Hp Nonstop Server Security A Practical Handbook 1st Edition

Since the last publication of the Ernst and Young book on Tandem security in the early 90's, there has been no such book on the subject. We've taken on the task of supplying a new Handbook whose content provides current, generic information about securing HP NonStop servers. Emphasis is placed on explaining security risks and best practices relevant to NonStop environments, and how to deploy native security tools (Guardian and Safeguard). All third party vendors who supply security solutions relevant to NonStop servers are listed, along with contact information for each vendor. The Handbook is a source for critical information to NonStop professionals and NonStop security administrators in particular. However, it is written in such a way as to also be extremely useful to readers new to the NonStop platform and to information security. This handbook familiarizes auditors and those responsible for security configuration and monitoring with the aspects of the HP NonStop server operating system that make the NonStop Server unique, the security risks these aspects create, and the best ways to mitigate these risks. · Addresses

the lack of security standards for the NonStop server · Provides information robust enough to train more security-knowledgeable staff · The ideal accompaniment to any new HP NonStop system.

What are the ingredients of robust, elegant, flexible, and maintainable software architecture? Beautiful Architecture answers this question through a collection of intriguing essays from more than a dozen of today's leading software designers and architects. In each essay, contributors present a notable software architecture, and analyze what makes it innovative and ideal for its purpose. Some of the engineers in this book reveal how they developed a specific project, including decisions they faced and tradeoffs they made. Others take a step back to investigate how certain architectural aspects have influenced computing as a whole. With this book, you'll discover: How Facebook's architecture is the basis for a data-centric application ecosystem The effect of Xen's well-designed architecture on the way operating systems evolve How community processes within the KDE project help software architectures evolve from rough sketches to beautiful systems How creeping featurism has helped GNU Emacs gain unanticipated functionality The magic behind

the Jikes RVM self-optimizable, self-hosting runtime Design choices and building blocks that made Tandem the choice platform in high-availability environments for over two decades Differences and similarities between object-oriented and functional architectural views How architectures can affect the software's evolution and the developers' engagement Go behind the scenes to learn what it takes to design elegant software architecture, and how it can shape the way you approach your own projects, with Beautiful Architecture.

From the basics of programming in the Qshell on iSeries to complete coverage of previously undocumented topics, programmers will not only learn the Qshell more easily than they can with the Qshell manual from IBM, they will also learn practical applications of using the Qshell effectively. Written for users who are more comfortable with DDS, CL, and RPG as well as those using modern languages such as C and Java, this book allows those who are unfamiliar with Unix to easily learn this technology, which otherwise might be foreign to them. Although written specifically for iSeries programmers, the information gleaned here will be largely applicable to the shells for Linux and Unix, so programmers not familiar

with those platforms will find those shells much easier to learn after learning Qshell. This book shows what IT in organizations need to accomplish to implement The National Strategy for the Physical Protection of Critical Infrastructures and Key Assets and The National Strategy to Secure Cyberspace which were developed by the Department of Homeland Security after the terrorist attacks of September 2001. The September 11, 2001, attacks illustrated the immense vulnerability to terrorist threats. Since then there have been considerable efforts to develop plans and methods to protect critical infrastructures and key assets. The government at all levels, private sector organizations, as well as concerned citizens have begun to establish partnerships and to develop action plans. But there are many questions yet to be answered about what organizations should actual do to protect their assets and their people while participating in national efforts to improve security. This book provides practical steps that IT managers in all organizations and sectors can take to move security from the planning process into practice. *A one-minute manager approach to issuesp provides background and explanations in all areas *Step-by-step instructions on how to

accomplish objectives guide readers through processes *Easy to implement advice allows readers to take quick action
The UNIX-haters Handbook
Multiprocessors, Clusters, Parallel Systems, Web Servers, Storage Solutions
Physical Security for IT
Principles and Paradigms
IBM Sterling Managed File Transfer Integration with WebSphere Connectivity for a Multi-Enterprise Solution
Core Security Features

FileMaker 8 Functions and Scripts Desk Reference is the only book on the market expressly focused on describing each calculation formula and how and when to use each one. With this book's real-world, concrete examples of how to use each function, you will go far beyond FileMaker 8's help system. Just as a dictionary helps supplement one's memory, this book is an invaluable companion to users working to develop solutions to their every day software problems.

This book is for all people who are forced to use UNIX. It is a humorous book--pure entertainment--that maintains that UNIX is a computer virus with a user interface. It features letters from the thousands posted on the Internet's "UNIX-Haters" mailing list. It is not a computer handbook, tutorial, or reference. It is a

self-help book that will let readers know they are not alone.

Water management and disasters, including droughts and floods are becoming very important subjects in the international platforms. This book will provide information about high technology techniques to solve important problems using remote sensing and GIS for topics such as the environmental security, water resources management, disaster forecast and prevention and information security.

Required reading for anyone involved in computer investigations or computer administration!

Distributed Systems

Information is Beautiful

From Parallel Processing to the Internet of Things

Second Edition

Integration of Information for Environmental Security

Cloud Computing

This work documents how HP's successive CEOs have contributed to the company's process of corporate becoming. The strategic leadership frameworks used to illuminate these contributions will be helpful for theory development and offer practical tools for founders of new companies and CEOs and boards of directors of existing companies.

The physical security of IT, network, and telecommunications assets is equally as important as cyber security. We justifiably fear the hacker, the virus writer and the cyber terrorist. But the disgruntled employee, the thief, the vandal, the corporate

foe, and yes, the terrorist can easily cripple an organization by doing physical damage to IT assets. In many cases such damage can be far more difficult to recover from than a hack attack or malicious code incident. It does little good to have great computer security if wiring closets are easily accessible or individuals can readily walk into an office and sit down at a computer and gain access to systems and applications. Even though the skill level required to hack systems and write viruses is becoming widespread, the skill required to wield an ax, hammer, or fire hose and do thousands of dollars in damage is even more common. Although many books cover computer security from one perspective or another, they do not thoroughly address physical security. This book shows organizations how to design and implement physical security plans. It provides practical, easy-to-understand and readily usable advice to help organizations to improve physical security for IT, network, and telecommunications assets. * Expert advice on identifying physical security needs * Guidance on how to design and implement security plans to prevent the physical destruction of, or tampering with computers, network equipment, and telecommunications systems * Explanation of the processes for establishing a physical IT security function * Step-by-step instructions on how to accomplish physical security objectives * Illustrations of the major elements of a physical IT security plan * Specific guidance on how to develop and document physical security methods and procedures

This second edition of Distributed Systems, Principles & Paradigms, covers the principles, advanced concepts, and technologies of distributed systems in detail, including: communication, replication, fault tolerance, and security. Intended for use in a senior/graduate level distributed systems course or by professionals, this text systematically shows how distributed systems are designed and

implemented in real systems.

Covering both the theoretical and practical aspects of fault-tolerant mobile systems, and fault tolerance and analysis, this book tackles the current issues of reliability-based optimization of computer networks, fault-tolerant mobile systems, and fault tolerance and reliability of high speed and hierarchical networks. The book is divided into six parts to facilitate coverage of the material by course instructors and computer systems professionals. The sequence of chapters in each part ensures the gradual coverage of issues from the basics to the most recent developments. A useful set of references, including electronic sources, is listed at the end of each chapter. Contents:Fundamental Concepts in Fault Tolerance and Reliability AnalysisFault Modeling, Simulation and DiagnosisError Control and Self-Checking CircuitsFault Tolerance in Multiprocessor SystemsFault-Tolerant Routing in Multi-Computer NetworksFault Tolerance and Reliability in Hierarchical Interconnection NetworksFault Tolerance and Reliability of Computer NetworksFault Tolerance in High Speed Switching NetworksFault Tolerance in Distributed and Mobile Computing SystemsFault Tolerance in Mobile NetworksReliability and Yield Enhancement of VLSI/WSI CircuitsDesign of fault-tolerant Processor ArraysAlgorithm-Based Fault ToleranceSystem Level Diagnosis ISystem Level Diagnosis IIFault Tolerance and Reliability of RAID SystemsHigh Availability in Computer Systems Readership: Computer engineers, computer scientists, information scientists, graduate and senior undergraduate students in information science and computer engineering. Keywords:Fault Tolerance;Reliability;Availability;Fault Modeling;Fault Diagnosis;Network ReliabilityKey Features:Comprehensive coverage of issues in fault tolerance and reliability analysisSimple treatment of difficult issues via examples with figures, tables and graphs

Implementing Homeland Security for Enterprise IT
Kali Linux Penetration Testing Bible
Business Continuity and Disaster Recovery for InfoSec
Managers
Design and Analysis of Reliable and Fault-Tolerant Computer
Systems
FileMaker 8 Functions and Scripts Desk Reference
Qshell for ISeries

Windows Server 2003 Security Infrastructures is a must for anyone that wants to know the nuts and bolts of Windows Server 2003 security and wants to leverage the operating system's security infrastructure components to build a more secure I.T. infrastructure. The primary goal of this book is to provide insights into the security features and technologies of the Windows Server 2003 operating system. It also highlights the security principles an architect should remember when designing an infrastructure that is rooted on the Windows Server 2003 OS. *Explains nuts and bolts of Windows Server 2003 security *Provides practical insights into how to deploy and administer secure Windows Server 2003 infrastructures *Draws on the experience of a lead consultant in the Microsoft security area
Confused about zSeries Mainframes? Need to understand the z/OS operating system - and in a hurry? Then you've just found the book you need.Avoiding technical jargon, this book gives you the basic facts in clear, light-hearted, entertaining English. You'll quickly learn what Mainframes are, what they do, what runs on them, and terms and terminology you need to speak Mainframe-ese.But it's not all technical. There's also invaluable information on the people that work on Mainframes, Mainframe management issues, new Mainframe trends, and other facts that don't seem to be written down anywhere else.Programmers, managers, recruitment consultants, and industry commentators will all find this

book their new best friend when trying to understand the Mainframe world.

This book is a introductory guide to the NonStop Kernel operating system used on HP NonStop Servers.It is a practical guide and will lead the inexperienced user by the hand, to show him how to use the NonStop Kernel in very simple and easy-to-use steps.

A guide geared toward seasoned Linux and Unix administrators offers practical knowledge for managing a range of Linux systems and servers, covering such topics as installing servers, setting up e-mail systems, and creating shell scripts.

IBM Security Solutions Architecture for Network, Server and Endpoint

Principles of Information Security

Managing the Digital Firm

Management Information Systems

Theory and Practice

Microsoft Windows Security Fundamentals

Recent corporate events have exposed the frequency and consequences of poor system security implementations and inadequate protection of private information. In a world of increasingly complex computing environments, myriad compliance regulations and the soaring costs of security breaches, it is economically essential for companies to become proactive in implementing effective system and data security measures. This volume is a comprehensive reference for understanding security risks, mitigations and best practices as they apply to the various components of these business-critical computing environments. HP NonStop Servers are used by Financial, Medical, Manufacturing enterprises where there can be no down time. Securing HP NonStop Servers in an Open Systems World: OSS, TCP/IP, and SQL takes a wide angle view of NonStop Server use. This book addresses protection of

the Open Systems Services environment, network interfaces including TCP/IP and standard SQL databases. It lays out a roadmap of changes since our first book HP has made to Safeguard, elaborating on the advantages and disadvantages of implementing each new version. Even the security aspects of managing Operating System upgrades are given attention. Auditors, security policy makers, information security administrators and system managers will find the practical information they need for putting security principles into practice to meet industry standards as well as compliance regulations. * Addresses security issues in Open Systems Services * Critical security topics for network interfaces TCP/IP, SQL, etc. * Updates to safeguard thru since publication of XYPRO's last book

Since the last publication of the Ernst and Young book on Tandem security in the early 90's, there has been no such book on the subject. We've taken on the task of supplying a new Handbook whose content provides current, generic information about securing HP NonStop servers. Emphasis is placed on explaining security risks and best practices relevant to NonStop environments, and how to deploy native security tools (Guardian and Safeguard). All third party vendors who supply security solutions relevant to NonStop servers are listed, along with contact information for each vendor. The Handbook is a source for critical information to NonStop professionals and NonStop security administrators in particular. However, it is written in such a way as to also be extremely useful to readers new to the NonStop platform and to information security. This handbook familiarizes auditors and those responsible for security configuration and monitoring with the aspects of the HP NonStop server operating system that make the NonStop Server unique, the security risks these aspects create, and the best ways to mitigate these risks. · Addresses the lack of security standards for the NonStop server · Provides

information robust enough to train more security-knowledgeable staff · The ideal accompaniment to any new HP NonStop system

Discover the latest trends, developments and technology in information security today with Whitman/Mattord's market-leading PRINCIPLES OF INFORMATION SECURITY, 7th Edition. Designed specifically to meet the needs of those studying information systems, this edition's balanced focus addresses all aspects of information security, rather than simply offering a technical control perspective. This overview explores important terms and examines what is needed to manage an effective information security program. A new module details incident response and detection strategies. In addition, current, relevant updates highlight the latest practices in security operations as well as legislative issues, information management toolsets and digital forensics. Coverage of the most recent policies and guidelines that correspond to federal and international standards further prepare you for success both in information systems and as a business decision-maker. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Widely praised for its balanced treatment of computer ethics, Ethics for the Information Age offers a modern presentation of the moral controversies surrounding information technology. Topics such as privacy and intellectual property are explored through multiple ethical theories, encouraging readers to think critically about these issues and to make their own ethical decisions.

Introduction to Storage Area Networks

Leading Thinkers Reveal the Hidden Beauty in Software Design

IBM i 7.2 Technical Overview with Technology Refresh Updates

Jumpstart for Network and Systems Administrators
Securing HP NonStop Servers in an Open Systems World
Linux System Administration

This is the first of two books serving as an expanded and up-dated version of Windows Server 2003 Security Infrastructures for Windows 2003 Server R2 and SP1 & SP2. The authors choose to encompass this material within two books in order to illustrate the intricacies of the different paths used to secure MS Windows server networks. Since its release in 2003 the Microsoft Exchange server has had two important updates, SP1 and SP2. SP1, allows users to increase their security, reliability and simplify the administration of the program. Within SP1, Microsoft has implemented R2 which improves identity and access management across security-related boundaries. R2 also improves branch office server management and increases the efficiency of storage setup and management. The second update, SP2 minimizes spam, pop-ups and unwanted downloads. These two updated have added an enormous amount of programming security to the server software. * Covers all SP1 and SP2 updates * Details strategies for patch management * Provides key techniques to maintain security application upgrades and updates
This book starts with the basic premise that a service is comprised of the 3Ps-products, processes, and people. Moreover, these entities

and their sub-entities interlink to support the services that end users require to run and support a business. This widens the scope of any availability design far beyond hardware and software. It also increases t

A visual guide to the way the world really works Every day, every hour, every minute we are bombarded by information - from television, from newspapers, from the internet, we're steeped in it, maybe even lost in it. We need a new way to relate to it, to discover the beauty and the fun of information for information's sake. No dry facts, theories or statistics. Instead, Information is Beautiful contains visually stunning displays of information that blend the facts with their connections, their context and their relationships - making information meaningful, entertaining and beautiful. This is information like you have never seen it before - keeping text to a minimum and using unique visuals that offer a blueprint of modern life - a map of beautiful colour illustrations that are tactile to hold and easy to flick through but intriguing and engaging enough to study for hours.

This IBM® Redbooks® publication describes how IBM has enhanced its managed file transfer portfolio consisting of MQ File Transfer Edition with the Sterling Business Integration Suite. The Sterling Business Integration Suite consists of Sterling File Gateway and Sterling

Connect:Direct. Sterling Commerce, an IBM company, transforms and optimizes your business collaboration network by improving business agility, efficiency, and performance. These managed file transfer components from Sterling Commerce, an IBM company, partnered with MQ File Transfer Edition deliver proven value by protecting privacy and integrity of data in transit with governance, eliminate operations cell center traffic regarding file transfer exceptions, show a faster time to revenue, and bring a six-sigma level performance to key business processes. The integration and combination of these products allows for organizations to switch between protocols internally, allowing for diversity across business needs while still positioning the organization to easily move files outside their secured intra-enterprise network through an edge server to the external trading partner regardless of what protocol the external trading partner is using. This book is intended for organizations that find themselves wanting to trade data in a secure, reliable, and auditable way across both intra-enterprise and multi-enterprise protocols.
Distributed and Cloud Computing
A Practical Handbook
Beautiful Architecture
The Universal Machine
Forensic Science, Computers and the Internet
Environmental Security - Information Security -

Disaster Forecast and Prevention - Water Resources Management

This IBM® Redbooks® publication provides a technical overview of the features, functions, and enhancements that are available in IBM i 7.2, including all the available Technology Refresh (TR) levels, from TR1 to TR3. This publication provides a summary and brief explanation of the many capabilities and functions in the operating system. It also describes many of the licensed programs and application development tools that are associated with IBM i. The information that is provided in this book is useful for clients, IBM Business Partners, and IBM service professionals that are involved with planning, supporting, upgrading, and implementing IBM i 7.2 solutions.
The superabundance of data that is created by today's businesses is making storage a strategic investment priority for companies of all sizes. As storage takes precedence, the following major initiatives emerge: Flatten and converge your network: IBM® takes an open, standards-based approach to implement the latest advances in the flat, converged data center network designs of today. IBM Storage solutions enable clients to deploy a high-speed, low-latency Unified Fabric Architecture. Optimize and automate

virtualization: Advanced virtualization awareness reduces the cost and complexity of deploying physical and virtual data center infrastructure. Simplify management: IBM data center networks are easy to deploy, maintain, scale, and virtualize, delivering the foundation of consolidated operations for dynamic infrastructure management. Storage is no longer an afterthought. Too much is at stake. Companies are searching for more ways to efficiently manage expanding volumes of data, and to make that data accessible throughout the enterprise. This demand is propelling the move of storage into the network. Also, the increasing complexity of managing large numbers of storage devices and vast amounts of data is driving greater business value into software and services. With current estimates of the amount of data to be managed and made available increasing at 60% each year, this outlook is where a storage area network (SAN) enters the arena. SANs are the leading storage infrastructure for the global economy of today. SANs offer simplified storage management, scalability, flexibility, and availability; and improved data access, movement, and backup. Welcome to the cognitive era. The smarter data center with the improved economics of IT can be

achieved by connecting servers and storage with a high-speed and intelligent network fabric. A smarter data center that hosts IBM Storage solutions can provide an environment that is smarter, faster, greener, open, and easy to manage. This IBM® Redbooks® publication provides an introduction to SAN and Ethernet networking, and how these networks help to achieve a smarter data center. This book is intended for people who are not very familiar with IT, or who are just starting out in the IT world.
Management Information Systems provides comprehensive and integrative coverage of essential new technologies, information system applications, and their impact on business models and managerial decision-making in an exciting and interactive manner. The twelfth edition focuses on the major changes that have been made in information technology over the past two years, and includes new opening, closing, and Interactive Session cases.
Today, organizations face tremendous challenges with data explosion and information governance. InfoSphereTM OptimTM solutions solve the data growth problem at the source by managing the enterprise application data. The Optim Data Growth solutions are consistent, scalable

solutions that include comprehensive capabilities for managing enterprise application data across applications, databases, operating systems, and hardware platforms. You can align the management of your enterprise application data with your business objectives to improve application service levels, lower costs, and mitigate risk. In this IBM® Redbooks® publication, we describe the IBM InfoSphere Optim Data Growth solutions and a methodology that provides implementation guidance from requirements analysis through deployment and administration planning. We also discuss various implementation topics including system architecture design, sizing, scalability, security, performance, and automation. This book is intended to provide various systems development professionals, Data Solution Architects, Data Administrators, Modelers, Data Analysts, Data Integrators, or anyone who has to analyze or integrate data structures, a broad understanding about IBM InfoSphere Optim Data Growth solutions. By being used in conjunction with the product manuals and online help, this book provides guidance about implementing an optimal solution for managing your enterprise application data.

Server Architectures
High Availability IT Services
Windows Server 2003 Security
Infrastructures
Voice over Internet Protocol (VoIP) Security
Becoming Hewlett Packard
The Nonstop Webserver

Your ultimate guide to pentesting with Kali Linux Kali is a popular and powerful Linux distribution used by cybersecurity professionals around the world. Penetration testers must master Kali's varied library of tools to be effective at their work. The Kali Linux Penetration Testing Bible is the hands-on and methodology guide for pentesting with Kali. You'll discover everything you need to know about the tools and techniques hackers use to gain access to systems like yours so you can erect reliable defenses for your virtual assets. Whether you're new to the field or an established pentester, you'll find what you need in this comprehensive guide. Build a modern dockerized environment Discover the fundamentals of the bash language in Linux Use a variety of effective techniques to find vulnerabilities (OSINT, Network Scan, and more) Analyze your findings and identify false positives and uncover advanced subjects, like buffer overflow, lateral movement, and

privilege escalation Apply practical and efficient pentesting workflows Learn about Modern Web Application Security Secure SDLC Automate your penetration testing with Python

Cloud Computing: Theory and Practice provides students and IT professionals with an in-depth analysis of the cloud from the ground up. Beginning with a discussion of parallel computing and architectures and distributed systems, the book turns to contemporary cloud infrastructures, how they are being deployed at leading companies such as Amazon, Google and Apple, and how they can be applied in fields such as healthcare, banking and science. The volume also examines how to successfully deploy a cloud application across the enterprise using virtualization, resource management and the right amount of networking support, including content delivery networks and storage area networks. Developers will find a complete introduction to application development provided on a variety of platforms. Learn about recent trends in cloud computing in critical areas such as: resource management, security, energy consumption, ethics, and complex systems Get a detailed hands-on set of practical recipes that help simplify the

deployment of a cloud based system for practical use of computing clouds along with an in-depth discussion of several projects Understand the evolution of cloud computing and why the cloud computing paradigm has a better chance to succeed than previous efforts in large-scale distributed computing The goal of this book is to present and compare various options one for systems architecture from two separate points of view. One, that of the information technology decision-maker who must choose a solution matching company business requirements, and secondly that of the systems architect who finds himself between the rock of changes in hardware and software technologies and the hard place of changing business needs. Different aspects of server architecture are presented, from databases designed for parallel architectures to high-availability systems, and touching en route on often- neglected performance aspects. The book provides IT managers, decision makers and project leaders who want to acquire knowledge sufficient to understand the choices made in and capabilities of systems offered by various vendors Provides system design information to balance the characteristic applications against the

*capabilities and nature of various architectural
choices In addition, it offers an integrated
view of the concepts in server architecture,
accompanied by discussion of effects on the
evolution of the data processing industry
There is a significant need for a
comprehensive book addressing the
operational and day-to-day security
management requirements. IM, used in
enterprise networks can easily be
reconfigured and allow for potentially nonstop
exposure; they require the level of security be
scrutinized carefully. This includes inherent
security flaws in various network architectures
that result in additional risks to otherwise
secure converged networks. A few books
cover components of the architecture, design,
theory, issues, challenges, and recommended
policies for IM security, but none of them
address IM issues in a manner that is useful
for the day-to-day operations and
management of enterprise networks. IM
Security is intended to bridge this gap. There
are no current books that cover components
of the architecture, design, theory, issues,
challenges, and recommended policies for IM
security. No book we know of addresses IM
security in a manner useful for day-to-day
operations and management of IM-capable*

networks in today's corporate environment. Up-to-date coverage of architecture, design, theory, issues, challenges, and recommended policies for IM security Addresses IM security for day-to-day operations and management of IM-capable networks in today's corporate environment

Why Strategic Leadership Matters

Firewalls

Operating System Concepts Essentials, 2nd Edition

IM Instant Messaging Security

What On Earth is a Mainframe?

Ethics for the Information Age

*Voice Over Internet Protocol Security has been designed to help the reader fully understand, prepare for and mediate current security and QoS risks in today's complex and ever changing converged network environment and it will help you secure your VoIP network whether you are at the planning, implementation, or post-implementation phase of your VoIP infrastructure. * This book will teach you how to plan for and implement VoIP security solutions in converged network infrastructures. Whether you have picked up this book out of curiosity or*

*professional interest . . . it is not too late to read this book and gain a deep understanding of what needs to be done in a VoIP implementation. * In the rush to be first to market or to implement the latest and greatest technology, many current implementations of VoIP infrastructures, both large and small, have been implemented with minimal thought to QoS and almost no thought to security and interoperability. Whether you're an experienced webmaster new to OpenVMS or an old OpenVMS hand new to webservers, this book will save you time and help you do your job better. The book points out similarities and differences between Unix and VMS, contains a management-friendly explanation of VMS's suitability for 24x7 operation, explains web concepts like authentication and access control models clearly (including honest discussion of drawbacks and weaknesses). Clear examples show how to configure each of the three webservers to accomplish specific goals, and comparisons will help you choose which*

server to run. If you're using or considering using a VMS webserver, this book is for you. OpenVMS with Apache, OSU and WASD also discusses specific tasks, such as how to port CGI programs from other operating systems, and gives working examples in PERL, Python, and DCL. One chapter also covers database connectivity for VMS-based CGI programs. · Use OpenVMS to provide reliable, full-featured web service for your business · Find information not available anywhere else for OpenVMS, whose unbeatable reliability makes it the web server of choice for institutions that can't afford downtime for their websites · Learn from numerous examples and step-by-step procedures how to do the same task in different servers

In this book, you will gain extensive hands-on experience installing and configuring a firewall. You will also learn how to allow access to key Web services while maintaining your organization's security, as well as how to implement firewall-to-firewall virtual private networks (VPNs). You will learn how to build a firewall to

protect your network; provide access to HTTP and FTP services on the Internet, and implement publicly accessible servers without compromising security. Furthermore, throughout the book, extensive hands-on examples provide you with practical experience in establishing security with firewalls. Examples include, but are not limited to: Installing and configuring Check Point FireWall-1; scanning to validate configuration using ISS Internet Scanner; configuring the firewall to support simple and complex Web services; setting up a packet filtering router; enhancing firewall configurations to support split-DNS; authenticating remote users; and protecting browsers and servers with a proxy-based firewall. · Install and configure proxy-based and stateful-filtering firewalls · Protect internal IP addresses with NAT and deploy a secure DNS architecture · Develop an Internet/intranet security policy to protect your organization's systems and data · Reduce your susceptibility to an attack by deploying firewalls, data encryption and decryption and other

countermeasures

Every year, nearly one in five businesses suffers a major disruption to its data or voice networks or communications systems. Since 9/11 it has become increasingly important for companies to implement a plan for disaster recovery. This comprehensive book addresses the operational and day-to-day security management requirements of business stability and disaster recovery planning specifically tailored for the needs and requirements of an Information Security Officer. This book has been written by battle tested security consultants who have based all the material, processes and problem-solving on real-world planning and recovery events in enterprise environments world wide. John has over 25 years experience in the IT and security sector. He is an often sought management consultant for large enterprise and is currently a member of the Federal Communication Commission's Homeland Security Network Reliability and Interoperability Council Focus Group on Cybersecurity, working in the Voice over Internet Protocol workgroup.

James has over 30 years experience in security operations and technology assessment as a corporate security executive and positions within the intelligence, DoD, and federal law enforcement communities. He has a Ph.D. in information systems specializing in information security and is a member of Upsilon Pi Epsilon (UPE), the International Honor Society for the Computing and Information Disciplines. He is currently an Independent Consultant. · Provides critical strategies for maintaining basic business functions when and if systems are shut down · Establishes up to date methods and techniques for maintaining second site back up and recovery · Gives managers viable and efficient processes that meet new government rules for saving and protecting data in the event of disasters

HP NonStop Server Security
TCP/IP, OSS and SQL
OpenVMS with Apache, WASD, and OSU
Implementing an InfoSphere Optim Data Growth Solution
NonStop Kernel System Administration
Digital Evidence and Computer Crime

Threats come from a variety of sources. Insider threats, as well as malicious hackers, are not only difficult to detect and prevent, but many times the authors of these threats are using resources without anybody being aware that those threats are there. Threats would not be harmful if there were no vulnerabilities that could be exploited. With IT environments becoming more complex every day, the challenges to keep an eye on all potential weaknesses are skyrocketing. Smart methods to detect threats and vulnerabilities, as well as highly efficient approaches to analysis, mitigation, and remediation, become necessary to counter a growing number of attacks against networks, servers, and endpoints in every organization. In this IBM® Redbooks® publication, we examine the aspects of the holistic Threat and Vulnerability Management component in the Network, Server and Endpoint domain of the IBM Security Framework. We explain the comprehensive solution approach, identify business drivers and issues, and derive corresponding functional and technical requirements, which enables us to choose and create matching security solutions. We discuss IBM Security Solutions for Network, Server and Endpoint to effectively counter threats and attacks using a range of protection technologies and service offerings. Using two customer scenarios, we apply the solution design approach and show how to address the customer requirements by identifying the corresponding IBM service and software products. By staying current, remaining relevant, and adapting to emerging course needs, Operating System Concepts by

Abraham Silberschatz, Peter Baer Galvin and Greg Gagne has defined the operating systems course through nine editions. This second edition of the Essentials version is based on the recent ninth edition of the original text. Operating System Concepts Essentials comprises a subset of chapters of the ninth edition for professors who want a shorter text and do not cover all the topics in the ninth edition. The new second edition of Essentials will be available as an ebook at a very attractive price for students. The ebook will have live links for the bibliography, cross-references between sections and chapters where appropriate, and new chapter review questions. A two-color printed version is also available.

The computer unlike other inventions is universal; you can use a computer for many tasks: writing, composing music, designing buildings, creating movies, inhabiting virtual worlds, communicating... This popular science history isn't just about technology but introduces the pioneers: Babbage, Turing, Apple's Wozniak and Jobs, Bill Gates, Tim Berners-Lee, Mark Zuckerberg. This story is about people and the changes computers have caused. In the future ubiquitous computing, AI, quantum and molecular computing could even make us immortal. The computer has been a radical invention. In less than a single human life computers are transforming economies and societies like no human invention before.

Distributed and Cloud Computing: From Parallel Processing to the Internet of Things offers complete coverage of modern distributed computing technology

including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing. It is the first modern, up-to-date distributed systems textbook; it explains how to create high-performance, scalable, reliable systems, exposing the design principles, architecture, and innovative applications of parallel, distributed, and cloud computing systems. Topics covered by this book include: facilitating management, debugging, migration, and disaster recovery through virtualization; clustered systems for research or ecommerce applications; designing systems as web services; and social networking systems using peer-to-peer computing. The principles of cloud computing are discussed using examples from open-source and commercial applications, along with case studies from the leading distributed computing vendors such as Amazon, Microsoft, and Google. Each chapter includes exercises and further reading, with lecture slides and more available online. This book will be ideal for students taking a distributed systems or distributed computing class, as well as for professional system designers and engineers looking for a reference to the latest distributed technologies including cloud, P2P and grid computing. Complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing Includes case studies from the leading distributed computing vendors: Amazon, Microsoft, Google, and more Explains how to use

virtualization to facilitate management, debugging, migration, and disaster recovery Designed for undergraduate or graduate students taking a distributed systems course—each chapter includes exercises and further reading, with lecture slides and more available online

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