

Data Transfer Solutions

E-Business Process Management: Technologies and Solutions
Data Intensive Distributed Computing: Challenges and Solutions for Large-scale Information Management
Managed Grids and Cloud Systems in the Asia-Pacific Research Community
Eel Technical Accomplishments, 1998
Sustainable Enterprise Architecture
Effective Web Presence Solutions for Small Businesses: Strategies for Successful Implementation
Inter-organizational Cooperation with SAP Solutions
Conceptual Advances in Pathology, An Issue of Clinics in Laboratory Medicine - E-Book
QuickBooks 2008 Solutions Guide for Business Owners and Accountants
Cyber Security and Global Information Assurance: Threat Analysis and Response Solutions
Conduction Heat Transfer Solutions
Microsoft Big Data Solutions
Heat Transfer Solutions
Handbook of Research on Wireless Multimedia: Quality of Service and Solutions
Practical Virtualization Solutions
Advances in Signal Processing for Nondestructive Evaluation of Materials
Cisco Unity Deployment and Solutions Guide
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The Shortcut Guide to Secure, Managed File Transfer
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Heat Transfer
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Sap Abap/4, Interview Questions: Hands On For Cracking The Interview
Exam Ref 70-532 Developing Microsoft Azure Solutions
Global Transfer Pricing Solutions
Evolutionary Based Solutions for Green Computing
Light Scattering from Polymer Solutions and Nanoparticle Dispersions
Needs Selling Solutions
CAD Data Transfer for Solid Models
Submarine Fiber Optic Communications Systems
Ajax Black Book, New Edition (With Cd)
Spatial Database Transfer Standards 2: Characteristics for Assessing Standards and Full Descriptions of the National and International Standards in the World
EDN
Making CAD-CAM Data Transfer Work
Professional Hadoop Solutions
Building Big Data and Analytics Solutions in the Cloud

E-Business Process Management: Technologies and Solutions

As today's organizations are capturing exponentially larger amounts of data than ever, now is the time for organizations to rethink how they digest that data. Through advanced algorithms and analytics techniques, organizations can harness this data, discover hidden patterns, and use the newly acquired knowledge to achieve competitive advantages. Pre

Data Intensive Distributed Computing: Challenges and Solutions for Large-scale Information Management

"This book provides a valuable resource by addressing the most pressing issues facing cyber-security from both a national

and global perspective"--Provided by publisher.

Managed Grids and Cloud Systems in the Asia-Pacific Research Community

Eel Technical Accomplishments, 1998

A core task of engineers is to analyse energy related problems. The analytical treatment is usually based on principles of thermodynamics, fluid mechanics and heat transfer, but is increasingly being handled computationally. This unique resource presents a practical textbook, written for both undergraduates and professionals, with a series of over 60 computer workbooks on an accompanying CD. The book emphasizes how complex problems can be deconstructed into a series of simple steps. All thermophysical property computations are illustrated using diagrams within text and on the companion CD.

Sustainable Enterprise Architecture

Effective Web Presence Solutions for Small Businesses: Strategies for Successful Implementation

Prepare for Microsoft Exam 70-532--and help demonstrate your real-world mastery of Microsoft Azure solution development. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Design and implement Websites Create and manage Virtual Machines Design and implement Cloud Services Design and implement a storage strategy Manage application and network services This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Will be valuable for Microsoft Azure developers, solution architects, DevOps engineers, and QA engineers Assumes you have experience designing, programming, implementing, automating, and monitoring Microsoft Azure solutions and that you are proficient with tools, techniques, and approaches for building scalable, resilient solutions Developing Microsoft Azure Solutions About the Exam Exam 70-532 focuses on the skills and knowledge needed to develop Microsoft Azure solutions that include websites, virtual machines, cloud services, storage, application services, and network services. About Microsoft Certification Passing this exam earns you a Microsoft Specialist certification in Microsoft Azure, demonstrating your expertise with the Microsoft Azure enterprise-grade cloud platform. You can earn this certification by passing Exam 70-532, Developing Microsoft Azure Solutions; or

Exam 70-533, Implementing Microsoft Azure Infrastructure Solutions; or Exam 70-534, Architecting Microsoft Azure Solutions. See full details at: microsoft.com/learning

Inter-organizational Cooperation with SAP Solutions

Tap the power of Big Data with Microsoft technologies Big Data is here, and Microsoft's new Big Data platform is a valuable tool to help your company get the very most out of it. This timely book shows you how to use HDInsight along with HortonWorks Data Platform for Windows to store, manage, analyze, and share Big Data throughout the enterprise. Focusing primarily on Microsoft and HortonWorks technologies but also covering open source tools, Microsoft Big Data Solutions explains best practices, covers on-premises and cloud-based solutions, and features valuable case studies. Best of all, it helps you integrate these new solutions with technologies you already know, such as SQL Server and Hadoop. Walks you through how to integrate Big Data solutions in your company using Microsoft's HDInsight Server, HortonWorks Data Platform for Windows, and open source tools Explores both on-premises and cloud-based solutions Shows how to store, manage, analyze, and share Big Data through the enterprise Covers topics such as Microsoft's approach to Big Data, installing and configuring HortonWorks Data Platform for Windows, integrating Big Data with SQL Server, visualizing data with Microsoft and HortonWorks BI tools, and more Helps you build and execute a Big Data plan Includes contributions from the Microsoft and HortonWorks Big Data product teams If you need a detailed roadmap for designing and implementing a fully deployed Big Data solution, you'll want Microsoft Big Data Solutions.

Conceptual Advances in Pathology, An Issue of Clinics in Laboratory Medicine - E-Book

QuickBooks 2008 Solutions Guide for Business Owners and Accountants contains a wealth of information useful to both the business owner and the accountant who services such businesses. To make finding the right information easier, the book is organized into chapters specific to each accounting module in QuickBooks. The author has worked many years with businesses that use QuickBooks to manage their financials and knows that every company has its own unique needs, yet all share one common goal—to more accurately track how the business is performing financially. The goal of this book is to provide easy-to-read and easy-to-follow QuickBooks “consulting” advice that business owners, bookkeepers, or accountants can use. After reading the chapters in this book, business owners and accountants will be able to efficiently troubleshoot a QuickBooks data file and make needed corrections, so they can accurately report how the business is performing financially. This book helps you o Get started with a QuickBooks data file and learn how to modify the file you already have o Analyze your data and troubleshoot reports o Review and correct any data errors in your balance sheet accounts such as Banking, A/R, Undeposited Funds, Employee Advances, Inventory, A/P, Sales Tax, and Open Bal Equity Account o Use the tools in QuickBooks to properly review your payroll data and avoid costly mistakes o Efficiently share your business data

with your accountant o Make the most of the QuickBooks reporting tools Laura Madeira graduated from Florida Atlantic University with a major in accounting and is a certified trainer for Intuit's Certified Trainer Network. As a member of this select group, she provides training to accountants and consultants each fall when the new version of QuickBooks is released. She also is a guest instructor for Intuit at many trade shows throughout the year, and she writes published QuickBooks technical documentation and presentations for Intuit. Laura owns a software and accounting firm that has for more than 20 years helped a large variety of businesses manage their financials using Intuit's QuickBooks software (Intuit's Quicken in those early years). In fact, she has been training users on QuickBooks since the very first version was released many years ago. Category Business Finance Covers QuickBooks 2008 User Level Intermediate-Advanced Front cover quote: "Laura Madeira has created an extremely valuable QuickBooks resource that belongs on every business and accountant's bookshelf" -Rich Walker, CPA, Intuit Accountant Relations

QuickBooks 2008 Solutions Guide for Business Owners and Accountants

Light scattering is a very powerful method for characterizing the structure of polymers and nanoparticles in solution. As part of the Springer Laboratory series, this book provides a simple-to-read and illustrative textbook probing the seemingly very complicated topic of light scattering from polymers and nanoparticles in dilute solution, and goes further to cover some of the latest technical developments in experimental light scattering.

Cyber Security and Global Information Assurance: Threat Analysis and Response Solutions

Focusing on the line of high-performance microcontrollers offered by Microchip, *Microcontrollers: High-Performance Systems and Programming* discusses the practical factors that make the high-performance PIC series a better choice than their mid-range predecessors for most systems. However, one consideration in favor of the mid-range devices is the abundance of published application circuits and code samples. This book fills that gap. Possibility of programming high-performance microcontrollers in a high-level language (C language) Source code compatibility with PIC16 microcontrollers, which facilitates code migration from mid-range to PIC18 devices Pin compatibility of some PIC18 devices with their PIC16 predecessors, making the reuse of PIC16 controllers in circuits originally designed for mid-range hardware possible Designed to be functional and hands-on, this book provides sample circuits with their corresponding programs. It clearly depicts and labels the circuits, in a way that is easy to follow and reuse. Each circuit includes a parts list of the resources and components required for its fabrication. The book matches sample programs to the individual circuits, discusses general programming techniques, and includes appendices with useful information.

Conduction Heat Transfer Solutions

This issue of Clinics in Laboratory Medicine titled, "Conceptual Advances in Pathology" addresses the key factors impacting pathology and details the technology surrounding the field. The Guest Editor, Zoltan Oltvai, MD., splits the issue into three sections; Technological Advances, Process Advances, Educational and Practice Needs, and the Business of Pathology.

Microsoft Big Data Solutions

Cisco Unity Deployment and Solutions Guide shows you how to integrate Cisco Unity with Cisco IP-based communication solutions, including Cisco CallManager. Part I introduces you to the Cisco Unity architecture and teaches you about the Cisco Unity feature set. Part II helps you design and deploy a unified message solution with Cisco Unity, and Part III helps you manage and administer your solution by leveraging the tools within Cisco Unity. Cisco Unity Deployment and Solutions Guide teaches you all that you need to know about designing, deploying, and managing a sustainable, unified messaging solution.

Heat Transfer Solutions

GLOBAL TRANSFER PRICING SOLUTIONS: 2004 covers the major transfer pricing regimes around the world with in-depth discussion and analysis of such topics as proactive transfer pricing management of post-merger integrations, e-commerce and intellectual property. This report was prepared by members of major law and accounting firms and senior international transfer pricing professionals at the largest multinationals. It covers a wide range of tools and techniques relevant to transfer pricing in Asia, Europe, Latin America, and North America.

Handbook of Research on Wireless Multimedia: Quality of Service and Solutions

"This book highlights and discusses the underlying QoS issues that arise in the delivery of real-time multimedia services over wireless networks"--Provided by publisher.

Practical Virtualization Solutions

Enterprise architecture requires an understanding of all technologies, strategies, and data consumption throughout the enterprise. To this end, one must strive to always broaden knowledge of existing, as well as emerging trends and solutions. As a trade, this role demands an understanding beyond the specificities of technologies and vendor products

Advances in Signal Processing for Nondestructive Evaluation of Materials

Principal authors: U. Kroszynski, B. Palstra

1.1 The evolution of concepts and specifications for CAD data exchange The CAD/CAM community has witnessed, during the last decade, the appearance of several specifications as well as proposals for standards which either attempt to cover wider areas or to be more reliable and stable than the others. With the rapid evolution of both hardware and software, the capabilities offered by CAD systems and CAD based application systems are far more advanced than they were only ten years ago, even when they are now based on micro-computers or personal computers. The situation with standards, however, is not and cannot be so. In order to be reliable and accepted by a wide community of both vendors and users, a standard has to be stable. This implies a life span of at least a decade. This also implies that the standard has to be general and flexible enough to accommodate present as well as expected future developments.

1.1.1 IGES The initial development of concepts for CAD data exchange is strongly influenced by the US Integrated Computer Aided Manufacturing (ICAM) programme, that dealt with the development of methods for data exchange. In September 1979, a subgroup was established with participation of the National Bureau of Standards, the General Electric Company, and the Boeing Company. The result of this effort was the Initial Graphics Exchange Specification (IGES) that was published as a NBS report [61] in 1980.

Cisco Unity Deployment and Solutions Guide

Today's highly parameterized large-scale distributed computing systems may be composed of a large number of various components (computers, databases, etc) and must provide a wide range of services. The users of such systems, located at different (geographical or managerial) network cluster may have a limited access to the system's services and resources, and different, often conflicting, expectations and requirements. Moreover, the information and data processed in such dynamic environments may be incomplete, imprecise, fragmentary, and overloading. All of the above mentioned issues require some intelligent scalable methodologies for the management of the whole complex structure, which unfortunately may increase the energy consumption of such systems. An optimal energy utilization has reached to a point that many information technology (IT) managers and corporate executives are all up in arms to identify scalable solution that can reduce electricity consumption (so that the total cost of operation is minimized) of their respective large-scale computing systems and simultaneously improve upon or maintain the current throughput of the system. This book in its eight chapters, addresses the fundamental issues related to the energy usage and the optimal low-cost system design in high performance "green computing" systems. The recent evolutionary and general metaheuristic-based solutions for energy optimization in data processing, scheduling, resource allocation, and communication in modern computational grids, cloud and network computing are presented along with several important conventional technologies to cover the hot topics from the fundamental theory of the "green computing" concept and to describe the basic architectures of systems. This book

points out the potential application areas and provides detailed examples of application case studies in low-energy computational systems. The development trends and open research issues are also outlined. All of those technologies have formed the foundation for the green computing that we know of today.

Big Data

Non-Destructive Evaluation (NDE) is now playing an increasing role in the modern global economy, in security-sensitive industries, for instance. The complexity of the inspection task and either large or limited lot runs now require more operator-assisted or fully automated signal processing. This book deals with both fields of expertise: NDE and signal processing.

AWS Certified Data Analytics Study Guide

Inter-organizational Cooperation with SAP Solutions - now in its second edition -describes the potential for cooperation in supply chain networks as well as the use of mySAP solutions in an inter-organizational context. The main focus is on applications from the fields of XML/EDI, data warehousing, supply chain management and electronic markets. On the basis of five case studies from the automotive industry, the use of mySAP solutions is demonstrated in practice. This second edition has been totally revised to take account of current challenges concerning building up cooperation from both the management and the software perspective. In order to achieve this, the author team was expanded.

Implementing IBM Storage Data Deduplication Solutions

The Shortcut Guide to Secure, Managed File Transfer

End-to-end Integration with IBM Sterling B2B Integration and Managed File Transfer solutions

The 100% Practical Guide to Making Virtualization Work in Real Enterprise Environments If you're involved in planning, deploying, or managing virtualization, this book brings together all the field-proven, in-the-trenches answers and solutions you'll need. Packed with examples and case studies, Practical Virtualization Solutions is a complete, self-paced, hands-on guide to creating a virtualized environment and driving maximum value from it throughout its entire lifecycle. Kenneth Hess and Amy Newman present detailed costs, schedules, and deployment plans drawn from actual enterprise virtualization projects. You'll learn what really works and what doesn't and discover powerful ways to systematically control the costs of

virtualization and streamline its management. The authors offer realistic guidance on choosing the best services to virtualize; selecting the right virtualization software, hardware, and vendor partners; troubleshooting and securing virtualized environments; and much more. Along the way, they answer crucial questions IT professionals face in working with virtualization. Coverage includes Quantifying the time, hardware, labor, and downtime needed to implement virtualization Streamlining the transition from physical to virtual Comparing VMware ESXi, VMware Server, Microsoft Hyper-V, Citrix XenServer, and other virtualization technologies Identifying opportunities to reduce cost and improve flexibility with open source virtualization technologies Explaining advanced techniques for simplifying virtual machine management Defining the right role for virtualization in networking and storage Automating virtual infrastructure management tasks

Heat Transfer

"This book explores the issues of supply chain management with new perspective providing examples of integrated framework for global SCM, novel ways of improving flexibility, responsiveness, and competitiveness via strategic IT alliances among channel members in a supply chain network, and techniques that might facilitate improved strategic decision making in a SCM environment"--Provided by publisher.

Green Data Center & Internet Business

Until now, the only way to capture, store, and effectively retain constantly growing amounts of enterprise data was to add more disk space to the storage infrastructure, an approach that can quickly become cost-prohibitive as information volumes continue to grow and capital budgets for infrastructure do not. In this IBM® Redbooks® publication, we introduce data deduplication, which has emerged as a key technology in dramatically reducing the amount of, and therefore the cost associated with storing, large amounts of data. Deduplication is the art of intelligently reducing storage needs through the elimination of redundant data so that only one instance of a data set is actually stored. Deduplication reduces data an order of magnitude better than common data compression techniques. IBM has the broadest portfolio of deduplication solutions in the industry, giving us the freedom to solve customer issues with the most effective technology. Whether it is source or target, inline or post, hardware or software, disk or tape, IBM has a solution with the technology that best solves the problem. This IBM Redbooks publication covers the current deduplication solutions that IBM has to offer: IBM ProtecTIER® Gateway and Appliance IBM Tivoli® Storage Manager IBM System Storage® N series Deduplication

Microcontrollers

Solved heat transfer problems This book is a problem-solving supplement for any undergraduate heat transfer text. It will

help the engineering student learn how to solve basic heat transfer problems in a logical and systematic way. Blending the problem-solving features of a solutions manual with the instructional features of a text, this book is a useful resource for students in mechanical engineering, chemical engineering and other engineering disciplines in which heat transfer is studied. The book may also be used as a resource for practicing engineers.

Advanced Technological Solutions for E-Health and Dementia Patient Monitoring

Often for the purpose of preparation candidates struggle to look for important topics and browse through some valuable concepts, they feel might be asked in an interview. Such a frantic search consumes a lot of time and energy, as it requires going through high volumes of ABAP technology. In order to solve this dilemma here is SAP ABAP/4 Interview Questions Book, which is well equipped to deal with such problems.

Sap Abap/4, Interview Questions: Hands On For Cracking The Interview

Exam Ref 70-532 Developing Microsoft Azure Solutions

"This book focuses on the challenges of distributed systems imposed by the data intensive applications, and on the different state-of-the-art solutions proposed to overcome these challenges"--Provided by publisher.

Global Transfer Pricing Solutions

The go-to guidebook for deploying Big Data solutions with Hadoop Today's enterprise architects need to understand how the Hadoop frameworks and APIs fit together, and how they can be integrated to deliver real-world solutions. This book is a practical, detailed guide to building and implementing those solutions, with code-level instruction in the popular Wrox tradition. It covers storing data with HDFS and Hbase, processing data with MapReduce, and automating data processing with Oozie. Hadoop security, running Hadoop with Amazon Web Services, best practices, and automating Hadoop processes in real time are also covered in depth. With in-depth code examples in Java and XML and the latest on recent additions to the Hadoop ecosystem, this complete resource also covers the use of APIs, exposing their inner workings and allowing architects and developers to better leverage and customize them. The ultimate guide for developers, designers, and architects who need to build and deploy Hadoop applications Covers storing and processing data with various technologies, automating data processing, Hadoop security, and delivering real-time solutions Includes detailed, real-world examples and code-level guidelines Explains when, why, and how to use these tools effectively Written by a team of Hadoop

experts in the programmer-to-programmer Wrox style Professional Hadoop Solutions is the reference enterprise architects and developers need to maximize the power of Hadoop.

Evolutionary Based Solutions for Green Computing

Light Scattering from Polymer Solutions and Nanoparticle Dispersions

Across numerous vertical industries, enterprises are challenged to improve processing efficiency as transactions flow from their business communities to their internal systems and vice versa, simplify management and expansion of the external communities, accommodate customer and supplier preferences, govern the flow of information, enforce policy and standards, and protect sensitive information. Throughout this process, external partners must be on-boarded and off-boarded, information must flow across multiple communications infrastructures, and data must be mapped and transformed for consumption across multiple applications. Some transactions require synchronous or real-time processing while others are of a more periodic nature. For some classes of customer or supplier, the enterprise might prefer a locally-managed, on-premise solution. For some types of communities (often small businesses), an as-a-Service solution might be the best option. Many large enterprises combine the on-premise and as-a-Service approach to serve different categories of business partners (customers or suppliers). This IBM® Redbooks® publication focuses on solutions for end-to-end integration in complex value chains and presents several end-to-end common integration scenarios with IBM Sterling and IBM WebSphere® portfolios. We believe that this publication will be a reference for IT Specialists and IT Architects implementing an integration solution architecture involving IBM Sterling and IBM WebSphere portfolios.

Needs Selling Solutions

Move your career forward with AWS certification! Prepare for the AWS Certified Data Analytics Specialty Exam with this thorough study guide This comprehensive study guide will help assess your technical skills and prepare for the updated AWS Certified Data Analytics exam. Earning this AWS certification will confirm your expertise in designing and implementing AWS services to derive value from data. The AWS Certified Data Analytics Study Guide: Specialty (DAS-C01) Exam is designed for business analysts and IT professionals who perform complex Big Data analyses. This AWS Specialty Exam guide gets you ready for certification testing with expert content, real-world knowledge, key exam concepts, and topic reviews. Gain confidence by studying the subject areas and working through the practice questions. Big data concepts covered in the guide include: Collection Storage Processing Analysis Visualization Data security AWS certifications allow professionals to demonstrate skills related to leading Amazon Web Services technology. The AWS Certified Data Analytics

Specialty (DAS-C01) Exam specifically evaluates your ability to design and maintain Big Data, leverage tools to automate data analysis, and implement AWS Big Data services according to architectural best practices. An exam study guide can help you feel more prepared about taking an AWS certification test and advancing your professional career. In addition to the guide's content, you'll have access to an online learning environment and test bank that offers practice exams, a glossary, and electronic flashcards.

CAD Data Transfer for Solid Models

This book discusses what Ajax is and what it means to Web developers, as well as the technologies behind Ajax applications. Working through this book, you'll discover how Ajax gives web developers the ability to build applications that are more interactive, more dynamic, more exciting and enjoyable for their users. This book shows you how to write some basic applications that use client-side JavaScript to request information from a Server side component and display it without doing a full page reload. This book teaches you how to create applications according to Ajax principles. It also presents several strategies for communicating between the client and the server, including sending raw data, and using XML or JSON (JavaScript Object Notation) for sending more complex collections of data.

· AJAX: A New Approach
· Understanding JavaScript for AJAX
· Asynchronous data transfer with XMLHttpRequest
· Implementing AJAX Frameworks
· Implementing Yahoo UI Library
· Implementing Google Web Toolkit
· Creating Maps in AJAX
· Creating ASP.NET AJAX Application
· Integrating PHP and AJAX
· Integrating AJAX with JSF
· Integrating AJAX with Struts
· Faster data transfer with JSON in AJAX
· Understanding AJAX Patterns
· Consuming Web Services in AJAX
· Securing AJAX Applications
· Debugging the AJAX Application

Submarine Fiber Optic Communications Systems

NEEDS Selling Solutions is written for sales professionals who want to explore new methods, hone skills and sell more effectively. Seasoned and successful authors disclose practical and effective selling strategies based upon real-world observations and experiences. NEEDS Selling Solutions tackles the tough challenges of finding new customers, identifying what customers really want, qualifying customers that meet business requirements, creating impactful sales presentations, and developing powerful closing strategies. Necessity: Examine, Explore, Determine & Solve NEEDS is a result-oriented approach that will help sales professionals in any business achieve more sales more profitably and more consistently. NEEDS Selling Solutions is a must read for sales people of all experience levels who are looking for new ideas, practical advice, and creative suggestions to elevate their selling skills to an entirely new level of selling success.

Ajax Black Book, New Edition (With Cd)

ISGC 2009, The International Symposium on Grid Computing was held at Academia Sinica, Taipei, Taiwan in April 2009 bringing together prestigious scientists and engineers worldwide to exchange ideas, present challenges/solutions and introduce future development in the field of Grid Computing. Managed Grids and Cloud Systems in the Asia-Pacific Research Community presents the latest achievements in grid technology including Cloud Computing. This volume also covers international projects in Grid Operation, Grid Middleware, E-Science applications, technical developments in grid operations and management, Security and Networking, Digital Library and more. The resources used to support these advances, such as volunteer grids, production managed grids, and cloud systems are discussed in detail. This book is designed for a professional audience composed of grid users, developers and researchers working in the grid computing. Advanced-level students focusing on computer science and engineering will find this book valuable as a reference or secondary text book.

Spatial Database Transfer Standards 2: Characteristics for Assessing Standards and Full Descriptions of the National and International Standards in the World

Mental health is a growing field, but one still limited by a lack of prior research and challenged by increased demand for new solutions and treatments. Mobile and web-based technologies have the potential to fill some of the gaps. Advanced Technological Solutions for E-Health and Dementia Patient Monitoring provides comprehensive coverage of issues in patient health and support from the perspectives of doctors, nurses, patients, and caregivers. With its focus on challenges and opportunities, as well as future research in the field, this book is a vital reference for researchers, scholars, advanced students, software developers, managers, and stakeholders working at the forefront of e-health systems.

EDN

"This book provides small businesses with a holistic approach to implementing their Web presence"--Provided by publisher.

Making CAD-CAM Data Transfer Work

This book represents five and a half years of work by the ICA Commission on Standards for the Transfer of Spatial Data during the 1991- 95 ICA cycle. The effort began with the Commission working to develop a set of scientific characteristics by which every kind of spatial data transfer standard could be understood and assessed. This implies that every facet of the transfer process must be understood so that the scientific characteristics could be most efficiently specified. The members of the Commission spent hours looking at their own standard and many others, to ascertain how to specify most effectively the characteristic or subcharacteristic in question. The result is a set of internationally agreed scientific characteristics with 13 broad primary level classes of characteristics, 85 secondary characteristics, and about 220 tertiary characteristics that

recognizes almost every possible capability that a spatial data transfer standard might have. It is recognized that no one standard possesses all of these characteristics, but contains a subset of these characteristics. However, these characteristics have been specified in such a way to facilitate understanding of individual standards, and use by interested parties of making comparisons for their own purposes. Although individual applications of a standard may be for different purposes, this set of characteristics provides a uniform measure by which the various standards may be assessed. The book presents an Introduction and four general chapters that describe the spatial data transfer standards activities happening in Europe, North America, Asia/Pacific, and the ISO community. This provides the context so the reader can more easily understand the scientific and technical framework from which a particular standard has come. The third section is a complete listing of all of the three levels of characteristics and their meaning by the inclusion of a set of definitions for terms used in the book. The fourth section, and by far the largest, contains 22 chapters that assess each of the major national and international spatial data transfer standards in the world in terms of all three levels of characteristics. Each assessment has been done by a Commission member who has been an active participant in the development of the standard being assessed in the native language of that standard. A cross-table chart is also provided.

Professional Hadoop Solutions

Big data is currently one of the most critical emerging technologies. Organizations around the world are looking to exploit the explosive growth of data to unlock previously hidden insights in the hope of creating new revenue streams, gaining operational efficiencies, and obtaining greater understanding of customer needs. It is important to think of big data and analytics together. Big data is the term used to describe the recent explosion of different types of data from disparate sources. Analytics is about examining data to derive interesting and relevant trends and patterns, which can be used to inform decisions, optimize processes, and even drive new business models. With today's deluge of data comes the problems of processing that data, obtaining the correct skills to manage and analyze that data, and establishing rules to govern the data's use and distribution. The big data technology stack is ever growing and sometimes confusing, even more so when we add the complexities of setting up big data environments with large up-front investments. Cloud computing seems to be a perfect vehicle for hosting big data workloads. However, working on big data in the cloud brings its own challenge of reconciling two contradictory design principles. Cloud computing is based on the concepts of consolidation and resource pooling, but big data systems (such as Hadoop) are built on the shared nothing principle, where each node is independent and self-sufficient. A solution architecture that can allow these mutually exclusive principles to coexist is required to truly exploit the elasticity and ease-of-use of cloud computing for big data environments. This IBM® Redpaper™ publication is aimed at chief architects, line-of-business executives, and CIOs to provide an understanding of the cloud-related challenges they face and give prescriptive guidance for how to realize the benefits of big data solutions quickly and cost-effectively.

Building Big Data and Analytics Solutions in the Cloud

The Electronics and Electrical Engineering Laboratory (EEEL), working in concert with other NIST Laboratories, is providing measurement and other generic technology critical to the competitiveness of the U.S. electronics industry and the U.S. electricity-equipment industry. This report summarizes selected technical accomplishments and describes activities conducted by the Lab in FY 1998. Also included are profiles of EEEL's organization, customer interactions, and long-term goals. Appendix includes crosswalk of EEEL programs and projects; EEEL FY1998 resources; EEEL FY1998 CRADAS; and EEEL organization chart.

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