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NICHOLSON SPENCE

Satellite Networking John Wiley & Sons
Based on the full-text book produced by the International Technical Support Organization (ITSO), this IBM Redbook publication provides students of information systems technology with the background knowledge and skills necessary to begin using the basic facilities of a mainframe computer. --

Computer Networks and Internets IBM Redbooks

This IBM® Redbooks® publication helps you install, configure, and maintain the IBM z15™ (machine types 8561 and 8562) systems. The z15 systems offers new functions that require a comprehensive understanding of the available configuration options. This book presents configuration setup scenarios, and describes implementation examples in detail. This publication is intended for systems engineers, hardware planners, and anyone who needs to understand IBM Z® configuration and implementation. Readers should be familiar with IBM Z technology and terminology. For more

information about the functions of the z15 systems, see IBM z15 Technical Introduction, SG24-8850, IBM z15 (8561) Technical Guide, SG24-8851 and IBM z15 (8562) Technical Guide, SG24-8852.

IBM z15 (8562) Technical Guide IBM Redbooks

With the pressures to drive transaction processing 24/7 because of online banking and other business demands, IBM® zHyperLink on the IBM DS8880 is making it easy to accelerate transaction processing for the mainframe. This IBM Redpaper™ publication helps you to understand the concepts, business perspectives, and reference architecture of installing, tailoring, and configuring zHyperLink in your own environment.

Robotic Tactile Sensing Pearson Education

IBM® System z® servers offer a full range of connectivity options for attaching peripheral or internal devices for input and output to the server. At the other end of these connections are a variety of devices for data storage, printing, terminal I/O, and network routing. This combination of connectivity and hardware offer System z customers solutions to meet most connectivity requirements. However, to make use of

these features, the System z server must be properly configured. This IBM Redbooks® publication takes a high-level look at the tools and processes involved in configuring a System z server. We provide an introduction to the System z channel subsystem and the terminology frequently used in the hardware definition process. We examine the features and functions of tools used in the hardware definition process, such as HCD, CHPID Mapping Tool, and HCM. We discuss the input and output of these tools (IODF, IOCP, IOCDs) and their relationship to one another. We also provide a high-level overview of the hardware configuration process (the flow of generating a valid I/O configuration). We provide configuration examples using both HCD and HCM. The book also discusses available new functions and guidelines for the effective use of HCD and HCM. This document is intended for system programmers and administrators who are responsible for defining and activating hardware changes to z/OS® and System z servers, and for the IBM representatives who need this information. General knowledge of z/OS and IOCP is assumed.

Computer Networks IBM Redbooks

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Interactive Distributed Multimedia Systems and Telecommunication Services IBM Redbooks

For more than 40 years, Computerworld has been the leading source of

technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Computer Networks and Internets Kogan Page Publishers

The next-generation IBM® c-type Directors and switches for IBM Storage Networking provides high-speed Fibre Channel (FC) and IBM Fibre Connection (IBM FICON®) connectivity from the IBM Z® platform to the storage area network (SAN) core. It enables enterprises to rapidly deploy high-density virtualized servers with the dual benefit of higher bandwidth and consolidation. This IBM Redpaper Redbooks publication helps administrators understand how to implement or migrate to an IBM c-type SAN environment. It provides an overview of the key hardware and software products, and it explains how to install, configure, monitor, tune, and troubleshoot your SAN environment.

Computer Networks and Internets

Springer Science & Business Media

The TCP/IP protocol suite has become the de facto standard for computer communications in today's networked world. The ubiquitous implementation of a specific networking standard has led to an incredible dependence on the applications enabled by it. Today, we use the TCP/IP protocols and the Internet not only for entertainment and information, but to conduct our business by performing transactions, buying and selling products, and delivering services to customers. We are continually extending the set of applications that leverage TCP/IP, thereby driving the need for further infrastructure support. It is our hope that both the novice and the

expert will find useful information in this publication.

IBM zEnterprise 196 Technical Guide
Prentice Hall

This book takes a historical approach that shows students how technologies have built upon each other so they have an appreciation of how and why current technologies exist. Beginning with an overview of the field, this text provides a historical context for information systems, setting the stage chapters that cover signaling, encoding, error-control, connections, and digital communications. Various networking technologies are also introduced to orient the reader to applications such as network security, wireless networks, and how to plan, design, and implement networks. This text is suitable for business professional who want an introduction to the field of information systems or to refresh their knowledge.

IBM zEnterprise 114 Technical Guide IBM Redbooks

Future robots are expected to work closely and interact safely with real-world objects and humans alike. Sense of touch is important in this context, as it helps estimate properties such as shape, texture, hardness, material type and many more; provides action related information, such as slip detection; and helps carrying out actions such as rolling an object between fingers without dropping it. This book presents an in-depth description of the solutions available for gathering tactile data, obtaining aforementioned tactile information from the data and effectively using the same in various robotic tasks. The efforts during last four decades or so have yielded a wide spectrum of tactile sensing technologies and engineered solutions for both intrinsic and extrinsic touch sensors. Nowadays, new materials

and structures are being explored for obtaining robotic skin with physical features like bendable, conformable, and stretchable. Such features are important for covering various body parts of robots or 3D surfaces. Nonetheless, there exist many more hardware, software and application related issues that must be considered to make tactile sensing an effective component of future robotic platforms. This book presents an in-depth analysis of various system related issues and presents the trade-offs one may face while developing an effective tactile sensing system. For this purpose, human touch sensing has also been explored. The design hints coming out of the investigations into human sense of touch can be useful in improving the effectiveness of tactile sensory modality in robotics and other machines. Better integration of tactile sensors on a robot's body is prerequisite for the effective utilization of tactile data. The concept of semiconductor devices based sensors is an interesting one, as it allows compact and fast tactile sensing systems with capabilities such as human-like spatio-temporal resolution. This book presents a comprehensive description of semiconductor devices based tactile sensing. In particular, novel Piezo Oxide Semiconductor Field Effect Transistor (POSFET) based approach for high resolution tactile sensing has been discussed in detail. Finally, the extension of semiconductor devices based sensors concept to large and flexible areas has been discussed for obtaining robotic or electronic skin. With its multidisciplinary scope, this book is suitable for graduate students and researchers coming from diverse areas such robotics (bio-robots, humanoids, rehabilitation etc.), applied materials, human touch sensing, electronics,

microsystems, and instrumentation. To better explain the concepts the text is supported by large number of figures.

Computer Networks Internets (b/Cd)

John Wiley & Sons

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. OSA-Express Implementation Guide IBM Redbooks

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IBM z13 Configuration Setup Prentice Hall

The Complete Guide to Optimizing Systems Performance Written by the winner of the 2013 LISA Award for Outstanding Achievement in System Administration Large-scale enterprise, cloud, and virtualized computing systems have introduced serious performance challenges. Now, internationally renowned performance expert Brendan Gregg has brought together proven methodologies, tools, and metrics for analyzing and tuning even the most complex environments. Systems Performance: Enterprise and the Cloud focuses on Linux(R) and Unix(R) performance, while illuminating performance issues that are relevant to all operating systems. You'll gain deep insight into how systems work and

perform, and learn methodologies for analyzing and improving system and application performance. Gregg presents examples from bare-metal systems and virtualized cloud tenants running Linux-based Ubuntu(R), Fedora(R), CentOS, and the illumos-based Joyent(R) SmartOS(TM) and OmniTI OmniOS(R). He systematically covers modern systems performance, including the "traditional" analysis of CPUs, memory, disks, and networks, and new areas including cloud computing and dynamic tracing. This book also helps you identify and fix the "unknown unknowns" of complex performance: bottlenecks that emerge from elements and interactions you were not aware of. The text concludes with a detailed case study, showing how a real cloud customer issue was analyzed from start to finish. Coverage includes - Modern performance analysis and tuning: terminology, concepts, models, methods, and techniques - Dynamic tracing techniques and tools, including examples of DTrace, SystemTap, and perf - Kernel internals: uncovering what the OS is doing - Using system observability tools, interfaces, and frameworks - Understanding and monitoring application performance - Optimizing CPUs: processors, cores, hardware threads, caches, interconnects, and kernel scheduling - Memory optimization: virtual memory, paging, swapping, memory architectures, busses, address spaces, and allocators - File system I/O, including caching - Storage devices/controllers, disk I/O workloads, RAID, and kernel I/O - Network-related performance issues: protocols, sockets, interfaces, and physical connections - Performance implications of OS and hardware-based virtualization, and new issues encountered with cloud computing -

Benchmarking: getting accurate results and avoiding common mistakes This guide is indispensable for anyone who operates enterprise or cloud environments: system, network, database, and web admins; developers; and other professionals. For students and others new to optimization, it also provides exercises reflecting Gregg's extensive instructional experience.

Server Time Protocol Implementation Guide Springer Science & Business Media

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(Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Computerworld Prentice Hall

This IBM® Redbooks® publication helps you install, configure, and maintain the IBM z14. The z14 offers new functions that require a comprehensive understanding of the available configuration options. This book presents configuration setup scenarios, and describes implementation examples in detail. This publication is intended for systems engineers, hardware planners, and anyone who needs to understand IBM Z configuration and implementation. Readers should be generally familiar with current IBM Z technology and terminology. For more information about the functions of the z14, see IBM z14 Technical Introduction, SG24-8450 and IBM z14 Technical Guide, SG24-8451.

Dictionary of Acronyms and Technical Abbreviations IBM Redbooks

The popularity of the Internet and the affordability of IT hardware and software have resulted in an explosion of

applications, architectures, and platforms. Workloads have changed. Many applications, including mission-critical ones, are deployed on a variety of platforms, and the System z® design has adapted to this change. It takes into account a wide range of factors, including compatibility and investment protection, to match the IT requirements of an enterprise. The zEnterprise System consists of the IBM zEnterprise 196 central processor complex, the IBM zEnterprise Unified Resource Manager, and the IBM zEnterprise BladeCenter® Extension. The z196 is designed with improved scalability, performance, security, resiliency, availability, and virtualization. The z196 Model M80 provides up to 1.6 times the total system capacity of the z10TM EC Model E64, and all z196 models provide up to twice the available memory of the z10 EC. The zBX infrastructure works with the z196 to enhance System z virtualization and management through an integrated hardware platform that spans mainframe, POWER7™, and System x® technologies. Through the Unified Resource Manager, the zEnterprise System is managed as a single pool of resources, integrating system and workload management across the environment. This IBM® Redbooks® publication provides an overview of the zEnterprise System and its functions, features, and associated software support. Greater detail is offered in areas relevant to technical planning. This book is intended for systems engineers, consultants, planners, and anyone wanting to understand the zEnterprise System functions and plan for their usage. It is not intended as an introduction to mainframes. Readers are expected to be generally familiar with existing IBM System z technology and

terminology. The changes to this edition are based on the System z hardware announcement dated July 12, 2011.
Computer Networks Pearson College Division

This Dictionary covers information and communication technology (ICT), including hardware and software; information networks, including the Internet and the World Wide Web; automatic control; and ICT-related computer-aided fields. The Dictionary also lists abbreviated names of relevant organizations, conferences, symposia and workshops. This reference is important for all practitioners and users in the areas mentioned above, and those who consult or write technical material. This Second Edition contains 10,000 new entries, for a total of 33,000.

Bayesian Networks IBM Redbooks
Digital marketing now represents 25% of the marketing spend in the UK and this is predicted to move to 50% or higher within the next three years.

Understanding Digital Marketing looks at the world of digital marketing: how it got started, how it got to where it is today, and where the thought leaders in the industry believe it is headed in the future. This authoritative title demonstrates how to harness the power of digital media and use it to achieve the utmost success in business, now and in the future. *Understanding Digital Marketing* deals with every key topic in detail, including: search marketing, social media, Google, mobile marketing, affiliate marketing, e-mail marketing, customer engagement and digital marketing strategies. Essential reading for both practitioners and students alike, and including real-world examples of digital marketing successes and expert opinions, *Understanding Digital Marketing* provides you with tools to

utilize the power of the internet to take your company wherever you want it to go.

Introduction to the New Mainframe
Springer Science & Business Media

This book provides up to date coverage of the basics of ATM and internet protocols, and characteristics of satellite networks and internetworking between satellite and terrestrial networks. *Satellite Networking: Principles and Protocols, Second Edition* provides up to date information of the original topics in satellite networking and protocols focusing on Internet Protocols (IP) over satellites, broadband over satellites, next generation IP (IPv6) over satellites, new generation of DVB-S/S2 and DVB-RCS next generations and new services and applications. It also includes some analytical techniques for evaluation of end to end IP performance and QoS over satellite, reflecting the recent convergence of telecommunication, Internet, broadcasting and mobile networks. Topics new to this edition: Internetworking with MANET, DVB-S/S2 and DVB-RCS/RCS2 (including TCP/IP over DVB-S/RCS), recent developments in broadband satellite systems, convergence of services and network technologies (including Internet, telecom, mobile, TV, etc.), radio resource management, PEP, I-PEP, SCPS, traffic modelling and engineering with analysis and examples, and future developments of satellite networking. Provides up to date coverage of the basics of ATM and internet protocols, and characteristics of satellite networks and internetworking between satellite and terrestrial networks (e.g. mobile ad hoc networks), including coverage of new services and applications (e.g. Internet, telecom, mobile and TV). Discusses the real-time protocols

including RTP, RTCP and SIP for real-time applications such as VoIP and MMC, and explains TCP/IP over satellite and evolution of IPv6 over satellite and beyond

Understanding Digital Marketing IBM Redbooks

This IBM® Redbooks® publication will help you to install, tailor, and configure the Open Systems Adapter (OSA) features that are available on IBM zEnterprise® servers. It focuses on the hardware installation and the software definitions that are necessary to provide connectivity to LAN environments. This information will help you with planning

and system setup. This book also includes helpful utilities and commands for monitoring and managing the OSA features. This information will be helpful to systems engineers, network administrators, and system programmers who plan for and install OSA features. The reader is expected to have a good understanding of IBM System z® hardware, Hardware Configuration Definition (HCD) or the input/output configuration program (IOCP), Open Systems Adapter Support Facility (OSA/SF), Systems Network Architecture/Advanced Peer-to-Peer Networking (SNA/APPN), and TCP/IP protocol.