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The Finite Element Method: Solid mechanics O. C. Zienkiewicz 2000 In the years since the fourth edition of this seminal work was published, active research has developed the Finite Element Method into the pre-eminent tool for the modelling of physical systems. Written by the pre-eminent professors in their fields, this new edition of the Finite Element Method maintains the comprehensive style of the earlier editions and authoritatively incorporates the latest developments of this dynamic field. Expanded to three volumes the book now covers the basis of the method and its application to advanced solid mechanics and also advanced fluid dynamics. Volume Two: Solid and Structural Mechanics is intended for readers studying structural mechanics at a higher level. Although it is an ideal companion volume to Volume One: The Basis, this advanced text also functions as a "stand-alone" volume, accessible to those who have been introduced to the Finite Element Method through a different route. Volume 1 of the Finite Element Method provides a complete introduction to the method and is essential reading for undergraduates, postgraduates and professional engineers. Volume 3 covers the whole range of fluid dynamics and is ideal reading for postgraduate students and professional engineers working in this discipline. Coverage of the concepts necessary to model behaviour, such as viscoelasticity, plasticity and creep, as well as shells and plates. Up-to-date coverage of new linked interpolation methods for shell and plate formations. New material on non-linear geometry, stability and buckling of structures and large deformations.

Chips 2020 Bernd Hoefflinger 2012-01-19 The chips in present-day cell phones already contain billions of sub-100-nanometer transistors. By 2020, however, we will see systems-on-chips with trillions of 10-nanometer transistors. But this will be the end of the miniaturization, because yet smaller transistors, containing just a few control atoms, are subject to statistical fluctuations and thus no longer useful. We also need to worry about a potential energy crisis, because in less than five years from now, with current chip technology, the internet alone would consume the total global electrical power! This book presents a new, sustainable roadmap towards ultra-low-energy (femto-joule), high-performance electronics. The focus is on the energy-efficiency of the various chip functions: sensing, processing, and communication, in a top-down spirit involving new architectures such as silicon brains, ultra-low-voltage circuits, energy harvesting, and 3D silicon technologies. Recognized world leaders from industry and from the research community share their views of this nanoelectronics future. They discuss, among other things, ubiquitous communication based on mobile companions, health and care supported by autonomous implants and by personal carebots, safe and efficient mobility assisted by co-pilots equipped with intelligent micro-electromechanical systems, and internet-based education for a billion people from kindergarden to retirement. This book should help and interest all those who will have to make decisions associated with future electronics: students, graduates, educators, and researchers, as well as managers, investors, and policy makers. Introduction: Towards Sustainable 2020 Nanoelectronics.- From Microelectronics to Nanoelectronics.- The Future of Eight Chip Technologies.- Analog-Digital Interfaces.- Interconnects and Transceivers.- Requirements and Markets for Nanoelectronics.- ITRS: The International Technology Roadmap for Semiconductors.- Nanolithography.- Power-Efficient Design Challenges.- Superprocessors and Supercomputers.- Towards Terabit Memories.- 3D Integration for Wireless Multimedia.- The Next-Generation Mobile User-Experience.- MEMS (Micro-Electro-Mechanical Systems) for Automotive and Consumer.- Vision Sensors and Cameras.- Digital Neural Networks for New Media.- Retinal Implants for Blind Patients.- Silicon Brains.- Energy Harvesting and Chip Autonomy.- The Energy Crisis.- The Extreme-Technology Industry.- Education and Research for the Age of

Nanoelectronics.- 2020 World with Chips.

Smart Grid and Internet of Things Al-Sakib Khan Pathan 2018-12-29 This book constitutes the refereed proceedings of the Second EAI International Conference on Smart Grid and Internet of Things, SGIoT 2018, held in Niagara Falls, Canada, Ontario, in July 2018. The 14 papers presented were carefully reviewed and selected from 25 submissions and present research results on how to achieve more efficient use of resources based largely on IoT-based machine-to-machine interactions in the smart grid communication networks. The smart grid also encompasses IoT technologies, which monitor transmission lines, manage substations, integrate renewable energy generation (e.g., solar or wind), and utilize hybrid vehicle batteries. Through these technologies, the authorities can smartly identify outage problems, and intelligently schedule the power generation and delivery to the customers

eMarketing eXcellence PR Smith 2012-10-12 'eMarketing eXcellence' offers an exciting new approach to help you build a customer-driven e-business. As the core text for the CIM's E-marketing award, the book offers a highly structured and accessible guide to a critical subject, providing a useful reference point for all students and managers involved in marketing strategy and implementation. A practical guide to creating and executing e-marketing plans, this book combines established approaches to marketing planning with the creative use of new e-models and e-tools. It is designed to support both marketers who are integrating e-marketing into their existing marketing and communications strategies and experienced e-marketers looking to optimise their e-marketing. The book shows how to:

- Draw up an outline e-marketing plan*
- Evaluate and apply e-marketing principles & models*
- Integrate online and offline communications*
- Implement customer-driven e-marketing*
- Reduce costly trial and error*
- Measure and enhance your e-marketing*
- Drive your e-business forward*

As the core text for the CIM's new professional E-marketing Award, it provides comprehensive, critical coverage of the key areas of e-marketing planning for marketing professionals. Established marketing concepts such as customer relationship management, the marketing mix and the widely adopted SOSTAC® planning system, are re-examined in the new media context - and new approaches are defined, including business models, traffic building and web site design.

IBM Power 750 and 760 Technical Overview and Introduction Scott Vetter 2013-06-24 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

Algorithms, Complexity Analysis and VLSI Architectures for MPEG-4 Motion Estimation Peter M. Kuhn 2013-06-29 MPEG-4 is the multimedia standard for combining interactivity, natural and synthetic digital video, audio and computer-graphics. Typical applications are: internet, video conferencing, mobile videophones, multimedia cooperative work, teleteaching and games. With MPEG-4 the next step from block-based video (ISO/IEC MPEG-1, MPEG-2, CCITT H.261, ITU-T H.263) to arbitrarily-shaped visual objects is taken. This significant step demands a new methodology for system analysis and design to meet the considerably higher flexibility of MPEG-4. Motion estimation is a central part of MPEG-1/2/4 and H.261/H.263 video compression standards and has attracted much attention in research and industry, for the following reasons: it is computationally the most demanding algorithm of a video encoder (about 60-80% of the total computation time), it has a high impact on the visual quality of a video encoder, and it is not standardized, thus being open to competition. Algorithms, Complexity Analysis, and VLSI Architectures for MPEG-4 Motion Estimation covers in detail every single step in the design of a MPEG-1/2/4 or H.261/H.263 compliant video

encoder: Fast motion estimation algorithms Complexity analysis tools Detailed complexity analysis of a software implementation of MPEG-4 video Complexity and visual quality analysis of fast motion estimation algorithms within MPEG-4 Design space on motion estimation VLSI architectures Detailed VLSI design examples of (1) a high throughput and (2) a low-power MPEG-4 motion estimator. Algorithms, Complexity Analysis and VLSI Architectures for MPEG-4 Motion Estimation is an important introduction to numerous algorithmic, architectural and system design aspects of the multimedia standard MPEG-4. As such, all researchers, students and practitioners working in image processing, video coding or system and VLSI design will find this book of interest.

Design with Operational Amplifiers and Analog Integrated Circuits Sergio Franco 2003-07-01 Franco's "Design with Operational Amplifiers and Analog Integrated Circuits, 4e" combines theory with real-life applications to deliver a straightforward look at analog design principles and techniques. An emphasis on the physical picture helps the student develop the intuition and practical insight that are the keys to making sound design decisions. The book is intended for a design-oriented course in applications with operational amplifiers and analog ICs. It also serves as a comprehensive reference for practicing engineers. This new edition includes enhanced pedagogy (additional problems, more in-depth coverage of negative feedback, more effective layout), updated technology (current-feedback and folded-cascode amplifiers, and low-voltage amplifiers), and increased topical coverage (current-feedback amplifiers, switching regulators and phase-locked loops).

Dictionary of Acronyms and Technical Abbreviations Jakob Vlietstra 2001-02-23 This Dictionary covers information and communication technology (ICT), including hardware and software; information networks, including the Internet and the World Wide Web; automatic control; and ICT-related computer-aided fields. The Dictionary also lists abbreviated names of relevant organizations, conferences, symposia and workshops. This reference is important for all practitioners and users in the areas mentioned above, and those who consult or write technical material. This Second Edition contains 10,000 new entries, for a total of 33,000.

Practice Standard for Project Risk Management Project Management Institute 2009-06-01 The Practice Standard for Project Risk Management covers risk management as it is applied to single projects only. It does not cover risk in programs or portfolios. This practice standard is consistent with the PMBOK® Guide and is aligned with other PMI practice standards. Different projects, organizations and situations require a variety of approaches to risk management and there are several specific ways to conduct risk management that are in agreement with principles of Project Risk Management as presented in this practice standard.

ADKAR Jeff Hiatt 2006 In his first complete text on the ADKAR model, Jeff Hiatt explains the origin of the model and explores what drives each building block of ADKAR. Learn how to build awareness, create desire, develop knowledge, foster ability and reinforce changes in your organization. The ADKAR Model is changing how we think about managing the people side of change, and provides a powerful foundation to help you succeed at change. After more than 14 years of research with corporate change, the ADKAR model has emerged as a holistic approach that brings together the collection of change management work into a simple, results oriented model. This model ties together all aspects of change management including readiness assessments, sponsorship, communications, coaching, training and resistance management. All of these activities are placed into a framework that is oriented on the required phases for realizing change with individuals and the organization. The ADKAR perspective can help you develop a new lens through which to observe and influence change. You may be working for change in your public school system or in a small city council. You may be sponsoring change in your department at work. You may be observing large changes that are being attempted at the highest levels of government or you may be leading an enterprise-wide change initiative. The perspective enabled by the ADKAR model allows you to view change in a new way. You can begin to see the barrier points and understand the levers that can move your changes forward. ADKAR allows you to understand why some changes succeed while others fail. Most importantly, ADKAR can help your changes be a success. Based on research with more than 900 companies from 59 countries, ADKAR is a simple and holistic way to manage change.

AWS Certified Cloud Practitioner Study Guide with Online Labs Ben Piper 2020-07-15 Virtual, hands-on learning labs allow you to apply your technical skills in realistic environments. So Sybex has bundled AWS labs from XtremeLabs with our popular AWS Certified Cloud Practitioner Study Guide to give you the same experience working in these labs as you prepare for the Certified Cloud Practitioner Exam that you would face in a real-life application. These labs in addition to the book are a proven way to prepare for the certification and for work as an AWS Cloud Practitioner. The AWS Certified Cloud Practitioner Study Guide: Exam CLF-C01 provides a solid introduction to this industry-leading technology, relied upon by thousands of

businesses across the globe, as well as the resources you need to prove your knowledge in the AWS Certification Exam. This guide offers complete and thorough treatment of all topics included in the exam, beginning with a discussion of what the AWS cloud is and its basic global infrastructure and architectural principles. Other chapters dive into the technical, exploring core characteristics of deploying and operating in the AWS Cloud Platform, as well as basic security and compliance aspects and the shared security model. In addition, the text identifies sources of documentation or technical assistance, such as white papers or support tickets. To complete their coverage, the authors discuss the AWS Cloud value proposition and define billing, account management, and pricing models. This includes describing the key services AWS can provide and their common use cases (e.g., compute, analytics, etc.). Distinguish yourself as an expert by obtaining a highly desirable certification in a widely used platform Hone your skills and gain new insights on AWS whether you work in a technical, managerial, sales, purchasing, or financial field Fully prepare for this new exam using expert content and real-world knowledge, key exam essentials, chapter review questions, and other textual resources Benefit from access to the Sybex online interactive learning environment and test bank, including chapter tests, practice exams, key term glossary, and electronic flashcards XtremeLabs virtual labs that run from your browser. The registration code is included with the book and gives you 6 months unlimited access to XtremeLabs AWS Certified Cloud Practitioner Labs with 8 unique lab modules based on the book. The AWS Certified Cloud Practitioner Study Guide is essential reading for any professional in IT or other fields that work directly with AWS, soon-to-be graduates studying in those areas, or anyone hoping to prove themselves as an AWS Certified Cloud Practitioner.

Networks of Power Thomas Parke Hughes 1993-03 Awarded the Dexter Prize by the Society for the History of Technology, this book offers a comparative history of the evolution of modern electric power systems. It described large-scale technological change and demonstrates that technology cannot be understood unless placed in a cultural context.

Applied Multivariate Statistical Analysis (Classic Version) Richard A. Johnson 2018-03-18 This title is part of the Pearson Modern Classics series. Pearson Modern Classics are acclaimed titles at a value price. Please visit www.pearsonhighered.com/math-classics-series for a complete list of titles. For courses in Multivariate Statistics, Marketing Research, Intermediate Business Statistics, Statistics in Education, and graduate-level courses in Experimental Design and Statistics. Appropriate for experimental scientists in a variety of disciplines, this market-leading text offers a readable introduction to the statistical analysis of multivariate observations. Its primary goal is to impart the knowledge necessary to make proper interpretations and select appropriate techniques for analyzing multivariate data. Ideal for a junior/senior or graduate level course that explores the statistical methods for describing and analyzing multivariate data, the text assumes two or more statistics courses as a prerequisite.

Jobs to Be Done Anthony W. Ulwick 2016-10-25 Why do some innovation projects succeed where others fail? The book reveals the business implications of Jobs Theory and explains how to put Jobs Theory into practice using Outcome-Driven Innovation.

CTS-D Certified Technology Specialist-Design Exam Guide Brad Grimes 2016-04-22 Exclusively from McGraw-Hill Professional and InfoComm International, this exam guide covers the latest Certified Technology Specialist Design exam for AV professionals. CTS-D Certified Technology Specialist Design Exam Guide is a complete study system for the leading internationally recognized audiovisual (AV) certification from InfoComm International—the audiovisual association. This exam guide covers AV systems design, including the assessment of client's needs, AV design documents preparation, and coordination with other professionals to ensure AV systems satisfy client requirements. Each chapter contains exam objective call-outs, exam tips, and end-of-chapter review questions with in-depth answer explanations. Covers the 2014 exam update which includes updated IT security design-related content, more networking coverage, and additional business content Electronic content includes an official InfoComm CTS-D practice exam More than 150 photos and illustrations reinforce key AV design concepts

APM Body of Knowledge 2019-05

Nursing Informatics 2015 "Nursing informatics (NI) is the specialty that integrates nursing science with multiple information and analytical sciences to identify, define, manage and communicate data, information, knowledge and wisdom in nursing practice. For many people, NI, and health care informatics in general, are about technology. This is especially true of electronic health records (EHRs) that are required of all care facilities. That is just one among many aspects of nursing informatics, a distinctive practice specialty that is the focus of this new publication. The second edition of *Nursing Informatics: Scope and Standards of Practice* is the most comprehensive, up-to-date resource available in this subject area. The book covers the full scope

of nursing informatics and outlines the competency level of nursing practice and professional performance expected from all informatics nurses and nurse specialists. In addition, it details the nursing informatics competencies needed by any RN, spans all nursing careers and roles, and reflects the impact of informatics in any health care practice environment. This is a must-read for nurses, as informatics touches on every RN's practice." --Publisher's website.

Fast-Track Test Guides for Aviation Maintenance Dale Crane 1999-05

TOGAF® Version 9.1 The Open Group 2011-01-01 For trainers free additional material of this book is available. This can be found under the "Training Material" tab. Log in with your trainer account to access the material. TOGAF is a framework - a detailed method and a set of supporting tools - for developing an enterprise architecture, developed by members of The Open Group Architecture Forum. TOGAF Version 9.1 is a maintenance update to TOGAF 9, addressing comments raised since the introduction of TOGAF 9 in 2009. It retains the major features and structure of TOGAF 9, thereby preserving existing investment in TOGAF, and adds further detail and clarification to what is already proven. It may be used freely by any organization wishing to develop an enterprise architecture for use within that organization (subject to the Conditions of Use). This Book is divided into seven parts: Part I - Introduction This part provides a high-level introduction to the key concepts of enterprise architecture and in particular the TOGAF approach. It contains the definitions of terms used throughout TOGAF and release notes detailing the changes between this version and the previous version of TOGAF. Part II - Architecture Development Method This is the core of TOGAF. It describes the TOGAF Architecture Development Method (ADM) a step-by-step approach to developing an enterprise architecture. Part III - ADM Guidelines & Techniques This part contains a collection of guidelines and techniques available for use in applying TOGAF and the TOGAF ADM. Part IV - Architecture Content Framework This part describes the TOGAF content framework, including a structured metamodel for architectural artifacts, the use of re-usable architecture building blocks, and an overview of typical architecture deliverables. Part V - Enterprise Continuum & Tools This part discusses appropriate taxonomies and tools to categorize and store the outputs of architecture activity within an enterprise. Part VI - TOGAF Reference Models This part provides a selection of architectural reference models, which includes the TOGAF Foundation Architecture, and the Integrated Information Infrastructure Reference Model (III-RM). Part VII Architecture Capability Framework This section looks at roles, Governance, compliance skills and much more practical guidance

The Business Analysis Competency Model(r) Version 4 Iiba 2017-10-19 The Business Analysis Competency Model(R) version 4 is a research and reference guide that provides the foundational information business analysis professionals need to continuously develop skills in real-time in order to meet the needs of organizations and for career growth.

Nutrition and Traumatic Brain Injury Institute of Medicine 2011-07-01 Traumatic brain injury (TBI) accounts for up to one-third of combat-related injuries in Iraq and Afghanistan, according to some estimates. TBI is also a major problem among civilians, especially those who engage in certain sports. At the request of the Department of Defense, the IOM examined the potential role of nutrition in the treatment of and resilience against TBI.

Data Science and Big Data Analytics EMC Education Services 2015-01-05 Data Science and Big Data Analytics is about harnessing the power of data for new insights. The book covers the breadth of activities and methods and tools that Data Scientists use. The content focuses on concepts, principles and practical applications that are applicable to any industry and technology environment, and the learning is supported and explained with examples that you can replicate using open-source software. This book will help you: Become a contributor on a data science team Deploy a structured lifecycle approach to data analytics problems Apply appropriate analytic techniques and tools to analyzing big data Learn how to tell a compelling story with data to drive business action Prepare for EMC Proven Professional Data Science Certification Corresponding data sets are available from the book's page at Wiley which you can find on the Wiley site by searching for the ISBN 9781118876138. Get started discovering, analyzing, visualizing, and presenting data in a meaningful way today!

IBM Power 720 and 740 Technical Overview and Introduction Scott Vetter 2013-05-16 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.

Mastering Microsoft Exchange Server 2013 David Elfassy 2013-10-29 The bestselling guide to Exchange Server, fully updated for the newest version Microsoft Exchange Server 2013 is touted as a solution for lowering the total cost of ownership, whether deployed on-premises or in the cloud. Like the earlier editions, this comprehensive guide covers every aspect of installing, configuring, and managing this multifaceted collaboration system. It offers Windows system administrators and consultants a complete tutorial and reference, ideal for anyone installing Exchange Server for the first time or those migrating from an earlier Exchange Server version. Microsoft Exchange Server 2013 is a messaging system that allows for access to e-mail, voicemail, and calendars from a variety of devices and any location, making it ideal for the enterprise. With more than 21,000 copies of earlier editions sold, this comprehensive guide offers system administrators and consultants both a tutorial and a reference guide for installing and managing Exchange Server 2013. A team of Microsoft Certified Masters walks you step by step through planning and design, installation, administration and management, maintenance, and more. *Mastering Microsoft Exchange Server 2013* is the complete reference for planning, installing, and maintaining the most popular e-mail server product available.

CCNA Cyber Ops SECFND #210-250 Official Cert Guide Omar Santos 2017-04-04 This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CCNA Cyber Ops SECFND 210-250 exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master CCNA Cyber Ops SECFND 210-250 exam topics. Assess your knowledge with chapter-ending quizzes. Review key concepts with exam preparation tasks. CCNA Cyber Ops SECFND 210-250 Official Cert Guide is a best-of-breed exam study guide. Cisco enterprise security experts Omar Santos, Joseph Muniz, and Stefano De Crescenzo share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. The study guide helps you master all the topics on the CCNA Cyber Ops SECFND exam, including: Fundamentals of networking protocols and networking device types Network security devices and cloud services Security principles Access control models Security management concepts and techniques Fundamentals of cryptography and PKI Essentials of Virtual Private Networks (VPNs) Windows-based Analysis Linux /MAC OS X-based Analysis Endpoint security technologies Network and host telemetry Security monitoring operations and challenges Types of attacks and vulnerabilities Security evasion techniques

Strategy to Execution Framework: A Guide to Strategic Business Analysis for Enabling Business Transformation. Iiba 2018-10-31 The Strategy to Execution Framework(R), presents new ways of thinking to understand the complexities of transformation and business change programs and provides a guide for the creation of successful business transformation program foundations.

MITRE Systems Engineering Guide 2012-06-05

Learning to See Mike Rother 2003 Value-stream maps are the blueprints for lean transformations and *Learning to See* is an easy-to-read, step-by-step instruction manual that teaches this valuable tool to anyone, regardless of his or her background. This groundbreaking workbook, which has introduced the value-stream mapping tool to thousands of people around the world, breaks down the important concepts of value-stream

mapping into an easily grasped format. The workbook, a Shingo Research Prize recipient in 1999, is filled with actual maps, as well as engaging diagrams and illustrations. The value-stream map is a paper-and-pencil representation of every process in the material and information flow, along with key data. It differs significantly from tools such as process mapping or layout diagrams because it includes information flow as well as material flow. Value-stream mapping is an overarching tool that gives managers and executives a picture of the entire production process, both value and non value-creating activities. Rather than taking a haphazard approach to lean implementation, value-stream mapping establishes a direction for the company. To encourage you to become actively involved in the learning process, *Learning to See* contains a case study based on a fictional company, Acme Stamping. You begin by mapping the current state of the value stream, looking for all the sources of waste. After identifying the waste, you draw a map of a leaner future state and a value-stream plan to guide implementation and review progress regularly. Written by two experts with practical experience, Mike Rother and John Shook, the workbook makes complicated concepts simple. It teaches you the reasons for introducing a mapping program and how it fits into a lean conversion. With this easy-to-use product, a company gets the tool it needs to understand and use value-stream mapping so it can eliminate waste in production processes. Start your lean transformation or accelerate your existing effort with value-stream mapping. [Source : 4e de couv.]

Introduction to Artificial Intelligence Simplilearn 2020-12-14 This AI beginner's guide aims to take the readers through the current AI landscape, provides the key fundamentals and terminologies of AI, and offers practical guidelines on why and how you can be a part of the AI revolution, and also the ways in which you can scale up your AI career.

Data Analytics Basics Simplilearn 2020-12-14 Data analytics is increasingly becoming a key element in shaping a company's business strategy. Today, data influences every decision made by an organization, and this is driving the wide-scale adoption of data analytics, including machine learning technologies and artificial intelligence solutions. The heightened focus is propelling a surge in data analytics spending, reflected in various studies conducted by leading market research firms. The field of data analytics offers some amazing salaries and is not only the hottest IT job, but it is also one of the best-paying jobs in the world. This guide aims at providing the readers with everything they need to know about the data analytics field, basic terminologies, key concepts, real-life use cases, skills you must master in order to scale up your career, and training and certifications you might need to reach your dream job.

DevNet Associate DEVASC 200-901 Official Certification Guide Chris Jackson 2020-05-25 DevNet Associate DEVASC 200-901 Official Certification Guide is Cisco's official, comprehensive self-study resource for Cisco's DEVASC 200-901 exam: your pathway to the DevNet Associate Certification demonstrating your knowledge of application development and automation on Cisco platforms. Written by Cisco experts based on Cisco's own internal training, it clearly explains the value of each technique, presents realistic use cases, introduces solution components, illuminates their inner workings, and shows how to execute on what you've learned in practice. Designed for all Cisco DevNet Associate candidates, it covers every DEVASC 200-901 objective concisely and logically, with extensive teaching features designed to promote retention and understanding. You'll find: Pre-chapter quizzes to assess knowledge upfront and focus your study more efficiently Foundation topics sections that explain concepts and configurations, and link theory to practice Key topics sections calling attention to every figure, table, and list you must know Exam Preparation sections with additional chapter review features Final preparation chapter providing tools and a complete final study plan A customizable practice test library This guide offers comprehensive, up-to-date coverage of all DEVASC 200-901 topics related to: Software development and design Understanding and using APIs Cisco platforms and development Application deployment and security Infrastructure and automation Network fundamentals A Guide to the Project Management Body of Knowledge (PMBOK® Guide) - Seventh Edition and The Standard for Project Management (BRAZILIAN PORTUGUESE) Project Management Institute Project Management Institute 2021-08-01 PMBOK® Guide is the go-to resource for project management practitioners. The project management profession has significantly evolved due to emerging technology, new approaches and rapid market changes. Reflecting this evolution, The Standard for Project Management enumerates 12 principles of project management and the PMBOK® Guide &- Seventh Edition is structured around eight project performance domains. This edition is designed to address practitioners' current and future needs and to help them be more proactive, innovative and nimble in enabling desired project outcomes. This edition of the PMBOK® Guide: • Reflects the full range of development approaches (predictive, adaptive, hybrid, etc.); • Provides an entire section devoted to tailoring the development approach and processes; • Includes an expanded list of models, methods, and artifacts; • Focuses on not just delivering

project outputs but also enabling outcomes; and• Integrates with PMIstandards+™ for information and standards application content based on project type, development approach, and industry sector.

CISSP Study Guide Eric Conrad 2015-12-08 CISSP Study Guide, Third Edition provides readers with information on the CISSP certification, the most prestigious, globally-recognized, vendor-neutral exam for information security professionals. With over 100,000 professionals certified worldwide, and many more joining their ranks, this new third edition presents everything a reader needs to know on the newest version of the exam's Common Body of Knowledge. The eight domains are covered completely and as concisely as possible, allowing users to ace the exam. Each domain has its own chapter that includes a specially-designed pedagogy to help users pass the exam, including clearly-stated exam objectives, unique terms and definitions, exam warnings, "learning by example" modules, hands-on exercises, and chapter ending questions. Provides the most complete and effective study guide to prepare users for passing the CISSP exam, giving them exactly what they need to pass the test Authored by Eric Conrad who has prepared hundreds of professionals for passing the CISSP exam through SANS, a popular and well-known organization for information security professionals Covers all of the new information in the Common Body of Knowledge updated in January 2015, and also provides two exams, tiered end-of-chapter questions for a gradual learning curve, and a complete self-test appendix

The Effective Change Manager's Handbook Richard Smith 2014-11-03 The change management profession is no longer in its infancy. Readily identifiable in organizations and in business literature it is no longer reliant on parent disciplines such as organizational development or project management. Change management is itself in a state of change and growth - the number of jobs is increasing and organizations are actively seeking to build their change management capability. The Effective Change Manager's Handbook, the official guide to the CMI Body of Knowledge, is explicitly designed to help practitioners, employers and academics define and practice change management successfully and to develop change management maturity within their organization. A single-volume learning resource covering the range of underpinning knowledge required, it includes chapters from esteemed and established thought leaders on topics ranging from benefits management, stakeholder strategy, facilitation, change readiness, project management and education and learning support. Covering the whole process from planning to implementation, it offers practical tools, techniques and models to effectively support any change initiative.

COBIT 5 ISACA 2012

IBM System Storage DS8000 Performance Monitoring and Tuning Axel Westphal 2016-04-07 This IBM® Redbooks® publication provides guidance about how to configure, monitor, and manage your IBM DS8880 storage systems to achieve optimum performance, and it also covers the IBM DS8870 storage system. It describes the DS8880 performance features and characteristics, including hardware-related performance features, synergy items for certain operating systems, and other functions, such as IBM Easy Tier® and the DS8000® I/O Priority Manager. The book also describes specific performance considerations that apply to particular host environments, including database applications. This book also outlines the various tools that are available for monitoring and measuring I/O performance for different server environments, and it describes how to monitor the performance of the entire DS8000 storage system. This book is intended for individuals who want to maximize the performance of their DS8880 and DS8870 storage systems and investigate the planning and monitoring tools that are available. The IBM DS8880 storage system features, as described in this book, are available for the DS8880 model family with R8.0 release bundles (Licensed Machine Code (LMC) level 7.8.0).

Gateway to Hell Dennis Wheatley 2013-10-10 The door was not locked, and opened easily. He switched on the light, and Richard followed him into the room. Nella lay on the bed. She had on the nightdress she had been lent, but the bedclothes had been pulled halfway down. Her head was twisted back grotesquely. Her mouth gaped open and her tongue had been cut out. It had been carefully placed in the valley between her naked breasts. The Duke de Richleau and his friends had faced many dangers in Russia, Spain and Nazi Germany. Now, a new and unexpected menace confronts them: the fourth member of their group, Rex van Ryn, is missing - and he has made off with more than a million dollars from the Buenos Aires branch of his family bank. Behind the conventional courtesy of Argentinian society lies a conspiracy of terror and silence - and a trail that leads straight to the Devil himself . . .

CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide Joseph Muniz 2021-02-25 Designed for all CCNP Security candidates, CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide covers every SVPN #300-730 objective concisely and logically, with extensive teaching features designed to promote retention and understanding. You'll find: Pre-chapter quizzes to assess knowledge

upfront and focus your study more efficiently Foundation topics sections that explain concepts and configurations, and link theory to practice Key topics sections calling attention to every figure, table, and list you must know Exam Preparation sections with additional chapter review features Final preparation chapter providing tools and a complete final study plan A customizable practice test library CCNP Security Virtual Private Networks SVPN 300-730 Official Cert Guide offers comprehensive, up-to-date coverage of all SVPN #300-730 topics related to: Secure communications Architectures Troubleshooting

Microservices from Theory to Practice: Creating Applications in IBM Bluemix Using the Microservices Approach Shahir Daya 2016-04-04 Microservices is an architectural style in which large, complex software applications are composed of one or more smaller services. Each of these microservices focuses on completing one task that represents a small business capability. These microservices can be developed in any programming language. They communicate with each other using language-neutral protocols, such as Representational State Transfer (REST), or messaging applications, such as IBM® MQ Light. This IBM Redbooks® publication gives a broad understanding of this increasingly popular architectural style, and provides some real-life examples of how you can develop applications using the microservices approach with IBM Bluemix™. The source code for all of these sample scenarios can be found on GitHub (<https://github.com/>). The book also presents some case studies from IBM products. We explain the architectural decisions made, our experiences, and lessons learned when redesigning these products using the microservices approach. Information technology (IT) professionals interested in learning about microservices and how to develop or redesign an application in Bluemix using microservices can benefit from this book.

CCNP Security Identity Management Sise 300-715 Official Cert Guide Aaron Woland 2020-07-28 This is Cisco's official, comprehensive self-study resource for Cisco's SISE 300-715 exam (Implementing and Configuring Cisco Identity Services Engine), one of the most popular concentration exams required for the Cisco Certified Network Professional (CCNP) Security certification. It will thoroughly prepare network professionals to deploy and use Cisco ISE to simplify delivery of consistent, highly secure access control across wired, wireless, and VPN connections. Designed for all CCNP Security candidates, CCNP Security Identity Management SISE 300-715 Official Cert Guide covers every SISE #300-715 objective concisely and logically, with extensive teaching features designed to promote retention and understanding. You'll find: Pre-chapter quizzes to assess knowledge upfront and focus your study more efficiently Foundation topics sections that explain concepts and configurations, and link theory to practice Key topics sections calling attention to every figure, table, and list you must know Exam Preparation sections with additional chapter review features Final preparation chapter providing tools and a complete final study plan A customizable practice test library CCNP Security Identity Management SISE 300-715 Official Cert Guide offers comprehensive, up-to-date coverage of all SISE #300-715 Cisco Identity Services Engine topics related to: Architecture and deployment Policy enforcement Web Auth and guest services Profiler BYOD Endpoint compliance Network access device administration