Implementation of IBM j-type Ethernet Appliances May 25 2022 IBM® j-type data center solutions that run Junos software provide operational agility and efficiency that dramatically simplifies the network and delivers unprecedented savings. This solution enables a network design with fewer devices, interconnections, and network tiers. Beyond the obvious cost advantages, the design enables the following key benefits: Reduces latency Simplifies device management Delivers significant power, cooling, and space savings Eliminates multiple system failure points Performs pervasive security The high-performance data center is built around IBM j-type e-series switches, m-series routers, and s-series firewalls. It is a new family of powerful products that help shape the next-generation dynamic infrastructure. IBM j-type s-series Ethernet Appliances perform essential networking security functions and are ready for next-generation data center services and applications. Designed on top of the Junos operating system, s-series Ethernet Appliances provide flexible processing scalability, I/O scalability, network segmentation, and services integration. In this Redbooks® publication, we target IT professionals who sell, design, or administer IBM j-type networking solutions and cover the basic installation and maintenance of the IBM j-type s-series Ethernet Appliance hardware.

CCNA Security (210-260) Portable Command Guide Nov 06 2020 Preparing for the latest CCNA Security exam? Here are all the CCNA Security (210-260) commands you need in one condensed, portable resource. Filled with valuable, easy-to-access information, the CCNA Security Portable Command Guide, is portable enough for you to use whether you're in the server room or the equipment closet. Completely updated to reflect the new CCNA Security 210-260 exam, this quick reference summarizes relevant Cisco IOS® Software commands, keywords, command arguments, and associated prompts, and offers tips and examples for applying these commands to real-world security challenges. Configuration examples, throughout, provide an even deeper understanding of how to use IOS to protect networks. Topics covered include Networking security fundamentals: concepts, policies, strategy Protecting network infrastructure: network foundations, security management planes/access; data planes (Catalyst switches and IPv6) Threat control/containment: protecting endpoints and content; configuring ACLs, zone-based firewalls, and Cisco IOS IPS Secure connectivity: VPNs, cryptology, asymmetric encryption, PKI, IPsec VPNs, and site-to-site VPN configuration ASA network security: ASA/ASDM concepts; configuring ASA basic settings, advanced

settings, and VPNs Access all CCNA Security commands: use as a quick, offline resource for research and solutions Logical how-to topic groupings provide one-stop research Great for review before CCNA Security certification exams Compact size makes it easy to carry with you, wherever you go "Create Your Own Journal" section with blank, lined pages allows you to personalize the book for your needs "What Do You Want to Do?" chart inside the front cover helps you to quickly reference specific tasks

Nokia Firewall, VPN, and IPSO Configuration Guide Jul 27 2022 "While Nokia is perhaps most recognized for its leadership in the mobile phone market, they have successfully demonstrated their knowledge of the Internet security appliance market and its customers requirements." --Chris Christiansen, Vice President, Internet Infrastructure and Security Software, IDC. Syngress has a long history of publishing market-leading books for system administrators and security professionals on commercial security products, particularly Firewall and Virtual Private Network (VPN) appliances from Cisco, Check Point, Juniper, SonicWall, and Nokia (see related titles for sales histories). The Nokia Firewall, VPN, and IPSO Configuration Guide will be the only book on the market covering the all-new Nokia Firewall/VPN Appliance suite. Nokia Firewall/VPN appliances are designed to protect and extend the network perimeter. According to IDC research, Nokia Firewall/VPN Appliances hold the #3 worldwide market-share position in this space behind Cisco and Juniper/NetScreen. IDC estimated the total Firewall/VPN market at \$6 billion in 2007, and Nokia owns 6.6% of this market. Nokia's primary customers for security appliances are Mid-size to Large enterprises who need site-to-site connectivity and Mid-size to Large enterprises who need remote access connectivity through enterprise-deployed mobile devices. Nokia appliances for this market are priced from \$1,000 for the simplest devices (Nokia IP60) up to \$60,000 for large enterprise- and service-provider class devices (like the Nokia IP2450 released in Q4 2007). While the feature set of such a broad product range obviously varies greatly, all of the appliances run on the same operating system: Nokia IPSO (IPSO refers to Ipsilon Networks, a company specializing in IP switching acquired by Nokia in 1997. The definition of the acronym has little to no meaning for customers.) As a result of this common operating system across the product line, The Nokia Firewall, VPN, and IPSO Configuration Guide will be an essential reference to users of any of these products. Users manage the Nokia IPSO (which is a Linux variant, specifically designed for these appliances) through a Web interface called Nokia Network Voyager or via a powerful Command Line Interface (CLI). Coverage within the book becomes increasingly complex relative to the product line. The Nokia Firewall, VPN, and IPSO Configuration Guide and companion Web site will provide seasoned network administrators and security professionals with the in-depth coverage and step-by-step walkthroughs they require to properly secure their network perimeters and ensure safe connectivity for remote users. The book contains special chapters devoted to mastering the complex Nokia IPSO command line, as well as tips and tricks for taking advantage of the new "ease of use" features in the Nokia Network Voyager Web interface. In addition, the companion Web site offers downloadable video walkthroughs on various installation and troubleshooting tips from the authors. * Only book on the market covering Nokia Firewall/VPN appliances, which hold 6.6% of a \$6 billion market * Companion website offers video walkthroughs on various installation and troubleshooting tips from the authors * Special chapters detail mastering the complex Nokia IPSO command line, as well as tips and tricks for taking advantage of the new "ease of use" features in the Nokia Network Voyager Web interface

Windows Command Line Administration Instant Reference Aug 04 2020 The perfect companion to any book on Windows Server 2008 or Windows 7, and the quickest way to access critical information Focusing just on the essentials of command-line interface (CLI), Windows Command-Line Administration Instant Reference easily shows how to quickly perform day-to-day tasks of Windows administration without ever touching the graphical user interface (GUI). Specifically designed for busy administrators, Windows Command-Line Administration Instant Reference replaces many tedious GUI steps with just one command at the command-line, while concise, easy to access answers provide solutions on the spot. Provides practical examples, step-by-step instructions, and contextual information Quick-reference style delivers the commands needed for managing data and the network; working with Active Directory; performing diagnostics and maintenance; and, creating batch files and scripts Covers administration for Windows Server 2008 Server Core, Windows Server 2008 (including R2), and Windows 7 Administrators can get more done in less time with CLI than they can with the standard GUI. Compact enough to keep on hand at

all times, Windows Command-Line Administration Instant Reference provides administrators with a convenient, fast and simple way to use CLI.

The Linux Command Line Beginner's Guide Jan 27 2020 The Linux Command Line Beginner's Guide gives users new to Linux an introduction to the command line environment. In the Guide, you'll learn how to: - Copy, move, and delete files and directories. -Create, delete, and manage users. -Create, delete, and manage groups. -Use virtual terminals. -Use the bash shell. -Safely use the root account with su and sudo. - Change permissions and ownership of files and directories. -Create and edit text files from the command line, without using a graphical editor. -Diagnose network connectivity problems. -And many other topics.

Crowdsourcing for Speech Processing Mar 30 2020 Provides an insightful and practical introduction to crowdsourcing as a means of rapidly processing speech data Intended for those who want to get started in the domain and learn how to set up a task, what interfaces are available, how to assess the work, etc. as well as for those who already have used crowdsourcing and want to create better tasks and obtain better assessments of the work of the crowd. It will include screenshots to show examples of good and poor interfaces; examples of case studies in speech processing tasks, going through the task creation process, reviewing options in the interface, in the choice of medium (MTurk or other) and explaining choices, etc. Provides an insightful and practical introduction to crowdsourcing as a means of rapidly processing speech data. Addresses important aspects of this new technique that should be mastered before attempting a crowdsourcing application. Offers speech researchers the hope that they can spend much less time dealing with the data gathering/annotation bottleneck, leaving them to focus on the scientific issues. Readers will directly benefit from the book's successful examples of how crowd-sourcing was implemented for speech processing, discussions of interface and processing choices that worked and choices that didn't, and guidelines on how to play and record speech over the internet, how to design tasks, and how to assess workers. Essential reading for researchers and practitioners in speech research groups involved in speech processing

IBM FlashSystem A9000R Product Guide (Version 12.3.1) Jul 15 2021 This IBM® Redbooks® Product Guide is an overview of the main characteristics, features, and technology that are used in IBM FlashSystem® A9000R Model 415 and Model 425, with IBM FlashSystem A9000R Software V12.3.1. IBM FlashSystem A9000R is a grid-scale, all-flash storage platform designed for industry leaders with rapidly growing cloud storage and mixed workload environments to help drive your business into the cognitive era. FlashSystem A9000R provides consistent, extreme performance for dynamic data at scale, integrating the microsecond latency and high availability of IBM FlashCore® technology. The rack-based offering comes integrated with the world class software features that are built with IBM Spectrum™ Accelerate. For example, comprehensive data reduction, including inline pattern removal, data deduplication, and compression, helps lower total cost of ownership (TCO) while the grid architecture and IBM Hyper-Scale framework simplify and automate storage administration. The A9000R features always on data reduction and now offers intelligent capacity management for deduplication. Ready for the cloud and well-suited for large deployments, FlashSystem A9000R delivers predictable high performance and ultra-low latency, even under heavy workloads with full data reduction enabled. As a result, the grid-scale architecture maintains this performance by automatically self-optimizing workloads across all storage resources without manual intervention.

Data-at-rest Encryption for the IBM Spectrum Accelerate Family Feb 19 2022 With the ever-growing landscape of national, state, and local regulations, industry requirements, and increased security threats, ensuring the protection of an organization's information is a key part of operating a successful business. Encrypting data-at-rest is a key element when addressing these concerns. Most storage products offer encryption at an additional cost. The IBM® Spectrum Accelerate family, which includes IBM XIV® Storage System, IBM FlashSystem® A9000, IBM FlashSystem A9000R system(s), and IBM Spectrum™ Accelerate Software provides data-at-rest encryption at no charge. Clients can take advantage of encryption and still benefit from the lower total cost of ownership (TCO) that the IBM Spectrum Accelerate™ family offers. For IBM FlashSystem A9000 and A9000R, clients now have a choice between an external key manager-based implementation or a local key based encryption implementation. The local key solution offers a simplified deployment of data-at-rest encryption. This IBM Redpaper™ publication explains the

architecture and design of the XIV and IBM FlashSystem A9000 and A9000R encryption solutions. Details are provided for configuring and implementing both solutions.

Juniper Networks Reference Guide Jan 01 2023 Detailed examples and case studies make this the ideal hands-on guide to implementing Juniper Networks systems. It contains something for everyone, and covers all the basics for beginners while challenging experience users with tested configuration examples throughout the book.

IBM FlashSystem A9000 Product Guide (Version 12.3.1) Aug 16 2021 This IBM® Redbooks® Product Guide is an overview of the main characteristics, features, and technology that are used in IBM FlashSystem® A9000Model 425, with IBM FlashSystem A9000 Software V12.3.1. IBM FlashSystem A9000 storage system uses the IBM FlashCore® technology to help realize higher capacity and improved response times over disk-based systems and other competing flash and solid-state drive (SSD)-based storage. The extreme performance of IBM FlashCore technology with a grid architecture and comprehensive data reduction creates one powerful solution. Whether you are a service provider who requires highly efficient management or an enterprise that is implementing cloud on a budget, FlashSystem A9000 provides consistent and predictable microsecond response times and the simplicity that you need. The A9000 features always on data reduction and now offers intelligent capacity management for deduplication. As a cloud optimized solution, FlashSystem A9000 suits the requirements of public and private cloud providers who require features, such as inline data deduplication, multi-tenancy, and quality of service. It also uses powerful software-defined storage capabilities from IBM Spectrum™ Accelerate, such as Hyper-Scale technology, VMware, and storage container integration.

Gatsby: The Definitive Guide Jul 03 2020 Get the definitive guide on Gatsby, the JavaScript framework for building blazing fast websites and applications. Used by Nike, Costa Coffee, and other companies worldwide, Gatsby is emerging as one of the key technologies in the Jamstack (JavaScript, APIs, and markup) ecosystem. With this comprehensive guide, you'll learn how to architect, build, and deploy Gatsby sites independently or with CMSs, commerce systems, and other data sources. Author Preston So begins by showing you how to set up a Gatsby site from scratch. From there, you'll learn ways to use Gatsby's declarative rendering and GraphQL API, build complex offline-enabled sites, and continuously deploy Gatsby sites on a variety of platforms, including Gatsby Cloud. Discover how Gatsby integrates with many data sources and plug-ins Set up, configure, and architect Gatsby sites using Gatsby's CLI, React, JSX, and GraphQL with high performance out of the box Build an independent Gatsby site based on Markdown and data- and content-driven Gatsby sites that integrate with CMSs and commerce platforms Deploy Gatsby sites with full CI/CD and test coverage on a variety of platforms, including Netlify, Vercel, and Gatsby Cloud

Tru64 UNIX-Oracle9i Cluster Quick Reference Mar 23 2022 This quick reference provides step-by-step instructions on setting up Oracle9i RAC to run on a Tru64 UNIX cluster. Configuration information is included from start to finish. Command summary guides are built into each chapter for quick information retrieval. Examples and concise instructions assist in the complete installation of Tru64 UNIX 5.1A and Oracle9i. Designed as an introduction to Tru64 UNIX and Oracle9i RAC, Tru64 UNIX-Oracle9i Cluster Quick Reference will give intermediate and advanced administrators an invaluable resource for quickly locating vital information. Until now, setting up a Tru64 UNIX cluster running Oracle9i would involve referencing information from an entire shelf of books. Organizing this information into one source, Tru64 UNIX-Oracle9i Cluster Quick Reference simplifies the task of installation and makes a quick start possible with clear instructions and graphic illustrations. Command summary guides in each chapter serve as keys for fast information retrieval. Knowledge from over thirty references is distilled into this single book, seamlessly linking subject to subject for greatly simplified, quick installations. - Hardware Configuration Tips - StorageWorks HSG80 Setup Steps - UNIX Installation and Cluster Configuration - LSM/AdvFS Examples - Oracle9i RAC Installation, Database Configuration - Performance Tuning Tools, Backup, and Recovery

UTM Security with Fortinet Oct 18 2021 Traditionally, network security (firewalls to block unauthorized users, Intrusion Prevention Systems (IPS) to keep attackers out, Web filters to avoid misuse of Internet browsing, and antivirus software to block malicious programs) required separate boxes with increased cost and complexity. Unified Threat Management (UTM) makes network security less complex, cheaper, and

more effective by consolidating all these components. This book explains the advantages of using UTM and how it works, presents best practices on deployment, and is a hands-on, step-by-step guide to deploying Fortinet's FortiGate in the enterprise. Provides tips, tricks, and proven suggestions and guidelines to set up FortiGate implementations Presents topics that are not covered (or are not covered in detail) by Fortinet's documentation Discusses hands-on troubleshooting techniques at both the project deployment level and technical implementation area

Configuring NetScreen Firewalls Jan 09 2021 The first book on the market covering the #2 best-selling firewall appliances in the world from NetScreen. This book continues Syngress' history from ISA Server to Check Point to Cisco Pix of being first to market with best-selling firewall books for security professionals. Configuring NetScreen Firewalls is the first book to deliver an in-depth look at the NetScreen firewall product line. It covers all of the aspects of the NetScreen product line from the SOHO devices to the Enterprise NetScreen firewalls. Also covered are advanced troubleshooting techniques and the NetScreen Security Manager. This book offers novice users a complete opportunity to learn the NetScreen firewall appliance. Advanced users will find it a rich technical resource. * NetScreen is the #2 best-selling firewall appliance in the world (behind only Cisco PIX) and there are no competing books. * Covers the materials found on the NetScreen NCSA 5.0 exam. * Syngress firewall books are consistent best-sellers with market-leading books on ISA Server, Cisco PIX, and Check Point Next Generation.

AutoCad 2000 in a Nutshell Mar 11 2021 A guide for intermediate and advanced users comprehensively covers the design program's newest features, commands, variables, and time-saving tips, including toolbar and command line launch options, scripts, macros, and command dialog boxes

The Best Damn Firewall Book Period Apr 23 2022 This book is essential reading for anyone wanting to protect Internet-connected computers from unauthorized access. Coverage includes TCP/IP, setting up firewalls, testing and maintaining firewalls, and much more. All of the major important firewall products are covered including Microsoft Internet Security and Acceleration Server (ISA), ISS BlackICE, Symantec Firewall, Check Point NG, and PIX Firewall. Firewall configuration strategies and techniques are covered in depth. The book answers questions about firewalls, from How do I make Web/HTTP work through my firewall? To What is a DMZ, and why do I want one? And What are some common attacks, and how can I protect my system against them? The Internet's explosive growth over the last decade has forced IT professionals to work even harder to secure the private networks connected to it—from erecting firewalls that keep out malicious intruders to building virtual private networks (VPNs) that permit protected, fully encrypted communications over the Internet's vulnerable public infrastructure. The Best Damn Firewalls Book Period covers the most popular Firewall products, from Cisco's PIX Firewall to Microsoft's ISA Server to CheckPoint NG, and all the components of an effective firewall set up. Anything needed to protect the perimeter of a network can be found in this book. - This book is all encompassing, covering general Firewall issues and protocols, as well as specific products. - Anyone studying for a security specific certification, such as SANS' GIAC Certified Firewall Analyst (GCFW) will find this book an invaluable resource. - The only book to cover all major firewall products from A to Z: CheckPoint, ISA Server, Symantec, BlackICE, PIX Firewall and Nokia.

IBM FlashSystem A9000 and A9000R Architecture and Implementation (Version 12.3.1) Dec 20 2021 Version 12.3.1 This IBM® Redbooks publication presents the architecture, design, concepts, and technology that are used in IBM FlashSystem® A9000 and IBM FlashSystem A9000R. FlashSystem A9000 and FlashSystem A9000R deliver the microsecond latency and high availability of IBM FlashCore® technology with grid architecture, simple scalability, and industry-leading IBM software that is designed to drive your business into the cognitive era. The Hyper-Scale Manager highly intuitive user interface simplifies management. Comprehensive data reduction capabilities, including inline deduplication and a powerful compression engine, help lower total cost of ownership. With software version 12.3.1 and Hyper-Scale Manager version 5.5.1 (or later) the system can compute reclaimable and attributed capacity information, without performance impact. From a functional standpoint, FlashSystem A9000 and FlashSystem A9000R take advantage of most of the software-defined storage features that are offered by the IBM Spectrum™ Accelerate software, including multi-tenancy and business continuity functions. FlashSystem A9000 and FlashSystem A9000R supports HyperSwap and Multi-site High Availability /

Disaster Recovery (HA/DR) configurations. This publication is intended for those individuals who need to plan, install, tailor, and configure FlashSystem A9000 and FlashSystem A9000R. For detailed information about configuration, management, and replication functions and their usage, see the following publications: IBM Spectrum Accelerate Family Storage Configuration and Usage for IBM FlashSystem A9000, IBM FlashSystem A9000R, and IBM XIV Gen3, SG24-8376 IBM FlashSystem A9000 and A9000R Business Continuity Solutions, REDP-5401 IBM HyperSwap and Multi-site HA/DR solution for IBM FlashSystem A9000 and A9000R, REDP-5434 IBM Spectrum Accelerate Family: Host Attachment and Interoperability, SG24-8368.

AWS Certified SysOps Administrator Study Guide with Online Labs Aug 28 2022 Virtual, hands-on learning labs allow you to apply your technical skills in realistic environments. So Sybex has bundled AWS labs from XtremeLabs with our popular AWS Certified SysOps Administrator Study Guide to give you the same experience working in these labs as you prepare for the Certified SysOps Administrator Exam that you would face in a real-life application. These labs in addition to the book are a proven way to prepare for the certification and for work as an AWS SysOps Administrator. This comprehensive book guides readers through the role of a SysOps Administrator and helps prepare candidates to take the updated AWS Certified SysOps Administrator—Associate (SOA-C01) Exam. The AWS Certified SysOps Administrator—Associate certification validates technical expertise in deployment, management, and operations on the AWS platform. This Study Guide not only prepares readers for the AWS exam, but it makes sure the reader is ready to perform the duties expected of SysOps Administrators. The book focuses on the skill-set required of AWS professionals by filling in the gap between test preparation and real-world preparedness. Concepts covered include: Monitoring and Reporting High Availability Deployment and Provisioning Storage and Data Management Security and Compliance Networking Automation and Optimization And More Readers will also have one year of free access to the Sybex interactive online learning environment and test bank, providing a suite of robust study tools including an assessment test, chapter tests, bonus practice exam, electronic flashcards, and a glossary of key terms. And included with this version of the book, XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to XtremeLabs AWS Certified SysOps Administrator Labs with 6 unique lab modules based on the book.

IPv6 Introduction and Configuration Sep 28 2022 Anyone who is involved with information technology knows that the Internet is running out of IP addresses. The last block of Internet Protocol version 4 (IPv4) addresses was allocated in 2011. Internet Protocol version 6 (IPv6) is the replacement for IPv4, and it is designed to address the depletion of IP addresses and change the way traffic is managed. This IBM® Redpaper™ publication describes the concepts and architecture of IPv6 with a focus on: An overview of IPv6 features An examination of the IPv6 packet format An explanation of additional IPv6 functions A review of IPv6 mobility applications This paper provides an introduction to Internet Control Message Protocol (ICMP) and describes the functions of ICMP in an IPv6 network. This paper also provides IPv6 configuration steps for the following clients: Microsoft Windows Red Hat Enterprise Linux IBM AIX® VMware vSphere ESXi 5.0 After understanding the basics of IPv6 concepts and architecture, IT network professionals will be able to use the procedures outlined in this paper to configure various host operating systems to suit their network infrastructure.

Nortel Guide to VPN Routing for Security and VoIP Sep 04 2020 Here's your handbook to Nortel VPN Router If you're a beginning-to-intermediate-level networking professional, this guide lays the groundwork you need to establish and manage your network with VPN Router. Everything is here—hardware, software, laboratory set-ups, real-world examples, and, most importantly, advice gleaned from the authors' first-hand experiences. From understanding the equipment to deployment strategies, management and administration, authentication, and security issues, you'll gain a working knowledge of VPN Router. You will explore tunneling protocols, VoIP, troubleshooting, and exercises to help you apply the Nortel VPN Router in your own environment. This book prepares you to handle the project and provides a resource for future reference. Manage the complexities of Nortel's VPN Router Review the newest networking standards Become acquainted with all the tools in the Nortel VPN Router portfolio, and apply them to your organization's needs Deploy a VPN Router in a Small Office or Home Office (SOHO) network or a large

corporate network Learn to apply security features such as a stateful firewall, Network Address Translation (NAT), port forwarding, and user and Branch Office Tunnel (BOT) termination Establish security for VoIP and roaming wireless connections Explore the Nortel VPN Client software, supported platforms, installation and configuration information, and basic VPN Client concepts Maximize the effectiveness of your Nortel VPN Router solution

AWS All-in-one Security Guide Sep 24 2019 Learn to build robust security controls for the infrastructure, data, and applications in the AWS Cloud. KEY FEATURES ● Takes a comprehensive layered security approach that covers major use-cases. ● Covers key AWS security features leveraging the CLI and Management Console. ● Step-by-step instructions for all topics with graphical illustrations. ● Relevant code samples written in JavaScript (for Node.js runtime). DESCRIPTION If you're looking for a comprehensive guide to Amazon Web Services (AWS) security, this book is for you. With the help of this book, cloud professionals and the security team will learn how to protect their cloud infrastructure components and applications from external and internal threats. The book uses a comprehensive layered security approach to look into the relevant AWS services in each layer and discusses how to use them. It begins with an overview of the cloud's shared responsibility model and how to effectively use the AWS Identity and Access Management (IAM) service to configure identities and access controls for various services and components. The subsequent chapter covers AWS infrastructure security, data security, and AWS application layer security. Finally, the concluding chapters introduce the various logging, monitoring, and auditing services available in AWS, and the book ends with a chapter on AWS security best practices. By the end, as readers, you will gain the knowledge and skills necessary to make informed decisions and put in place security controls to create AWS application ecosystems that are highly secure. WHAT YOU WILL LEARN ● Learn to create a layered security architecture and employ defense in depth. ● Master AWS IAM and protect APIs. ● Use AWS WAF, AWS Secrets Manager, and AWS Systems Manager Parameter Store. ● Learn to secure data in Amazon S3, EBS, DynamoDB, and RDS using AWS Key Management Service. ● Secure Amazon VPC, filter IPs, use Amazon Inspector, use ECR image scans, etc. ● Protect cloud infrastructure from DDoS attacks and use AWS Shield. WHO THIS BOOK IS FOR The book is intended for cloud architects and security professionals interested in delving deeper into the AWS cloud's security ecosystem and determining the optimal way to leverage AWS security features. Working knowledge of AWS and its core services is necessary. TABLE OF CONTENTS 1. Introduction to Security in AWS 2. Identity And Access Management 3. Infrastructure Security 4. Data Security 5. Application Security 6. Logging, Monitoring, And Auditing 7. Security Best Practices

Day One Deploying SRX Series Services Gateways Oct 06 2020 Find out what Junos can do running a security device. The SRX devices are super-charged firewalls fortified with routing and switching capabilities. So get ready because working on the SRX Series combines powerful Junos networking with a potent set of new security services. This book shows you how to get started: how to console to your SRX device, perform initial configuration, and deploy your new box in a matter of hours. There's no theory, no workarounds, no chatty diversions.

IBM FlashSystem A9000 and A9000R Business Continuity Solutions Jan 21 2022 This edition applies to FlashSystem A9000 and A9000R, Model 415 and 425, with system software Version 12.3 IBM® FlashSystem A9000 and IBM FlashSystem® A9000R provide copy functions suited for various data protection scenarios that enable you to enhance your business continuance, disaster recovery, data migration, and backup solutions. These functions allow point-in-time copies, known as snapshots, and also include remote copy capabilities in either synchronous or asynchronous mode. Furthermore, support for IBM Hyper-Scale Mobility enables a seamless migration of IBM FlashSystem A9000 or A9000R volumes to another with no interference to the host. Starting with software level V12.1, the IBM HyperSwap® feature delivers always-on, high availability (HA) storage service for storage volumes in a production environment. Starting with version 12.2, asynchronous replication between the IBM XIV® Gen3 and FlashSystem A9000 or A9000R is supported. Starting with Version 12.2.1, Hyper-Scale Mobility is enabled between XIV Gen3 and FlashSystem A9000 or A9000R. Version 12.3 offers Multi-site replication solution that entails both High Availability (HA) and Disaster Recovery (DR)function by combining HyperSwap and Asynchronous replication to a third site. This IBM Redpaper™ publication is intended for anyone who needs a detailed

and practical understanding of the IBM FlashSystem A9000 and IBM FlashSystem A9000R replication and business continuity functions.

The UNIX Command Reference Guide Feb 28 2020 Describes the most useful UNIX commands and covers the System V UNIX system and the Berkeley UNIX system. In addition to listing the commands and definitions, the book includes examples that illustrate the use of the commands. Covers core commands, making it easier for the novice to distinguish between the essential and the extraneous. Summaries of several key subsystems -- vi, awk, sed, shells, text processing -- will make it easier for intermediate and advanced users to find important information. Includes synopses and examples as well as Editor Command charts for vi and ed texts, Command Syntax charts, and MS DOS to UNIX cross references.

DBase III Plus Nov 26 2019

VMware vSphere PowerCLI Reference Sep 16 2021 Master vSphere automation with this comprehensive reference VMware vSphere PowerCLI Reference, Automating vSphere Administration, 2nd Edition is a one-stop solution for vSphere automation. Fully updated to align with the latest vSphere and PowerCLI release, this detailed guide shows you how to get the most out of PowerCLI's handy cmdlets using real-world examples and a practical, task-based approach. You'll learn how to store, access, update, back up, and secure massive amounts of data quickly through the power of virtualization automation, and you'll get acquainted with PowerCLI as you learn how to automate management, monitoring, and life-cycle operations for vSphere. Coverage includes areas like the PowerCLI SDK, SRM, vCOPS, and vCloud Air. Plus guidance toward scheduling and viewing automation, using DevOps methodology and structured testing and source control of your PowerCLI scripts. Clear language and detailed explanations make this reference the manual you've been looking for. This book is your complete reference for managing vSphere in a Windows environment, with expert instruction and real-world application. Automate vCenter Server deployment and configuration Create and configure virtual machines, and utilize vApps Monitor, audit, and report the status of your vSphere environment Secure, back up, and restore your virtual machines Work with other vSphere components from your PowerCLI scripts Take control of your PowerCLI scripts through versioning and structured testing Don't spend another day slogging through routine systems management — automate it, with this invaluable guide.

Cloud Foundry for Developers Nov 18 2021 Deploy and scale applications on Cloud Foundry About This Book Gain hands-on experience using Cloud Foundry Implement deployment, management and scaling of applications on Cloud Foundry Learn best practices and troubleshooting tips for running applications on Cloud Foundry Who This Book Is For This book is aimed at developers, engineers and architects who want to learn key aspects of developing and running applications on the Cloud Foundry Platform. Prior knowledge Cloud Foundry is not necessary. What You Will Learn Understand Cloud Foundry (CF) tools and concepts. Understand the breadth of possibilities unleashed through a lightweight agile approach to building and deploying applications. Design and deploy cloud native applications that run well on Cloud Foundry. Learn Microservice design concepts and worker applications. Customize service brokers to publish your services in the Cloud Foundry marketplace. Using, managing and creating buildpacks for the Cloud Foundry Platform. Troubleshoot applications on Cloud Foundry Perform zero-downtime deployments using blue/green routes, A/B testing, and painless rollbacks to earlier versions of the application. In Detail Cloud Foundry is the open source platform to deploy, run, and scale applications. Cloud Foundry is growing rapidly and a leading product that provides PaaS (Platform as a Service) capabilities to enterprise, government, and organizations around the globe. Giants like Dell Technologies, GE, IBM, HP and the US government are using Cloud Foundry innovate faster in a rapidly changing world. Cloud Foundry is a developer's dream. Enabling them to create modern applications that can leverage the latest thinking, techniques and capabilities of the cloud, including: DevOps Application Virtualization Infrastructure agnosticism Orchestrated containers Automation Zero downtime upgrades A/B deployment Quickly scaling applications out or in This book takes readers on a journey where they will first learn the Cloud Foundry basics, including how to deploy and scale a simple application in seconds. Readers will build their knowledge of how to create highly scalable and resilient cloud-native applications and microservices running on Cloud Foundry. Readers will learn how to integrate their application with services provided by Cloud Foundry and with those external to Cloud Foundry. Readers will learn how to structure their Cloud

Foundry environment with orgs and spaces. After that, we'll discuss aspects of continuous integration/continuous delivery (CI/CD), monitoring and logging. Readers will also learn how to enable health checks, troubleshoot and debug applications. By the end of this book, readers will have hands-on experience in performing various deployment and scaling tasks. Additionally, they will have an understanding of what it takes to migrate and develop applications for Cloud Foundry. Style and Approach A practitioner's guide to Cloud Foundry that covers the areas of application development, deployment and services.

IP Multicast Protocol Configuration Jun 25 2022 The most common transmission scheme used in networks today is unicast, which represents "one-to-one" transmission with one sender and one receiver. Sometimes there is a need for one host to send packets that are received by multiple hosts. The problem with implementing this kind of transmission using unicast is that the stream of packets must be replicated as many times as there are receivers. IP Multicast addresses the problem by intelligently sending only one stream of packets and then replicating the stream when it reaches the target domain that includes multiple receivers or reaches a necessary bifurcation point leading to different receiver domains. In this IBM® Redpapers™ publication, we introduce principles of IP Multicast and describe the IPv4 addressing used for multicast. We discuss the protocols that are used to implement multicast in an IP network and then provide the general IP Multicast configuration procedures and then presents IP Multicast configuration in a sample network using IBM System Networking Ethernet Switches. We conclude this paper with command references that include all commands and their parameters for configuration of multicast protocols and features. After understanding the basics of how to configure IP Multicast for the networking scenario described in this paper, IT network professionals will be able replicate a similar design and configuration to suit their network infrastructure.

IBM HyperSwap and Multi-site HA/DR for IBM FlashSystem A9000 and A9000R Dec 08 2020 IBM® HyperSwap® is the high availability (HA) solution that provides continuous data availability in case of hardware failure, power failure, connectivity failure, or disasters. The HyperSwap capability is available for IBM FlashSystem® A9000 and IBM FlashSystem A9000R, starting with software version 12.2.1. Version 12.3 introduces a function that combines HyperSwap and Asynchronous replication, which creates a solution that entails HA and Disaster Recovery (DR). One side of the HyperSwap pair has an active async link to the third system, and the other side has a standby link. Known as Multi-site HA/DR, this configuration provides HyperSwap active-active HA while keeping data mirrored to a third copy to ensure two levels of business continuity. This IBM Redpaper™ publication gives a broad understanding of the architecture, design, and implementation of HyperSwap and Multi-site HA/DR solution. It also discusses and illustrates various use cases pertaining to their use and functionality. This paper is intended for those users who want to deploy solutions that take advantage of HyperSwap and Multi-site HA/DR for FlashSystem A9000 and A9000R.

Red Hat OpenShift V4.3 on IBM Power Systems Reference Guide Jun 01 2020 This IBM® Redpaper publication describes how to deploy Red Hat OpenShift V4.3 on IBM Power Systems servers. This book presents reference architectures for deployment, initial sizing guidelines for server, storage, and IBM Cloud® Paks. Moreover, this publication delivers information about initial supported Power System configurations for Red Hat OpenShift V4.3 deployment (bare metal, IBM PowerVM® LE LPARs, and others). This book serves as a guide for how to deploy Red Hat OpenShift V4.3 and provide start guidelines and recommended practices for implementing it on Power Systems and completing it with the supported IBM Cloud Paks. The publication addresses topics for developers, IT architects, IT specialists, sellers, and anyone who wants to implement a Red Hat OpenShift V4.3 and IBM Cloud Paks on IBM Power Systems. This book also provides technical content to transfer how-to skills to the support teams, and solution guidance to the sales team. This book compliments the documentation that is available at IBM Knowledge Center, and also aligns with the educational offerings that are provided by the IBM Systems Technical Education (SSE).

VMware VSphere PowerCLI Reference Oct 25 2019 "VMware vSphere PowerCLI is a must-have tool for any administrator managing VMware vSphere in a Windows environment. Having to repeat vSphere administrative tasks can be time consuming and error-prone, but PowerCLI--created specifically for

Windows environments--allows VMware administrators to automate tasks. Written to the latest PowerCLI, this handy guide shows you step by step how to use the PowerCLI cmdlets for daily administration procedures and frequently performed tasks for VMware vSphere X. The reference is organized by vSphere tasks, providing a practical approach to accessing the information you need while you are on the job. Supported by real world examples and no-nonsense instruction, coverage includes installation, configuration, and management of a vSphere environment, management of the virtual machine life-cycle, security, and monitoring and reporting."

Mastering AWS Lambda May 01 2020 Build cost-effective and highly scalable Serverless applications using AWS Lambda. About This Book Leverage AWS Lambda to significantly lower your infrastructure costs and deploy out massively scalable, event-driven systems and applications Learn how to design and build Lambda functions using real-world examples and implementation scenarios Explore the Serverless ecosystem with a variety of toolsets and AWS services including DynamoDB, API Gateway, and much more! Who This Book Is For If you are a Cloud administrator and/or developer who wishes to explore, learn, and leverage AWS Lambda to design, build, and deploy Serverless applications in the cloud, then this is the book for you! The book assumes you have some prior knowledge and hands-on experience with AWS core services such as EC2, IAM, S3, along with the knowledge to work with any popular programming language such as Node.js, Java, C#, and so on. What You Will Learn Understand the hype, significance, and business benefits of Serverless computing and applications Plunge into the Serverless world of AWS Lambda and master its core components and how it works Find out how to effectively and efficiently design, develop, and test Lambda functions using Node.js, along with some keen coding insights and best practices Explore best practices to effectively monitor and troubleshoot Serverless applications using AWS CloudWatch and other third-party services in the form of Datadog and Loggly Quickly design and develop Serverless applications by leveraging AWS Lambda, DynamoDB, and API Gateway using the Serverless Application Framework (SAF) and other AWS services such as Step Functions Explore a rich variety of real-world Serverless use cases with Lambda and see how you can apply it to your environments In Detail AWS is recognized as one of the biggest market leaders for cloud computing and why not? It has evolved a lot since the time it started out by providing just basic services such as EC2 and S3 and today; they go all the way from IoT to Machine Learning, Image recognition, Chatbot Frameworks, and much more! One of those recent services that is also gaining a lot of traction is AWS Lambda! Although seemingly simple and easy to use, Lambda is a highly effective and scalable compute service that provides developers with a powerful platform to design and develop Serverless event-driven systems and applications. The book begins with a high-level introduction into the world of Serverless computing and its advantages and use cases, followed by a deep dive into AWS Lambda! You'll learn what services AWS Lambda provides to developers; how to design, write, and test Lambda functions; as well as monitor and troubleshoot them. The book is designed and accompanied with a vast variety of real-world examples, use cases, and code samples that will enable you to get started on your Serverless applications quickly. By the end of the book, you will have gained all the skills required to work with AWS Lambda services! Style and approach This step-by-step guide will help you build Serverless applications and run Serverless workloads using the AWS Lambda service. You'll be able to get started with it in a matter of minutes with easy-to-follow code snippets and examples.

Nokia Network Security Solutions Handbook Jun 13 2021 The Nokia Network Security Solutions Handbook introduces readers to both the basics and the finer points of administering, configuring, and securing the Nokia IP-series hardware appliances. It introduces readers to the different hardware models and covers the features associated with each. Installation and setup are covered in detail, as well as installation and configuration of the Check Point firewall on the Nokia system. Readers will learn basic system administration, security, and monitoring before moving into advanced system administration concepts, as well as learning how to use Nokia's command line interface. Routing configurations and the different protocols involved are covered in detail, finishing off with a comprehensive discussion of the High-availability configuration that is Nokia's strength. The appendices include coverage of the UNIX basics

which lie at the heart of the IPSO operating system and a review of the other packages available for Nokia systems (such as Perl and Bash). The only book dedicated to coverage of the latest Nokia hardware and software offerings, from the SOHO appliances to the enterprise-class IP700 series, with an emphasis on administering and securing these systems. Long-term market potential. The operating system referenced will be Nokia IPSO 3.4.1, which has an interface that has been specifically tailored to make upgrading to newer versions of IPSO simple and intuitive. In addition, the underlying interface is UNIX based, which has been a constant for over 30 years. Up-to-the-Minute Web-based Support. Once they have absorbed the content of the book, readers can receive up-to-the minute links, white papers, and analysis for one year at solutions@syngress.com.

Windows 10 at the Command-line Part II Oct 30 2022 Here we are at the second part of this quick start on the command line. Another valid help when the Windows graphic interface no longer responds to commands, or you need to intervene in a more "robust" way on the PC and / or you need more details that are not available through normal daily use. To make a simpler comparison, we can consider a car; everyone knows how to drive it on a daily basis, but few really have any idea how it works, other than the mechanics. This second part "definitely raises the bar" and takes into consideration a whole series of known and lesser known commands, highlighting the effectiveness and at the same time the danger of some commands (if not used in the correct way); examines some commands that may seem useless in their simplicity, but which in reality are very effective if used intelligently and above all in the correct context. If you are a good technician (or would like to be), you should know how to master the command prompt at best. Surely this second part will be useful for you to continue the journey, started with the previous book, in the command prompt and will help you save time in the small and large daily computer challenges.

MSC Nastran 2012 Quick Reference Guide Dec 28 2019

AWS Certified SysOps Administrator - Associate Guide Aug 23 2019 An effective guide to becoming an AWS Certified SysOps Administrator Key Features Not only pass the certification with confidence but also enhance your skills to solving real-world scenarios. A practical guide to getting you hands-on experience with application management, deployment, operation. Enhance your AWS skills with practice questions and mock tests. Book Description AWS certifications are becoming one of the must have certifications for any IT professional working on an AWS Cloud platform. This book will act as your one stop preparation guide to validate your technical expertise in deployment, management, and operations on the AWS platform. Along with exam specific content this book will also deep dive into real world scenarios and hands-on instructions. This book will revolve around concepts like teaching you to deploy, manage, and operate scalable, highly available, and fault tolerant systems on AWS. You will also learn to migrate an existing on-premises application to AWS. You get hands-on experience in selecting the appropriate AWS service based on compute, data, or security requirements. This book will also get you well versed with estimating AWS usage costs and identifying operational cost control mechanisms. By the end of this book, you will be all prepared to implement and manage resources efficiently on the AWS cloud along with confidently passing the AWS Certified SysOps Administrator - Associate exam. What you will learn Create and manage users, groups, and permissions using AWS IAM services Create a secure VPC with public and private subnets, Network Access Control, and security groups Get started with launching your first EC2 instance, and working with it Handle application traffic with ELB and monitor AWS resources with CloudWatch Work with S3, Glacier, and CloudFront Work across distributed application components using SWF Understand event-based processing with Lambda and messaging SQS and SNS in AWS Get familiar with AWS deployment concepts and tools including Elastic Beanstalk, CloudFormation and AWS OpsWorks Who this book is for If you are a system administrator or a system engineer interested in leveraging the AWS platform to deploy applications then, this book is for you. IT professionals interested in passing the AWS Certified Sysops Administrator will also benefit from this book. Some basic understanding of working AWS components would do wonders.

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