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THE HARD DRIVE BIBLE, EIGHTH EDITION is the definitive reference book for anyone who deals with personal computer data storage devices of any kind. This comprehensive work covers installations, drive parameters, & set up information for thousands of Hard Disk, Optical, DAT Tape, & CD-ROM Drives. A concise history of data storage devices is followed by the most expansive compilation of technical data offered to the public today. Specifications, drawings, charts & photos cover jumper settings, cabling, partitioning & formatting of disk drives. SCSI commands & protocols are addressed, in addition to chapters revealing the intricacies of different interface standards & common troubleshooting procedures. THE HARD DRIVE BIBLE contains the answers to anyone's questions concerning the purchase, installation & use of modern digital data storage devices. The difficulties caused by compatibility mismatches are addressed & solutions are offered. Also featured are controller card information & performance ratings, as well as valuable tips on increasing drive performance & reliability through software. THE HARD DRIVE BIBLE is published by Corporate Systems Center, one of the leaders in the digital storage device field. A CD-ROM included with the book carries CSC's drive performance test software & formatting tools, as well as thousands of drive parameters, specifications, & technical drawings. To order contact: Corporate Systems Center, 1294 Hammerwood Avenue, Sunnyvale, CA 94089; 408-743-8787.

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

The aim of the book is to serve for clinical, practical, basic and scholarly practices. In twentyfive chapters it covers the most important topics related to Autism Spectrum Disorders in the efficient way and aims to be useful for health professionals in training or clinicians seeking an update. Different people with autism can have very different symptoms. Autism is considered to be a "spectrum" disorder, a group of disorders with similar features. Some people may experience merely mild disturbances, while the others have very serious symptoms. This book is aimed to be used as a textbook for child and adolescent psychiatry fellowship training and will serve as a reference for practicing psychologists, child and adolescent psychiatrists, general psychiatrists, pediatricians, child neurologists, nurses, social workers and family physicians. A free access to the full-text electronic version of the book via Intech reading platform at <http://www.intechweb.org> is a great bonus.

Describes a Mexican family preparing for and celebrating the Day of the Dead.

This book constitutes the refereed proceedings of the 10th Panhellenic Conference on Informatics, PCI 2005, held in Volas, Greece, in November 2005. The 83 revised full papers presented were carefully reviewed and selected from 252 submissions. The papers are organized in topical sections on data bases and data mining, algorithms and theoretical foundations, cultural and museum information systems, internet-scale software/information sys-

tems, wearable and mobile computing, computer graphics, virtual reality and visualization, AI, machine learning and knowledge bases, languages, text and speech processing, bioinformatics, software engineering, educational technologies, e-business, computer and sensor hardware and architecture, computer security, image and video processing, signal processing and telecommunications, computer and sensor networks.

From small start-ups to major corporations, companies of all sizes have embraced cloud computing for the scalability, reliability, and cost benefits it can provide. It has even been said that cloud computing may have a greater effect on our lives than the PC and dot-com revolutions combined. Filled with comparative charts and decision trees, Impleme

Design, build, and test LED-based projects using the Raspberry Pi About This Book Implement real LED-based projects for Raspberry Pi Learn to interface various LED modules such as LEDs, 7-segment, 4-digits 7 segment, and dot matrix to Raspberry Pi Get hands-on experience by exploring real-time LEDs with this project-based book Who This Book Is For This book is for those who want to learn how to build Raspberry Pi projects utilising LEDs, 7 segment, 4-digits 7 segment, and dot matrix modules. You also will learn to implement those modules in real applications, including interfacing with wireless modules and the Android mobile app. However, you don't need to have any previous experience with the Raspberry Pi or Android platforms. What You Will Learn Control LEDs, 7 segments, and 4-digits 7 segment from a Raspberry Pi Expand Raspberry Pi's GPIO Build a countdown timer Build a digital clock display Display numbers and characters on dot matrix displays Build a traffic light controller Build a remote home light control with a Bluetooth low energy module and Android Build mobile Internet-controlled lamps with a wireless module and Android In Detail Blinking LED is a popular application when getting started in embedded development. By customizing and utilising LED-based modules into the Raspberry Pi board, exciting projects can be obtained. A countdown timer, a digital clock, a traffic light controller, and a remote light controller are a list of LED-based inspired project samples for Raspberry Pi. An LED is a simple actuator device that displays lighting and can be controlled easily from a Raspberry Pi. This book will provide you with the ability to control LEDs from Raspberry Pi, starting from describing an idea through designing and implementing several projects based on LEDs, such as, 7-segments, 4-digits 7 segment, and dot matrix displays. Beginning with step-by-step instructions on installation and configuration, this book can either be read from cover to cover or treated as an essential reference companion to your Raspberry Pi. Samples for the project application are provided such as a countdown timer, a digital clock, a traffic light controller, a remote light controller, and an LED-based Internet of Things, so you get more practice in the art of Raspberry Pi development. Raspberry Pi LED Blueprints is an essential reference guide full of practical solutions to help you build LED-based applications. Style and approach This book follows a step-by-step approach to LED-based development for Raspberry Pi, explained in a conversational and easy-to-follow style. Each topic is ex-

plained sequentially in the process of building an application, and detailed explanations of the basic and advanced features are included.

The third edition of this clearly structured case book has been expanded and updated, and includes an introduction to the analysis of operations management cases. Key areas of operations management are dealt with, including new areas such as operations strategy, performance measurement and TPM.

This book is based on publications from the ISCA Tutorial and Research Workshop on Multi-Modal Dialogue in Mobile Environments held at Kloster Irsee, Germany, in 2002. The workshop covered various aspects of development and evaluation of spoken multimodal dialogue systems and components with particular emphasis on mobile environments, and discussed the state-of-the-art within this area. On the development side the major aspects addressed include speech recognition, dialogue management, multimodal output generation, system architectures, full applications, and user interface issues. On the evaluation side primarily usability evaluation was addressed. A number of high quality papers from the workshop were selected to form the basis of this book. The volume is divided into three major parts which group together the overall aspects covered by the workshop. The selected papers have all been extended, reviewed and improved after the workshop to form the backbone of the book. In addition, we have supplemented each of the three parts by an invited contribution intended to serve as an overview chapter.

This book provides detailed information on how to set up Deep Energy Retrofits (DERs) in public buildings, and shares in-depth insights into the current status of the major technologies, strategies and best practice examples of how to cost-effectively combine them. Case studies from the U.S.A. and Europe show that that Deep Energy Retrofit can be achieved with a limited core technologies bundle readily available on the market. Characteristics of some of these core technology measures depend on the technologies available on an individual nation's market, on the minimum requirements of national standards, and on economics (as determined by a life cycle cost analysis). Also, requirements to building envelope-related technologies (e.g., insulation levels, windows, vapor and water barriers, and requirements for building airtightness) depend on specific climate conditions. This Guide provides best practice examples of how to apply these technologies in different construction situations. High levels of energy use reduction using core technology bundles along with improvements in indoor climate and thermal comfort can be only achieved when a Deep Energy Retrofit adopts a quality assurance process. In addition to design, construction, commissioning, and post-occupancy phases of the quality assurance process, the Guide emphasizes the importance of clearly and concisely formulating and documenting the Owner's goals, expectations, and requirements for the renovated building during development of the statement of work. Another important component of the quality assurance process is a procurement phase, during which bidders' qualifications, their understanding of the scope of work and its requirements, and their previous experience are analyzed. The building sector holds the potential for tremendous improvements in terms of energy efficiency and reducing carbon emissions, and energy retrofits to the existing building stock represent a significant opportunity in the transition to a low-carbon future. Moreover, investing in highly efficient building materials and systems can replace long-term energy imports, contribute to cost cutting, and create a wealth of new jobs. Yet, while the technologies needed in order to improve energy efficiency are readily available, significant progress has not yet been made, and "best practices" for implementing building technologies and renewable energy

sources are still relegated to small "niche" applications. Offering essential information on Deep Energy Retrofits, the book offers a valuable asset for architects, public authorities, project developers, and engineers alike.

Describes how hackers break into computer networks and provides information on such topics as ways to assess and strengthen computer networks, conduct security checks, and protect e-commerce.

A poorly performing database application not only costs users time, but also has an impact on other applications running on the same computer or the same network. SQL Tuning provides an essential next step for SQL developers and database administrators who want to extend their SQL tuning expertise and get the most from their database applications. There are two basic issues to focus on when tuning SQL: how to find and interpret the execution plan of an SQL statement and how to change SQL to get a specific alternate execution plan. SQL Tuning provides answers to these questions and addresses a third issue that's even more important: how to find the optimal execution plan for the query to use. Author Dan Tow outlines a timesaving method he's developed for finding the optimum execution plan--rapidly and systematically--regardless of the complexity of the SQL or the database platform being used. You'll learn how to understand and control SQL execution plans and how to diagram SQL queries to deduce the best execution plan for a query. Key chapters in the book include exercises to reinforce the concepts you've learned. SQL Tuning concludes by addressing special concerns and unique solutions to "unsolvable problems." Whether you are a programmer who develops SQL-based applications or a database administrator or other who troubleshoots poorly tuned applications, SQL Tuning will arm you with a reliable and deterministic method for tuning your SQL queries to gain optimal performance.

For most countries, economic development involves a process of 'catching up' with leading countries at the time. This is never achieved solely by physical assets and labour alone: also needed are the accumulation of technological capabilities, educational attainment, entrepreneurship, and the development of the necessary institutional infrastructure. One element of this infrastructure is the regime of intellectual property rights (IPR), particularly patents. Patents may promote innovation and catch up, and they may foster formal technology transfer. Yet they may also prove to be barriers for developing countries that intend to acquire technologies through imitation and reverse engineering. The current move to harmonize the IPR system internationally, such as the TRIPS agreement, may thus have unexpected consequences for developing countries. This book explores these issues through an in depth study of eleven countries ranging from early developers (the USA, Nordic Countries and Japan), and Post World War 2 countries (Korea, Taiwan, Israel) to more recent emerging economies (Argentina, Brazil, China, India and Thailand). With contributions from international experts on innovation systems, this book will be an invaluable resource for academics and policymakers in the fields of economic development, innovation studies and intellectual property laws.

VMware vSphere 4 virtualization certification-here's how to prepare for the exam! VMware's vSphere 4 is the latest offering from this leading virtualization software provider. With today's emphasis on going green and cutting costs, virtualization of IT infrastructures is a hot topic. What better way to show the marketplace your virtualization expertise than with a VMware Certified Professional on vSphere 4 certification? This in-depth study guide covers all exam objectives, thoroughly preparing you with challenging review questions, real-world scenarios, hands-on exercises, and more. VMware's vSphere 4 is the latest offering from

VMware, the leading virtualization software provider on the market Prepares you for the VMware Certified Professional (VCP) on vSphere 4 (VCP-410) certification exam, with complete coverage of all exam objectives Guides you through such topics as planning, installing, and upgrading ESX/ESXi; configuring ESX/ESXi networking and storage; installing and configuring vCenter Server; deploying and managing virtual machines; and more Reinforces your preparation with challenging review questions, hands-on exercises, and real-world scenarios Includes a CD with Sybex test engine, electronic flashcards, and practice exams Make sure you're ready for VMware's VCP certification exam with this packed study guide. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Steve Jobs was an American visionary who immeasurably altered the way the world uses technology. From the Apple II to minimalist iMacs and from the foundation of Pixar to the invention of the iPad, Jobs' products and ideas confounded expectations perpetually redefined markets to make Apple the most successful technology company on the planet. Inside Steve's Brain is a unique and revealing look at one of the greatest entrepreneurs of the internet age. Part biography, part leadership manual, Kahney's book is a rich and insightful examination of a man who was at once a business pioneer, and a cultural icon.

For over a decade, there has been an increasing interest in the use of supply chain methods to improve performance across the entire business enterprise. Numerous industries have recognized the importance of efficient supply chain integration, and, as a result, supply chain management has become a standard part of business practice. The Practice of Supply Chain Management: Where Theory and Application Converge is a must-have volume for users of supply chain management methods, supply chain management researchers, and students in supply chain management. The objective of the book is to provide an overview of this important practice-research cycle, and it is organized into three sections: Core Concepts and Practices; Emerging Supply Chain Practices; and Supply Chain in Action. The focus of the book is on supply chain practice, but supply chain practice that has been heavily influenced by supply chain research. It is this synergy between research and practice that continues to simulate new directions for research.

The management of technological innovation (MTI) is one of the most important challenges facing businesses today. Innovation has become the fundamental driver of competitiveness for firms of all sizes in virtually all business sectors and nations. The first edition of this book has become one of the most popular texts for students of innovation and technology management. This new edition sees David Gann and Ammon Salter join Mark Dodgson as authors, drawing on their combined experience of 60 years of researching and teaching MTI. It combines the most relevant theoretical analysis with contemporary and historical empirical evidence to provide a comprehensive, yet concise and readable, guide to the challenges of MTI. By explaining the innovation process the book reveals the broad scope of MTI and its importance for company survival, growth and sustainability. It describes how MTI has to be managed strategically and how this is successfully achieved by formulating and implementing strategy and delivering value. Chapters provide frameworks, tools and techniques, and case studies on managing: innovation strategy, communities, and networks, R&D, design and new product and service development, operations and production, and commercialization. Based on robust analysis, the book provides a wide range of empirical evidence from a huge diversity of case studies, with around fifty case studies newly written for this edition. It analyses MTI in all parts of the world, in companies large and small, and in services,

manufacturing, and resource-based business sectors. This new edition has been fully revised and updated to reflect the latest teaching and research, and to ensure its continuing relevance to the contemporary world of MTI. It will be an important resource for academics, students, and managers throughout the world, is a recommended text for students of innovation and technology management at postgraduate and undergraduate level, and is particularly valuable for MBA courses.

This HOTT Guide defines CRM from different points of view: sales, marketing, customer support and technology. By presenting white papers on the technology, business cases, reports sharing the major trends occurring in the CRM marketplace, interviews with experts in the CRM-field, and a special chapter dedicated to the implementation of CRM in callcenters, the reader will have the most complete file on CRM possible at his disposition.

The combination of readily available computing power and progress in numerical techniques has made nonlinear systems - the kind that only a few years ago were ignored as too complex - open to analysis for the first time. Now realistic models of living systems incorporating the nonlinear variation and anisotropic nature of physical properties can be solved numerically on modern computers to give realistically usable results. This has opened up new and exciting possibilities for the fusing of ideas from physiology and engineering in the burgeoning new field that is biomechanics. Computational Biomechanics presents pioneering work focusing on the areas of orthopedic and circulatory mechanics, using experimental results to confirm or improve the relevant mathematical models and parameters. Together with two companion volumes, Biomechanics: Functional Adaptation and Remodeling and the Data Book on Mechanical Properties of Living Cells, Tissues, and Organs, this monograph will prove invaluable to those working in fields ranging from medical science and clinical medicine to biomedical engineering and applied mechanics.

The producer price index (PPI) measures the rate at which the prices of producer goods and services are changing overtime. It is a key statistic for economic and business decision making and inflation monitoring. The Producer Price Index Manual: Theory and Practice provides clear, up-to-date guidance on the concepts, uses, methods, and economic theory of the PPI, including information on classifications, sources, compilation techniques, and analytical uses of the PPI. The Manual supersedes the previous international guidance on PPIs (available in the Manual on Producers' Price Indices for Industrial Goods, published by the United Nations Statistics Division in 1979). The Manual's conceptual framework derives from the System of National Accounts 1993 and recent developments in index number theory. Preparation of the Manual was undertaken by the Intersecretariat Working Group on Price Statistics through a technical expert group chaired by the IMF and involving representatives from the ILO, the OECD, the UN Economic Commission for Europe, the World Bank, national statistical offices, and academic institutions.

With computers becoming embedded as controllers in everything from network servers to the routing of subway schedules to NASA missions, there is a critical need to ensure that systems continue to function even when a component fails. In this book, bestselling author Martin Shooman draws on his expertise in reliability engineering and software engineering to provide a complete and authoritative look at fault tolerant computing. He clearly explains all fundamentals, including how to use redundant elements in system design to ensure the reliability of computer systems and networks. Market: Systems and Networking Engineers, Computer Programmers, IT Professionals.

A comprehensive introduction which will be essential to the complete beginner who wants to learn the fundamentals of program-

ming using a modern, powerful and expressive language; as well as those wanting to update their programming skills by making the move from earlier versions of Fortran.

This text describes the functions that the BIOS controls and how these relate to the hardware in a PC. It covers the CMOS and chipset set-up options found in most common modern BIOSs. It also features tables listing error codes needed to troubleshoot problems caused by the BIOS.

High Performance Computing Systems and Applications contains a selection of fully refereed papers presented at the 14th International Conference on High Performance Computing Systems and Applications held in Victoria, Canada, in June 2000. This book presents the latest research in HPC Systems and Applications, including distributed systems and architecture, numerical methods and simulation, network algorithms and protocols, computer architecture, distributed memory, and parallel algorithms. It also covers such topics as applications in astrophysics and space physics, cluster computing, numerical simulations for fluid dynamics, electromagnetics and crystal growth, networks and the Grid, and biology and Monte Carlo techniques. High Performance Computing Systems and Applications is suitable as a secondary text for graduate level courses, and as a reference for researchers and practitioners in industry.

You're trying your best to be secure online but your passwords are a mess. Perhaps you've heard of LastPass but don't know where to start. Stop forgetting your passwords. With this tutorial, you will learn how to use LastPass and use it well. You will learn about the strengths and weaknesses of LastPass. And you will learn best practices to keep your accounts secure. Level Up Your Security: The LastPass Guide is Loaded with Information* Simple, Concise Explanation of LastPass Features so you can use them regardless of Skill Level* The difference between the Free and Various Paid Plans to help you decide what plan you should use* How to setup an account and choose a strong Master Password so you can get started on the right foot* Installing LastPass so that it integrates with your browser* How the LastPass Vault works, and what data is not encrypted* Action Items at the end of each section to make your next steps easy* Pro Tips throughout the book so that you get the best out of LastPass* How to use the different item types to store specific types of data* Learn how to Generate Secure Passwords* Using Form Fills to Save Time entering Credit Card Data* Multi Factor Authentication and why you need to be careful with SMS* Setting up a Security Email address that's different than the one you give out* How to Share Passwords securely with your business partners, friends, and family* Setup Emergency Access so that your data is available to family after your Death* Quickly scan all your accounts for breaches* How to securely travel internationally with your LastPass data* Battle Tested Security Best Practices in my Bonus Essential Security Layers Appendix based on Two Decades of Experience What People Say "I personally think Ben NAILED IT! I now know that I have been using about 1% of LastPass capability for years! Truly has opened my eyes and I will get so much more out of this product without paying a dime more!" Kirk Gee, Author "Online security is no joke, and Ben is definitely the voice to listen to on this subject! This guide is packed with helpful tips that are easy to follow, even for a total beginner like me. You should buy this book and put it into practice right away." Steve Baehr, Pastor "This guide taught me the ins and outs of LastPass quickly. I can spend more time running my business instead of keeping track of accounts with my various suppliers and manufacturers." Jeff Yesensky, Business Owner "As a busy mom with two kids, I don't have a lot of time to figure out how to keep my passwords secure. And I worry every time my husband travels overseas that he'll lose his passport (yet

again) and be stuck in a foreign country for good! Ben's easy-to-follow guide has given me one less thing to stress about. His quick checklists are perfect for those of us without a lot of extra time to spare." Sarah Harris, Mom This book is well worth your time.

* Talks about hardening a Windows host before deploying Honey-pot * Covers how to create your own emulated services to fool hackers * Discusses physical setup of Honey-pot and network necessary to draw hackers to Honey-pot * Discusses how to use Snort to co-exist with Honey-pot * Discusses how to use a Unix-style Honey-pot to mimic a Windows host * Discusses how to fine-tune a Honey-pot * Discusses OS fingerprinting, ARP tricks, packet sniffing, and exploit signatures

Archer Training's CeMAP 2 Revision Guide is an excellent addition to your ifs School of Finance study material. Used by hundreds of people before you, this Guide helps you to understand the exam syllabus easily and speedily. 200 pages of bullet points, graphs, cartoons, newspaper cuttings and a complete test at the end.

VMware ESX Server in the Enterprise Planning and Securing Virtualization Servers The Most Complete, Practical, Solutions-Focused Guide to Running ESX Server 3 VMware ESX Server in the Enterprise is the definitive, real-world guide to planning, deploying, and managing today's leading virtual infrastructure platform in mission-critical environments. Drawing on his extensive experience consulting on large-scale ESX Server implementations, Edward L. Haletky brings together an unprecedented collection of tips, best practices, and field-tested solutions. More than any other author, he illuminates the real issues, tradeoffs, and pitfalls associated with ESX Server—and shows how to make the most of it in your unique environment. Haletky covers the entire lifecycle: planning, installation, system monitoring, tuning, clustering, security, disaster recovery, and much more. Throughout, he supports his recommendations with examples from real-world deployments. He also provides detailed checklists for handling crucial issues such as caching, networking, storage, and hardware selection. Many of his techniques and practices apply to all current virtualization platforms, not just ESX Server. This book will be an indispensable resource for every network architect, administrator, and IT professional who works with virtual servers. ESX Server newcomers will find the soup-to-nuts introduction they desperately need; experienced users will find an unparalleled source of field-tested answers and solutions. In this book, you'll learn how to:

- Identify key differences between ESX v3.x.y and ESX v2.5.x and their implications
- Perform a complete installation—with automated scripting techniques and samples
- Efficiently audit, monitor, and secure ESX Server
- Discover SAN storage pitfalls and solutions—with detailed guidance for specific SANs, switches, and fibre-channel adapters
- Understand ESX Server networking: NIC teaming, vSwitches, network lag, and troubleshooting
- Configure ESX Server via the Management User Interface, Virtual Center client, and command line interface
- Install Windows, Linux, and NetWare VMs: prepare media images, place configuration files, handle sizing and swap files, and more
- Use Dynamic Resource Load Balancing to consistently achieve utilization goals
- Implement effective backup and disaster recovery procedures

Edward L. Haletky owns AstroArch Consulting, Inc., a consultancy specializing in virtualization, security, and networking. He has been rated by his peers on the VMware Discussion Forums as a "virtuoso" for his work in answering VMware security and configuration questions. Prior to establishing AstroArch, Haletky was a member of Hewlett-Packard's Virtualization, Linux, and High-Performance Technical Computing teams. He holds a degree in Aeronautical and Astronautical Engineering from Purdue University.

"We know we need to improve our traditional school system, both

public and private. But how? More homework? Better-qualified teachers? Longer school days or school years? More testing? More funding? No, no, no, no, and no. Montessori Madness! explains why the incremental steps politicians and administrators continue to propose are incremental steps in the wrong direction. The entire system must be turned on its head. This book asks parents to take a look--one thirty-minute observation--at a Montessori school. Your picture of what education should look like will never be the same"--Back cover.

The continued growth of e-commerce mandates the emergence of new technical standards and methods that will securely integrate online activities with pre-existing infrastructures, laws and processes. *Protocols for Secure Electronic Commerce, Second Edition* addresses the security portion of this challenge. It is a full compendium of the protocols for securing online commerce and payments, serving as an invaluable resource for students and professionals in the fields of computer science and engineering, IT security, and financial and banking technology. The initial sections

provide a broad overview of electronic commerce, money, payment systems, and business-to-business commerce, followed by an examination of well-known protocols (SSL, TLS, WTLS, and SET). The book also explores encryption algorithms and methods, EDI, micropayment, and multiple aspects of digital money. Like its predecessor, this edition is a general analysis that provides many references to more technical resources. It delivers extensive revisions of previous chapters, along with new chapters on electronic commerce in society, new e-commerce systems, and the security of integrated circuit cards.

This text provides the Strategic Management and Business Policy student with a presentation of traditional and new strategic management topics. These topics include: corporate governance, hypercompetition, competitive strategy, outsourcing, mass customization, technology, international issues, environmental trends and ethics.

Provides an overall introduction to the welding process, illustrating most of the common equipment and work techniques for both the home and shop welding.