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## **WEAVER WILLIAMSON**

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PC Magazine Springer Nature

This is a comprehensive textbook for the new trend of distributed power generation systems and renewable energy sources in electric power systems. It covers the complete range of topics from fundamental concepts to major technologies as well as advanced topics for power consumers. An Instructor's Manual presenting detailed solutions to all the problems in the book

is available from the Wiley editorial department -- to obtain the manual, send an email to [ialine@wiley.com](mailto:ialine@wiley.com)  
*Hungarian Library and Information Science Abstracts* Simon and Schuster  
This is a short, focused introduction to MATLAB, a comprehensive software system for mathematical and technical computing. It contains concise explanations of essential MATLAB commands, as well as easily understood instructions for using MATLAB's programming features, graphical capabilities, simulation models, and rich desktop interface. Written for MATLAB 7,

it can also be used with earlier (and later) versions of MATLAB. This book teaches how to graph functions, solve equations, manipulate images, and much more. It contains explicit instructions for using MATLAB's companion software, Simulink, which allows graphical models to be built for dynamical systems. MATLAB's new "publish" feature is discussed, which allows mathematical computations to be combined with text and graphics, to produce polished, integrated, interactive documents. For the beginner it explains everything needed to start using MATLAB, while experienced users making the switch to MATLAB 7 from an earlier version will also find much useful information here.

### **Computer Networking: A Top-Down**

### **Approach Featuring the Internet, 3/e IBM Redbooks**

Ideal for PC owners looking for an accessible, easy-to-follow reference, this beginner's guide to PC hardware offers expert advice on every component--processors, motherboards, memory, BIOS, CD-ROM and DVD drives, video cards, and much more. You'll also get details on external devices, including monitors, printers, keyboards, and modems. The book covers both Intel and non-Intel CPUs and USB and AGP ports.

### **Computation and the Humanities**

"O'Reilly Media, Inc."

You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. Running Linux,

now in its fifth edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate getting-started and problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of Running Linux is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics such as audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. Running Linux covers basic communications such as mail, web

surfing, and instant messaging, but also delves into the subtleties of network configuration--including dial-up, ADSL, and cable modems--in case you need to set up your network manually. The book can make you proficient on office suites and personal productivity applications--and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of Running Linux have anticipated problem areas, selected stable and popular solutions, and provided clear instructions

to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or maintaining a network server, *Running Linux* will provide expert advice just when you need it.

### **PC Hardware: A Beginner's Guide**

Springer Science & Business Media

How prepared are you to build fast and efficient web applications? This eloquent book provides what every web developer should know about the network, from fundamental limitations that affect performance to major innovations for building even more powerful browser

applications—including HTTP 2.0 and XHR improvements, Server-Sent Events (SSE), WebSocket, and WebRTC. Author Ilya Grigorik, a web performance engineer at Google, demonstrates performance optimization best practices for TCP, UDP, and TLS protocols, and explains unique wireless and mobile network optimization requirements. You'll then dive into performance characteristics of technologies such as HTTP 2.0, client-side network scripting with XHR, real-time streaming with SSE and WebSocket, and P2P communication with WebRTC. Deliver superlative TCP, UDP, and TLS performance Speed up network performance over 3G/4G mobile networks Develop fast and energy-efficient mobile applications Address bottlenecks in HTTP 1.x and other

browser protocols Plan for and deliver the best HTTP 2.0 performance Enable efficient real-time streaming in the browser Create efficient peer-to-peer videoconferencing and low-latency applications with real-time WebRTC transports

*High Performance Computing* Springer

A comprehensive introduction to all facets of MPLS theory and practice Helps networking professionals choose the suitable MPLS application and design for their network Provides MPLS theory and relates to basic IOS configuration examples The Fundamentals Series from Cisco Press launches the basis to readers for understanding the purpose, application, and management of technologies MPLS has emerged as the new networking layer for service

providers throughout the world. For many service providers and enterprises MPLS is a way of delivering new applications on their IP networks, while consolidating data and voice networks. MPLS has grown to be the new default network layer for service providers and is finding its way into enterprise networks as well. This book focuses on the building blocks of MPLS (architecture, forwarding packets, LDP, MPLS and QoS, CEF, etc.). This book also reviews the different MPLS applications (MPLS VPN, MPLS Traffic Engineering, Carrying IPv6 over MPLS, AToM, VPLS, MPLS OAM etc.). You will get a comprehensive overview of all the aspects of MPLS, including the building blocks, its applications, troubleshooting and a perspective on the future of MPLS.

**A Guide to MATLAB** John Wiley & Sons  
 Deep Learning with Python Simon and Schuster

*Hydrocarbon Exploration and Production*  
 "O'Reilly Media, Inc."

Management, Management operations,  
 Consumer-supplier relations, Consumers,  
 Quality assurance systems, Performance  
 Quality and Management

File System Forensic Analysis John Wiley  
 & Sons

Focusing on the physical layer,  
 Networking Fundamentals provides  
 essential information on networking  
 technologies that are used in both wired  
 and wireless networks designed for local  
 area networks (LANs) and wide-area  
 networks (WANs). The book starts with  
 an overview of telecommunications  
 followed by four parts, each including

several chapters. Part I explains the  
 principles of design and analysis of  
 information networks at the lowest  
 layers. It concentrates on the  
 characteristics of the transmission  
 media, applied transmission and coding,  
 and medium access control. Parts II and  
 III are devoted to detailed descriptions of  
 important WANs and LANs respectively  
 with Part II describing the wired Ethernet  
 and Internet as well as cellular networks  
 while Part III covers popular wired LANs  
 and wireless LANs (WLANs), as well as  
 wireless personal area network (WPAN)  
 technologies. Part IV concludes by  
 examining security, localization and  
 sensor networking. The partitioned  
 structure of the book allows flexibility in  
 teaching the material, encouraging the  
 reader to grasp the more simple



concepts and to build on these foundations when moving onto more complex information. Networking Fundamentals contains numerous illustrations, case studies and tables to supplement the text, as well as exercises with solutions at the end of each chapter. There is also a companion website with password protected solutions manual for instructors along with other useful resources. Provides a unique holistic approach covering wireless communication technologies, wired technologies and networking One of the first textbooks to integrate all aspects of information networks while placing an emphasis on the physical layer and systems engineering aspects Contains numerous illustrations, case studies and tables to supplement the

text, as well as exercises with solutions at the end of each chapter Companion website with password protected solutions manual and other useful resources

#### Renewable and Efficient Electric Power Systems Pearson Education India

This book constitutes revised selected papers from 7 workshops that were held in conjunction with the ISC High Performance 2016 conference in Frankfurt, Germany, in June 2016. The 45 papers presented in this volume were carefully reviewed and selected for inclusion in this book. They stem from the following workshops: Workshop on Exascale Multi/Many Core Computing Systems, E-MuCoCoS; Second International Workshop on Communication Architectures at Extreme

Scale, ExaComm; HPC I/O in the Data Center Workshop, HPC-IODC; International Workshop on OpenPOWER for HPC, IWOPH; Workshop on the Application Performance on Intel Xeon Phi – Being Prepared for KNL and Beyond, IXPUG; Workshop on Performance and Scalability of Storage Systems, WOPSSS; and International Workshop on Performance Portable Programming Models for Accelerators, P3MA.

**IBM Power 710 and 730 Technical Overview and Introduction** IBM Redbooks

This book addresses the application of computing to cultural heritage and the discipline of Digital Humanities that formed around it. Digital Humanities research is transforming how the Human

record can be transmitted, shaped, understood, questioned and imagined and it has been ongoing for more than 70 years. However, we have no comprehensive histories of its research trajectory or its disciplinary development. The authors make a first contribution towards remedying this by uncovering, documenting, and analysing a number of the social, intellectual and creative processes that helped to shape this research from the 1950s until the present day. By taking an oral history approach, this book explores questions like, among others, researchers' earliest memories of encountering computers and the factors that subsequently prompted them to use the computer in Humanities research. Computation and the Humanities will be an essential read

for cultural and computing historians, digital humanists and those interested in developments like the digitisation of cultural heritage and artefacts. This book is open access under a CC BY-NC 2.5 license

*Modeling Creativity* Digital Press

Here's the book you need to prepare for the JNCIA exam, JN0-201, from Juniper Networks. Written by a team of Juniper Network trainers and engineers, this Study Guide provides: Assessment testing to focus and direct your studies In-depth coverage of official test objectives Hundreds of challenging practice questions, in the book and on the CD Authoritative coverage of all test objectives, including: Working with the JUNOS software Implementing Juniper Networks boot devices Troubleshooting

Routing Information Protocol  
Implementing a routing policy  
Configuring and monitoring an OSPF Network  
Implementing Border Gateway Protocol  
Monitoring and troubleshooting an IS-IS network  
Understanding the Reverse Path Forwarding process  
Operating firewall filters  
Using Multiprotocol Label Switching  
Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

*Deep Learning with Python* "O'Reilly Media, Inc."

This book helps readers evaluate and specify the best Warehouse Management System (WMS) for their need. The advice is based on practical knowledge, describing in detail fundamental processes and technologies

needed for a basic understanding. New approaches in the structure and design of WMS are presented, along with discussion of the limitations of current systems. The book shows how to operate a simple WMS based on the open-source initiative myWMS.

Networking Fundamentals "O'Reilly Media, Inc."

This IBM® Redpaper™ publication is a comprehensive guide covering the IBM Power 720 and Power 740 servers that support IBM AIX®, IBM i, and Linux operating systems. The goal of this paper is to introduce the innovative Power 720 and Power 740 offerings and their major functions: The IBM POWER7+™ processor is available at frequencies of 3.6 GHz, and 4.2 GHz. The larger IBM POWER7+ Level 3 cache

provides greater bandwidth, capacity, and reliability. The 4-port 10/100/1000 Base-TX Ethernet PCI Express adapter is included in base configuration and installed in a PCIe Gen2 x4 slot. The integrated SAS/SATA controller for HDD, SSD, tape, and DVD supports built-in hardware RAID 0, 1, and 10. New IBM PowerVM® V2.2.2 features, such as 20 LPARs per core. The improved IBM Active Memory™ Expansion technology provides more usable memory than is physically installed in the system. High-performance SSD drawer. Professionals who want to acquire a better understanding of IBM Power Systems™ products can benefit from reading this paper. This paper expands the current set of IBM Power Systems documentation by providing a desktop

reference that offers a detailed technical description of the Power 720 and Power 740 systems. This paper does not replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

**Grid Networks** IBM Redbooks

The Definitive Guide to File System Analysis: Key Concepts and Hands-on Techniques Most digital evidence is stored within the computer's file system, but understanding how file systems work is one of the most technically challenging concepts for a digital investigator because there exists little documentation. Now, security expert Brian Carrier has written the definitive

reference for everyone who wants to understand and be able to testify about how file system analysis is performed. Carrier begins with an overview of investigation and computer foundations and then gives an authoritative, comprehensive, and illustrated overview of contemporary volume and file systems: Crucial information for discovering hidden evidence, recovering deleted data, and validating your tools. Along the way, he describes data structures, analyzes example disk images, provides advanced investigation scenarios, and uses today's most valuable open source file system analysis tools—including tools he personally developed. Coverage includes Preserving the digital crime scene and duplicating hard disks for "dead

analysis" Identifying hidden data on a disk's Host Protected Area (HPA) Reading source data: Direct versus BIOS access, dead versus live acquisition, error handling, and more Analyzing DOS, Apple, and GPT partitions; BSD disk labels; and Sun Volume Table of Contents using key concepts, data structures, and specific techniques Analyzing the contents of multiple disk volumes, such as RAID and disk spanning Analyzing FAT, NTFS, Ext2, Ext3, UFS1, and UFS2 file systems using key concepts, data structures, and specific techniques Finding evidence: File metadata, recovery of deleted files, data hiding locations, and more Using The Sleuth Kit (TSK), Autopsy Forensic Browser, and related open source tools When it comes to file system analysis,

no other book offers this much detail or expertise. Whether you're a digital forensics specialist, incident response team member, law enforcement officer, corporate security specialist, or auditor, this book will become an indispensable resource for forensic investigations, no matter what analysis tools you use. Reliable Computer Systems IBM Redbooks Enhance your hardware/software reliability Enhancement of system reliability has been a major concern of computer users and designers † and this major revision of the 1982 classic meets users' continuing need for practical information on this pressing topic. Included are case studies of reliable systems from manufacturers such as Tandem, Stratus, IBM, and Digital, as

well as coverage of special systems such as the Galileo Orbiter fault protection system and AT&T telephone switching processors.

*AWS Certified SysOps Administrator Official Study Guide* Springer

This second edition of *The Book of SCSI* provides down-to-earth instructions for installing, implementing, utilizing, and maintaining SCSI on a PC. Accessible to readers at all levels, this is the standard reference for anyone working with or maintaining a SCSI system. Along with complete coverage of SCSI-3 and all the latest features, *The Book of SCSI: I/O for the New Millennium* contains many new and updated features. What's New? New and expanded sections on ASPI programming including a sample utility program A new chapter on SCSI device

drivers A CD-ROM with SCSI diagnostic tools and utilities, a searchable copy of the book for quick referencing and the SCSI FAQ, SCSI Quick Start Guide, and SCSI Game Rules Coverage of Ultra2/LVD (Low Voltage Differential), Fibre Channel, RAID, DVD, and more New directions in the SCSI and storage industry A chapter on SCSI test equipment Many new drawings and diagrams of the multitude of SCSI connectors A comprehensive troubleshooting guide What Hasn't Changed Plain English explanations of the basics of SCSI: how to work with SCSI IDs, LUNs, termination, parity checking, asynchronous and synchronous transfer, bus mastering, caching, and more. Specific instructions on how to add SCSI to your PC that will save you hours of frustration. An understandable

explanation of how the SCSI bus works. The ASPI programming spec. from Adaptec, Inc. Clear, uncomplicated drawings and diagrams showing various aspects of SCSI hardware systems. Tips, tricks, and troubleshooting help for SCSI systems. An extensive glossary of SCSI terms and a comprehensive index.

### **High Performance Browser**

**Networking** University Press Antwerp  
This IBM® Redpaper™ publication provides a broad understanding of a new architecture of the IBM Power System E980 (9080-M9S) server that supports IBM AIX®, IBM i, and Linux operating systems (OSes). The objective of this paper is to introduce the major innovative Power E980 offerings and relevant functions: The IBM POWER9™ processor, which is available at

frequencies of 3.55 - 4.0 GHz. Significantly strengthened cores and larger caches. Supports up to 64 TB memory. Integrated I/O subsystem and hot-pluggable Peripheral Component Interconnect Express (PCIe) Gen4 slots, double the bandwidth of Gen3 I/O slots. Supports EXP12SX and ESP24SX external disk drawers, which have 12 Gb SAS interfaces and double the existing EXP24S drawer bandwidth. 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 IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power E980 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.

**Hard Drive Bible** McGraw Hill  
Professional

This book on hydrocarbon exploration and production is the first volume in the series Developments in Petroleum Science. The chapters are: The Field Life

Cycle, Exploration, Drilling Engineering, Safety and The Environment, Reservoir Description, Volumetric Estimation, Field Appraisal, Reservoir Dynamic Behaviour, Well Dynamic Behaviour, Surface Facilities, Production Operations and Maintenance, Project and Contract Management, Petroleum Economics, Managing the Producing Field, and Decommissioning.

*Blockchain Revolution* IBM Redbooks  
This IBM® Redpaper™ publication is a comprehensive guide covering the IBM Power 750 and Power 760 servers supporting IBM AIX®, IBM i, and Linux operating systems. The goal of this paper is to introduce the major innovative Power 750 and Power 760 offerings and their prominent functions: The IBM POWER7+™ processor is

available at frequencies of 3.1 GHz, 3.4 GHz, 3.5 GHz, and 4.0 GHz. The larger IBM POWER7+ Level 3 cache provides greater bandwidth, capacity, and reliability. The newly introduced POWER7+ dual chip module (DCM). New 10GBase-T options for the Integrated Multifunction Card that provides two USB ports, one serial port, and four Ethernet connectors for a processor enclosure and does not require a PCI slot. New IBM PowerVM® V2.2.2 features, such as 20 LPARs per core. The improved IBM Active Memory™ Expansion technology provides more usable memory than is physically installed in the system. Professionals who want to acquire a better understanding of IBM Power Systems™ products should read this

paper. This Redpaper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the 750 and 760 systems. This paper does not replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, may be used to enhance your knowledge of IBM server solutions. For additional reading: A Technote is available that explains the performance architecture of this server. It is of interest to those migrating workloads from existing Power 750 servers. It can be found at: Architecture of the IBM POWER7+ Technology-Based IBM Power 750 and IBM Power 760 Technote

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