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Mastering OpenVPN

Packt Publishing Ltd 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.

Data-at-rest Encryption for the IBM Spectrum Accelerate Family

IBM Redbooks 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.

IBM DS8900F Architecture and Implementation: Updated for Release 9.3

IBM Redbooks This IBM® Redbooks® publication describes the concepts, architecture, and implementation of the IBM DS8900F family. The book provides reference information to assist readers who need to plan for, install, and configure the DS8900F systems. This edition applies to DS8900F systems with IBM DS8000® Licensed Machine Code (LMC) 7.9.30 (bundle version 89.30.xx.x), referred to as Release 9.3. The DS8900F systems are all-flash exclusively, and they are offered as three classes: DS8980F: Analytic Class: The DS8980F Analytic Class offers best performance for organizations that want to expand their workload possibilities to artificial intelligence (AI), Business Intelligence (BI), and machine learning (ML). IBM DS8950F: Agility Class: The Agility Class consolidates all your mission-critical workloads for IBM Z®, IBM LinuxONE, IBM Power, and distributed environments under a single all-flash storage solution. IBM DS8910F: Flexibility Class: The Flexibility Class reduces complexity while addressing various workloads at the lowest DS8900F family entry cost. The DS8900F architecture relies on powerful IBM POWER9™ processor-based servers that manage the cache to streamline disk input/output (I/O), which maximizes performance and throughput. These capabilities are further enhanced by High-Performance Flash Enclosures (HPFE) Gen2. Like its predecessors, the DS8900F supports advanced disaster recovery (DR) solutions, business continuity solutions, and thin provisioning.

IBM DS8880 Architecture and Implementation (Release 8.51)

IBM Redbooks Updated for R8.51 This IBM® Redbooks® publication describes the concepts, architecture, and implementation of the IBM DS8880 family. The book provides reference information to assist readers who need to plan for, install, and configure the DS8880 systems. The IBM DS8000® family is a high-performance, high-capacity, highly secure, and resilient series of disk storage systems. The DS8880 family is the latest and most advanced of the DS8000 offerings to date. The high availability, multiplatform support, including IBM Z, and simplified management tools help provide a cost-effective path to an on-demand and cloud-based infrastructures. The IBM DS8880 family now offers business-critical, all-flash, and hybrid data systems that span a wide range of price points: DS8882F: Rack Mounted storage system DS8884: Business Class DS8886: Enterprise Class DS8888: Analytics Class The DS8884 and DS8886 are available as either hybrid models, or can be configured as all-flash. Each model represents the most recent in this series of high-performance, high-capacity, flexible, and resilient storage systems. These systems are intended to address the needs of the most demanding clients. Two powerful IBM POWER8® processor-based servers manage the cache to streamline disk I/O, maximizing performance and throughput. These capabilities are further enhanced with the availability of the second generation of high-performance flash enclosures (HPFEs Gen-2) and newer flash drives. Like its predecessors, the DS8880 supports advanced disaster recovery (DR) solutions, business continuity solutions, and thin provisioning. All disk drives in the DS8880 storage system include the Full Disk Encryption (FDE) feature. The DS8880 can automatically optimize the use of each storage tier, particularly flash drives, by using the IBM Easy Tier® feature. Release 8.5 introduces the Safeguarded Copy feature. The DS8882F Rack Mounted is described in a separate publication, *Introducing the IBM DS8882F Rack Mounted Storage System, REDP-5505*.

IBM Fibre Channel Endpoint Security for IBM DS8900F and IBM Z

IBM Redbooks This IBM® Redbooks® publication will help you install, configure, and use the new IBM Fibre Channel Endpoint Security function. The focus of this publication is about securing the connection between an IBM DS8900F and the IBM z15™. The solution is delivered with two levels of link security supported: support for link authentication on Fibre Channel links and support for link encryption of data in flight (which also includes link authentication). This solution is targeted for clients needing to adhere to Payment Card Industry (PCI) or other emerging data security standards, and those who are seeking to reduce or eliminate insider threats regarding unauthorized access to data.

Advances in User Authentication

Springer This book is dedicated to advances in the field of user authentication. The book covers detailed description of the authentication process as well as types of authentication modalities along with their several features (authentication factors). It discusses the use of these modalities in a time-varying operating environment, including factors such as devices, media and surrounding conditions, like light, noise, etc. The book is divided into several parts that cover descriptions of several biometric and non-biometric authentication modalities, single factor and multi-factor authentication systems (mainly, adaptive), negative authentication system, etc. Adaptive strategy ensures the incorporation of the existing environmental conditions on the selection of authentication factors and provides significant diversity in the selection process. The contents of this book will prove useful to practitioners, researchers and students. The book is suited to be used a text in advanced/graduate courses on User Authentication Modalities. It can also be used as a textbook for professional development and certification coursework for practicing engineers and computer scientists.

IBM ZPDT Guide and Reference

IBM Redbooks This IBM® Redbooks® publication provides both introductory information and technical details about the IBM System z® Personal Development Tool (IBM zPDT®), which produces a small System z environment suitable for application development. zPDT is a PC Linux application. When zPDT is installed (on Linux), normal System z operating systems (such as IBM z/OS®) can be run on it. zPDT provides the basic System z architecture and emulated IBM 3390 disk drives, 3270 interfaces, OSA interfaces, and so on. The systems that are discussed in this document are complex. They have elements of Linux (for the underlying PC machine), IBM z/Architecture® (for the core zPDT elements), System z I/O functions (for emulated I/O devices), z/OS (the most common System z operating system), and various applications and subsystems under z/OS. The reader is assumed to be familiar with general concepts and terminology of System z hardware and software elements, and with basic PC Linux characteristics. This book provides the primary documentation for zPDT.

Big Data Security

Walter de Gruyter GmbH & Co KG THE SERIES: FRONTIERS IN COMPUTATIONAL INTELLIGENCE The series Frontiers In Computational Intelligence is envisioned to provide comprehensive coverage and understanding of cutting edge research in computational intelligence. It intends to augment the scholarly discourse on all topics relating to the advances in artificial life and machine learning in the form of metaheuristics, approximate reasoning, and robotics. Latest research findings are coupled with applications to varied domains of engineering and computer sciences. This field is steadily growing especially with the advent of novel machine learning algorithms being applied to different domains of engineering and technology. The series brings together leading researchers that intend to continue to advance the field and create a broad knowledge about the most recent research. Series Editor Dr. Siddhartha Bhattacharyya, CHRIST (Deemed to be University), Bangalore, India Editorial Advisory Board Dr. Elizabeth Behrman, Wichita State University, Kansas, USA Dr. Goran Klepac Dr. Leo Mrcic, Algebra University College, Croatia Dr. Aboul Ella Hassanien, Cairo University, Egypt Dr. Jan Platos, VSB-Technical University of Ostrava, Czech Republic Dr. Xiao-Zhi Gao, University of Eastern Finland, Finland Dr. Wellington Pinheiro dos Santos, Federal University of Pernambuco, Brazil

IBM AIX Enhancements and Modernization

IBM Redbooks This IBM® Redbooks publication is a comprehensive guide that covers the IBM AIX® operating system (OS) layout capabilities, distinct features, system installation, and maintenance, which includes AIX security, trusted environment, and compliance integration, with the benefits of IBM Power Virtualization Management (PowerVM®) and IBM Power Virtualization Center (IBM PowerVC), which includes cloud capabilities and automation types. The objective of this book is to introduce IBM AIX modernization features and integration with different environments: General AIX enhancements AIX Live Kernel Update individually or using Network Installation Manager (NIM) AIX security features and integration AIX networking enhancements PowerVC integration and features for cloud environments AIX deployment using IBM Terraform and IBM Cloud Automation Manager AIX automation that uses configuration management tools PowerVM enhancements and features Latest disaster recovery (DR) solutions AIX Logical Volume Manager (LVM) and Enhanced Journaled File System (JFS2) AIX installation and maintenance techniques

FreeRADIUS Beginner's Guide

Packt Publishing Ltd Manage your network resources with FreeRADIUS by mastering authentication, authorization and accounting.

CoreOS in Action

Running Applications on Container Linux

Simon and Schuster Summary CoreOS in Action is a clear tutorial for deploying container-based systems on CoreOS Container Linux. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Traditional Linux server distributions include every component required for anything you might be hosting, most of which you don't need if you've containerized your apps and services. CoreOS Container Linux is a bare-bones distro with only the essential bits needed to run containers like Docker. Container Linux is a fast, secure base layer for any container-centric distributed application, including microservices. And say goodbye to patch scheduling: when Container Linux needs an update, you just hot-swap the whole OS. About the Book CoreOS in Action is a clear tutorial for deploying container-based systems on CoreOS Container Linux. Inside, you'll follow along with examples that teach you to set up CoreOS on both private and cloud systems, and to practice common sense monitoring and upgrade techniques with real code. You'll also explore important container-aware application designs, including microservices, web, and Big Data examples with real-world use cases to put your learning into perspective. Summary Handling scaling and failures gracefully Container-driven application designs Cloud, on-premises, and hybrid deployment Smart logging and backup practices About the Reader Written for readers familiar with Linux and the basics of Docker. About the Author Matt Bailey is currently a technical lead at ZeniMax. He has worked in higher education and with scientific computing, medical, and networking technology companies, as well as a few startups. You can find him online via <https://mdb.io>. Table of Contents PART 1 - GETTING TO KNOW COREOS Introduction to the CoreOS family Getting started on your workstation Expecting failure: fault tolerance in CoreOS PART 2 - APPLICATION ARCHITECTURE CoreOS in production Application architecture and workflow Web stack application example Big Data stack PART 3 - COREOS IN PRODUCTION CoreOS on AWS Bringing it together: deployment System administration

IBM DS8910F Model 993 Rack-Mounted Storage System Release 9.1

IBM Redbooks This IBM Redpaper publication presents and positions the DS8910F Model 993 storage system. This modular system can be integrated into a 16U contiguous space of an IBM z15™ model T02 or IBM z14® Model ZR1 with Feature Code 0937 and IBM LinuxONE III model LT2 or LinuxONE Rockhopper II model LR1 with Feature Code 0938. The DS8910F Model 993 allows you to take advantage of the performance boost of all-flash systems and advanced features while limiting data center footprint and power infrastructure requirements.

Internet of Things, Smart Spaces, and Next Generation Networks and Systems

20th International Conference, NEW2AN 2020, and 13th Conference, ruSMART 2020, St. Petersburg, Russia, August 26–28, 2020, Proceedings, Part II

Springer Nature This book constitutes the joint refereed proceedings of the 20th International Conference on Next Generation Teletraffic and Wired/Wireless Advanced Networks and Systems, NEW2AN 2020, and the 13th Conference on Internet of Things and Smart Spaces, ruSMART 2020. The conference was held virtually due to the COVID-19 pandemic. The 79 revised full papers presented were carefully reviewed and selected from 225 submissions. The papers of NEW2AN address various aspects of next-generation data networks, with special attention to advanced wireless networking and applications. In particular, they deal with novel and innovative approaches to performance and efficiency analysis of 5G and beyond systems, employed game-theoretical formulations, advanced queuing theory, and stochastic geometry, while also covering the Internet of Things, cyber security, optics, signal processing, as well as business aspects. ruSMART 2020, provides a forum for academic and industrial researchers to discuss new ideas and trends in the emerging areas.

IBM System Storage DS8000

Architecture and Implementation (release 8)

Getting Started with z/OS Data Set Encryption

IBM Redbooks This IBM® Redpaper Redbooks® publication provides a broad explanation of data protection through encryption and IBM Z® pervasive encryption with a focus on IBM z/OS® data set encryption. It describes how the various hardware and software components interact in a z/OS data set encryption environment. In addition, this book concentrates on the planning and preparing of the environment and offers implementation, configuration, and operational examples that can be used in z/OS data set encryption environments. This publication is intended for IT architects, system programmer, and security administrators who plan for, deploy, and manage security on the Z platform. The reader is expected to have a basic understanding of IBM Z security concepts.

Windows Server 2008 PKI and Certificate Security

Pearson Education Get in-depth guidance for designing and implementing certificate-based security solutions—straight from PKI expert Brian Komar. No need to buy or outsource costly PKI services when you can use the robust PKI and certificate-based security services already built into Windows Server 2008! This in-depth reference teaches you how to design and implement even the most demanding certificate-based security solutions for wireless networking, smart card authentication, VPNs, secure email, Web SSL, EFS, and code-signing applications using Windows Server PKI and certificate services. A principal PKI consultant to Microsoft, Brian shows you how to incorporate best practices, avoid common design and implementation mistakes, help minimize risk, and optimize security administration.

IBM DS8880 Product Guide (Release 8.51)

IBM Redbooks This IBM Redbooks® Product Guide gives an overview of the features and functions that are available with the IBM DS8880 models running microcode Release 8.51 (DS8000 License Machine Code 8.8.51.xx.xx). The IBM DS8880 architecture relies on powerful IBM POWER8® processor-based servers that manage the cache to streamline disk input/output (I/O), maximizing performance and throughput. These capabilities are further enhanced with the availability of the second generation of high-performance flash enclosures (HPFE Gen-2). The IBM DS8888, DS8886, and DS8884 models excel at supporting the IBM Z Enterprise server and IBM Power server environments, offering many synergy features.

IBM FlashSystem A9000R Product Guide (Version 12.3.1)

IBM Redbooks 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.

Practical Internet of Things Security

Packt Publishing Ltd A practical, indispensable security guide that will navigate you through the complex realm of securely building and deploying systems in our IoT-connected world About This Book Learn to design and implement cyber security strategies for your organization Learn to protect cyber-physical systems and utilize forensic data analysis to beat vulnerabilities in your IoT ecosystem Learn best practices to secure your data from device to the cloud Gain insight into privacy-enhancing techniques and technologies Who This Book Is For This book targets IT Security Professionals and Security Engineers (including pentesters, security architects and ethical hackers) who would like to ensure security of their organization's data when connected through the IoT. Business analysts and managers will also find it useful. What You Will Learn Learn how to break down cross-industry barriers by adopting the best practices for IoT deployments Build a rock-solid security program for IoT that is cost-effective and easy to maintain Demystify complex topics such as cryptography, privacy, and penetration testing to improve your security posture See how the selection of individual components can affect the security posture of the entire system Use Systems Security Engineering and Privacy-by-design principles to design a secure IoT ecosystem Get to know how to leverage the burgeoning cloud-based systems that will support the IoT into the future. In Detail With the advent of Internet of Things (IoT), businesses will be faced with defending against new types of threats. The business ecosystem now includes cloud computing infrastructure, mobile and fixed endpoints that open up new attack surfaces, a desire to share information with many stakeholders and a need to take action quickly based on large quantities of collected data. It therefore becomes critical to ensure that cyber security threats are contained to a minimum when implementing new IoT services and solutions. The interconnectivity of people, devices, and companies raises stakes to a new level as computing and action become even more mobile, everything becomes connected to the cloud, and infrastructure is strained to securely manage the billions of devices that will connect us all to the IoT. This book shows you how to implement cyber-security solutions, IoT design best practices and risk mitigation methodologies to address device and infrastructure threats to IoT solutions. This book will take readers on a journey that begins with understanding the IoT and how it can be applied in various industries, goes on to describe the security challenges associated with the IoT, and then provides a set of guidelines to architect and deploy a secure IoT in your Enterprise. The book will showcase how the IoT is implemented in early-adopting industries and describe how lessons can be learned and shared across diverse industries to support a secure IoT. Style and approach This book aims to educate readers on key areas in IoT security. It walks readers through engaging with security challenges and then provides answers on how to successfully manage IoT security and build a safe infrastructure for smart devices. After reading this book, you will understand the true potential of tools and solutions in order to build real-time security intelligence on IoT networks.

We Have Root

Even More Advice from Schneier on Security

John Wiley & Sons A collection of popular essays from security guru Bruce Schneier In his latest collection of essays, security expert Bruce Schneier tackles a range of cybersecurity, privacy, and real-world security issues ripped from the headlines. Essays cover the ever-expanding role of technology in national security, war, transportation, the Internet of Things, elections, and more. Throughout, he challenges the status quo with a call for leaders, voters, and consumers to make better security and privacy decisions and investments. Bruce's writing has previously appeared in some of the world's best-known and most-respected publications, including The Atlantic, the Wall Street Journal, CNN, the New York Times, the Washington Post, Wired, and many others. And now you can enjoy his essays in one place—at your own speed and convenience. • Timely security and privacy topics • The impact of security and privacy on our world • Perfect for fans of Bruce's blog and newsletter • Lower price than his previous essay collections The essays are written for anyone who cares about the future and implications of security and privacy for society.

OpenVPN 2 Cookbook

Packt Publishing Ltd 100 simple and incredibly effective recipes for harnessing the power of the OpenVPN 2 network.

IBM FlashSystem 5200 Product Guide

IBM Redbooks This IBM® Redbooks® Product Guide publication describes the IBM FlashSystem® 5200 solution, which is a next-generation IBM FlashSystem control enclosure. It is an NVMe end-to-end platform that is targeted at the entry and midrange market and delivers the full capabilities of IBM FlashCore® technology. It also provides a rich set of software-defined storage (SDS) features that are delivered by IBM Spectrum® Virtualize, including the following features: Data reduction and deduplication Dynamic tiering Thin provisioning Snapshots Cloning Replication Data copy services Transparent Cloud Tiering IBM HyperSwap® including 3-site replication for high availability (HA) Scale-out and scale-up configurations further enhance capacity and throughput for better availability. The IBM FlashSystem 5200 is a high-performance storage solution that is based on a revolutionary 1U form factor. It consists of 12 NVMe Flash Devices in a 1U storage enclosure drawer with full redundant canister components and no single point of failure. It is designed for businesses of all sizes, including small, remote, branch offices and regional clients. It is a smarter, self-optimizing solution that requires less management, which enables organizations to overcome their storage challenges. Flash has come of age and price point reductions mean that lower parts of the storage market are seeing the value of moving over to flash and NVMe-based solutions. The IBM FlashSystem 5200 advances this transition by providing incredibly dense tiers of flash in a more affordable package. With the benefit of IBM FlashCore Module compression and new QLC flash-based technology becoming available, a compelling argument exists to move away from Nearline SAS storage and on to NVMe. With the release of IBM FlashSystem 5200 Software V8.4, extra functions and features are available, including support for new Distributed RAID1 (DRAID1) features, GUI enhancements, Redirect-on-write for Data Reduction Pool (DRP) snapshots, and 3-site replication capabilities. This book is aimed at pre-sales and post-sales technical support and marketing and storage administrators.

Solutions Architect's Handbook

Kick-start your solutions architect career by learning architecture design principles and strategies

Packt Publishing Ltd This book will show you how to create robust, scalable, highly available and fault-tolerant solutions by learning different aspects of Solution architecture and next-generation architecture design in the Cloud environment.

Proceedings of the International Conference on Information Engineering, Management and Security 2015

ICIEMS 2015

Association of Scientists, Developers and Faculties (ASDF) ICIEMS 2015 is the conference aim is to provide a platform for researchers, engineers, academicians as well as industrial professionals from all over the world to present their research results and development activities in Engineering Technology, Industrial Engineering, Application Level Security and Management Science. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

IBM FlashSystem 5000 Family Products

IBM Redbooks This IBM® Redbooks® publication provides an introduction and overview of the latest products in the IBM FlashSystem® 5000 Family, including their hardware and software features.

Managed Code Rootkits

Hooking into Runtime Environments

Elsevier Managed Code Rootkits is the first book to cover application-level rootkits and other types of malware inside the application VM, which runs a platform-independent programming environment for processes. The book, divided into four parts, points out high-level attacks, which are developed in intermediate language. The initial part of the book offers an overview of managed code rootkits. It explores environment models of managed code and the relationship of managed code to rootkits by studying how they use application VMs. It also discusses attackers of managed code rootkits and various attack scenarios. The second part of the book covers the development of managed code rootkits, starting with the tools used in producing managed code rootkits through their deployment. The next part focuses on countermeasures that can possibly be used against managed code rootkits, including technical solutions, prevention, detection, and response tactics. The book concludes by presenting techniques that are somehow similar to managed code rootkits, which can be used in solving problems. Named a 2011 Best Hacking and Pen Testing Book by InfoSec Reviews Introduces the reader briefly to managed code environments and rootkits in general Completely details a new type of rootkit hiding in the application level and demonstrates how a hacker can change language runtime implementation Focuses on managed code including Java, .NET, Android Dalvik and reviews malware development scenarios

Adobe GoLive 5.0

Adobe Press Showcases the Web design and publishing tool's updated features, covering toolbars, palettes, site management tools, layout design, Cascading Style Sheets, and image maps.

Introducing the IBM DS8882F Rack Mounted Storage System

IBM Redbooks This IBM® Redpaper™ presents and positions the DS8882F. The DS8882F adds a modular rack-mountable enterprise storage system to the DS8880 family of all-flash enterprise storage systems. The modular system can be integrated into 16U contiguous space of an existing IBM z14™ Model ZR1 (z14 Model ZR1), IBM LinuxONE™ Rockhopper II (z14 Model LR1), or other standard 19-inch wide rack. The DS8882F allows you to take advantage of the performance boost of DS8880 all-flash enterprise systems and advanced features while limiting datacenter footprint and power infrastructure requirements.

Access Control, Authentication, and Public Key Infrastructure

Jones & Bartlett Publishers PART OF THE JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Series meets all standards put forth by CNSS 4011 & 4013A! Access control protects resources against unauthorized viewing, tampering, or destruction. They serve as a primary means of ensuring privacy, confidentiality, and prevention of unauthorized disclosure. Revised and updated with the latest data from this fast paced field, Access Control, Authentication, and Public Key Infrastructure defines the components of access control, provides a business framework for implementation, and discusses legal requirements that impact access control programs. It looks at the risks, threats, and vulnerabilities prevalent in information systems and IT infrastructures and how to handle them. It provides a student and professional resource that details how to put access control systems to work as well as testing and managing them. New to the Second Edition: Updated references to Windows 8 and Outlook 2011 A new discussion of recent Chinese hacking incidence Examples depicting the risks associated with a missing unencrypted laptop containing private data. New sections on the Communications Assistance for Law Enforcement Act (CALEA) and granting Windows folder permissions are added. New information on the Identity Theft Enforcement and Restitution Act and the Digital Millennium Copyright Act (DMCA).

Advances in Cryptology

Proceedings of Crypto 83

Springer Science & Business Media An international community of researchers is now flourishing in the area of cryptology—there was none half-a-dozen years ago. The intrinsic fascination of the field certainly is part of the explanation. Another factor may be that many sense the importance and potential consequences of this work, as we move into the information age. I believe that the various meetings devoted to cryptology over the past few years have contributed quite significantly to the formation of this community, by allowing those in the field to get to know each other and by providing for rapid exchange of ideas. CRYPTO 83 was once again truly the cryptologic event of the year. Many of the most active participants continue to attend each year, and attendance continues to grow at a healthy rate. The informal and collegial atmosphere and the beach side setting which contribute to the popularity of the event were again supported by flawless weather. The absence of parallel sessions seemed to provide a welcome opportunity to keep abreast of developments in the various areas of activity. Each session of the meeting organized by the program committee is represented by a section in the present volume. The papers were accepted by the program committee based on abstracts, and appear here without having been otherwise refereed. The last section contains papers presented at the informal rump session. A keyword index and an author index to the papers is provided at the end of the volume.

Big Green Egg Cookbook

Celebrating the World's Best Smoker & Grill

Andrews McMeel Publishing The Big Green Egg Cookbook is the first cookbook specifically celebrating this versatile ceramic cooker. Available in five sizes, Big Green Egg ceramic cookers can sear, grill, smoke, roast, and bake. Here is the birthday gift EGGheads have been waiting for, offering a variety of cooking and baking recipes encompassing the cooker's capabilities as a grill, a smoker, and an oven. The book's introduction explains the ancient history of ceramic cookers and the loyal devotion of self-proclaimed EGGheads to these dynamic, original American-designed cookers. Complete with more than 160 recipes, 100 color photographs, and as many clever cooking tips, the Big Green Egg Cookbook is a must for the more than 1 million EGG owners in the United States and a great introduction for anyone wanting to crack the shell of EGGhead culture.

Machine Learning for Big Data Analysis

Walter de Gruyter GmbH & Co KG This volume comprises six well-versed contributed chapters devoted to report the latest findings on the applications of machine learning for big data analytics. Big data is a term for data sets that are so large or complex that traditional data processing application software is inadequate to deal with them. The possible challenges in this direction include capture, storage, analysis, data curation, search, sharing, transfer, visualization, querying, updating and information privacy. Big data analytics is the process of examining large and varied data sets - i.e., big data - to uncover hidden patterns, unknown correlations, market trends, customer preferences and other useful information that can help organizations make more-informed business decisions. This volume is intended to be used as a reference by undergraduate and post graduate students of the disciplines of computer science, electronics and telecommunication, information science and electrical engineering. THE SERIES: FRONTIERS IN COMPUTATIONAL INTELLIGENCE The series Frontiers In Computational Intelligence is envisioned to provide comprehensive coverage and understanding of cutting edge research in computational intelligence. It intends to augment the scholarly discourse on all topics relating to the advances in artificial life and machine learning in the form of metaheuristics, approximate reasoning, and robotics. Latest research findings are coupled with applications to varied domains of engineering and computer sciences. This field is steadily growing especially with the advent of novel machine learning algorithms being applied to different domains of engineering and technology. The series brings together leading researchers that intend to continue to advance the field and create a broad knowledge about the most recent research.

IBM Power System E950: Technical Overview and Introduction

IBM Redbooks This IBM® Redpaper™ publication gives a broad understanding of a new architecture of the IBM Power System E950 (9040-MR9) server that supports IBM AIX®, and Linux operating systems. The objective of this paper is to introduce the major innovative Power E950 offerings and relevant functions: The IBM POWER9™ processor, which is available at frequencies of 2.8 - 3.4 GHz. Significantly strengthened cores and larger caches. Supports up to 16 TB of memory, which is four times more than the IBM POWER8® processor-based IBM Power System E850 server. Integrated I/O subsystem and hot-pluggable Peripheral Component Interconnect Express (PCIe) Gen4 slots, which have double the bandwidth of Gen3 I/O slots. Supports EXP12SX and ESP24SX external disk drawers, which have 12 Gb Serial Attached SCSI (SAS) interfaces and support Active Optical Cables (AOCs) for greater distances and less cable bulk. New IBM EnergyScale™ technology offers new variable processor frequency modes that provide a significant performance boost beyond the static nominal frequency. This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. The intended audience includes the following roles: Clients Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors (ISVs) This paper expands the current set of Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power E950 server. This paper does not replace the current marketing materials and configuration tools. It is intended as an extra source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

The Death of Cancer

After Fifty Years on the Front Lines of Medicine, a Pioneering Oncologist Reveals Why the War on Cancer Is Winnable--and How We Can Get There

Sarah Crichton Books Cancer touches everybody's life in one way or another. But most of us know very little about how the disease works, why we treat it the way we do, and the personalities whose dedication got us where we are today. For fifty years, Dr. Vincent T. DeVita Jr. has been one of those key players: he has held just about every major position in the field, and he developed the first successful chemotherapy treatment for Hodgkin's lymphoma, a breakthrough the American Society of Clinical Oncologists has called the top research advance in half a century of chemotherapy. As one of oncology's leading figures, DeVita knows what cancer looks like from the lab bench and the bedside. The Death of Cancer is his illuminating and deeply personal look at the science and the history of one of the world's most formidable diseases. In DeVita's hands, even the most complex medical concepts are comprehensible. Cowritten with DeVita's daughter, the science writer Elizabeth DeVita-Raeburn, The Death of Cancer is also a personal tale about the false starts and major breakthroughs, the strong-willed oncologists who clashed with conservative administrators (and one another), and the courageous patients whose willingness to test cutting-edge research helped those oncologists find potential treatments. An emotionally compelling and informative read, The Death of Cancer is also a call to arms. DeVita believes that we're well on our way to curing cancer but that there are things we need to change in order to get there. Mortality rates are declining, but America's cancer patients are still being shortchanged—by timid doctors, by misguided national agendas, by compromised bureaucracies, and by a lack of access to information about the strengths and weaknesses of the nation's cancer centers. With historical depth and authenticity, DeVita reveals the true story of the fight against cancer. The Death of Cancer is an ambitious, vital book about a life-and-death subject that touches us all.

iSCSI Implementation and Best Practices on IBM Storwize Storage Systems

IBM Redbooks This IBM® Redbooks® publication helps administrators and technical professionals understand Internet Small Computer System Interface (iSCSI) and how to implement it for use with IBM Storwize® storage systems. iSCSI can be used alone or with other technologies. This publication provides an overview of the iSCSI protocol and helps you understand how it is similar to and different from Fibre Channel (FC) technology. It helps you plan and design your network topology. It explains how to configure your IBM Storwize storage systems and hosts (including IBM AIX®, Linux, VMware, and Microsoft Windows hosts) to interact with it. It also provides an overview of using IBM Storwize storage systems with OpenStack. This book describes configuring iSCSI for IBM Storwize and SAN Volume Controller storage systems at Version 7.6 or later. In addition to configuration, this publication provides information about performance and troubleshooting.

SEED Labs

Instructor Manual

Instructor manual (for instructors only)

Core Security Patterns

Best Practices and Strategies for J2EE, Web Services, and Identity Management

Prentice Hall Praise for Core Security Patterns Java provides the application developer with essential security mechanisms and support in avoiding critical security bugs common in other languages. A language, however, can only go so far. The developer must understand the security requirements of the application and how to use the features Java provides in order to meet those requirements. *Core Security Patterns* addresses both aspects of security and will be a guide to developers everywhere in creating more secure applications. --Whitfield Diffie, inventor of Public-Key Cryptography A comprehensive book on Security Patterns, which are critical for secure programming. --Li Gong, former Chief Java Security Architect, Sun Microsystems, and coauthor of *Inside Java 2 Platform Security* As developers of existing applications, or future innovators that will drive the next generation of highly distributed applications, the patterns and best practices outlined in this book will be an important asset to your development efforts. --Joe Uniejewski, Chief Technology Officer and Senior Vice President, RSA Security, Inc. This book makes an important case for taking a proactive approach to security rather than relying on the reactive security approach common in the software industry. --Judy Lin, Executive Vice President, VeriSign, Inc. *Core Security Patterns* provides a comprehensive patterns-driven approach and methodology for effectively incorporating security into your applications. I recommend that every application developer keep a copy of this indispensable security reference by their side. --Bill Hamilton, author of *ADO.NET Cookbook*, *ADO.NET in a Nutshell*, and *NUnit Pocket Reference* As a trusted advisor, this book will serve as a Java developer's security handbook, providing applied patterns and design strategies for securing Java applications. --Shaheen Nasirudheen, CISSP, Senior Technology Officer, JPMorgan Chase Like *Core J2EE Patterns*, this book delivers a proactive and patterns-driven approach for designing end-to-end security in your applications. Leveraging the authors strong security experience, they created a must-have book for any designer/developer looking to create secure applications. --John Crupi, Distinguished Engineer, Sun Microsystems, coauthor of *Core J2EE Patterns* *Core Security Patterns* is the hands-on practitioner's guide to building robust end-to-end security into J2EE™ enterprise applications, Web services, identity management, service provisioning, and personal identification solutions. Written by three leading Java security architects, the patterns-driven approach fully reflects today's best practices for security in large-scale, industrial-strength applications. The authors explain the fundamentals of Java application security from the ground up, then introduce a powerful, structured security methodology; a vendor-independent security framework; a detailed assessment checklist; and twenty-three proven security architectural patterns. They walk through several realistic scenarios, covering architecture and implementation and presenting detailed sample code. They demonstrate how to apply cryptographic techniques; obfuscate code; establish secure communication; secure J2ME™ applications; authenticate and authorize users; and fortify Web services, enabling single sign-on, effective identity management, and personal identification using Smart Cards and Biometrics. *Core Security Patterns* covers all of the following, and more: What works and what doesn't: J2EE application-security best practices, and common pitfalls to avoid Implementing key Java platform security features in real-world applications Establishing Web Services security using XML Signature, XML Encryption, WS-Security, XKMS, and WS-I Basic security profile Designing identity management and service provisioning systems using SAML, Liberty, XACML, and SPML Designing secure personal identification solutions using Smart Cards and Biometrics Security design methodology, patterns, best practices, reality checks, defensive strategies, and evaluation checklists End-to-end security architecture case study: architecting, designing, and implementing an end-to-end security solution for large-scale applications

Simple Recipes for Your Breville Smart Air Fryer: 40 Simple Recipes To Make With The Air Fryer For Healthy And Tasty Dishes

Carol Evans Are you ready to discover the most wanted air fryer recipes for your everyday meals? Buy this cookbook and your family will thank you! This cookbook will help you get the most out of your air fryer. You will learn what foods to cook using an air fryer and how to make tasty, fun and delicious recipes. I have made sure that all of the recipes you will find in this book are simple, fast, easy to follow and can be made by anyone. This book covers: Breakfast Lunch Snacks Dinner Desserts And much more! What are you waiting for? Don't wait anymore, buy now this book and get started.

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Data Center Virtualization Certification VCP6.5-DCV Exam Guide

Deploy and configure vSphere infrastructure and learn to effectively create and administer vSphere virtual machines Key Features Implement advanced network virtualization techniques Configure and administer vSphere high availability Enhance your data center virtualization skills with practice questions and mock tests Book Description This exam guide enables you to install, configure, and manage the vSphere 6.5 infrastructure in all its components: vCenter Server, ESXi hosts, and virtual machines, while helping you to prepare for the industry standard certification. This data center book will assist you in automating administration tasks and enhancing your environment's capabilities. You will begin with an introduction to all aspects related to security, networking, and storage in vSphere 6.5. Next, you will learn about resource management and understand how to back up and restore the vSphere 6.5 infrastructure. As you advance, you will also cover troubleshooting, deployment, availability, and virtual machine management. This is followed by two mock tests that will test your knowledge and challenge your understanding of all the topics included in the exam. By the end of this book, you will not only have learned about virtualization and its techniques, but you'll also be prepared to pass the VCP6.5-DCV (2V0-622) exam. What you will learn Deploy and configure vSphere infrastructure Create and administer vSphere virtual machines Optimize, secure, and troubleshoot all vSphere components Implement vSphere HA on a vSAN cluster Understand how to back up and restore your vSphere 6.5 infrastructure Test your understanding of key concepts required through sample questions Who this book is for If you are interested in achieving Data Center Virtualization certification, this is the book is for you. You will also benefit from this book if you are a system administrator or network engineer. Some prior knowledge of virtualization can assist you in understanding key concepts covered in the book.