

Oracle Application Framework Personalization Guide R1

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Oracle JDeveloper 11g Handbook Duncan Mills
2009-10-06 Written by the most knowledgeable
Oracle JDeveloper author team in the world This
Oracle Press guide shows how to build Web
applications using the Fusion Middleware
development tool, Oracle JDeveloper. The book

discusses the latest technologies and explains
how to develop code using multiple techniques.
Oracle JDeveloper 11g Handbook: A Guide to
Fusion Web Development covers the Oracle
Application Development Framework and
JavaServer Faces. Hands-on practice examples
walk you through the creation of a complete

sample application that employs highly-interactive user interface components and declarative development methods. You will learn the techniques required to implement Fusion-oriented software solutions in JDeveloper.

Building Blocks for IoT Analytics John Soldatos
2016-11-23 Internet-of-Things (IoT) Analytics are an integral element of most IoT applications, as it provides the means to extract knowledge, drive actuation services and optimize decision making. IoT analytics will be a major contributor to IoT business value in the coming years, as it will enable organizations to process and fully leverage large amounts of IoT data, which are nowadays largely underutilized. The Building Blocks of IoT Analytics is devoted to the presentation the main technology building blocks that comprise advanced IoT analytics systems. It introduces IoT analytics as a special case of BigData analytics and accordingly presents leading edge technologies that can be deployed in order to successfully confront the

main challenges of IoT analytics applications. Special emphasis is paid in the presentation of technologies for IoT streaming and semantic interoperability across diverse IoT streams. Furthermore, the role of cloud computing and BigData technologies in IoT analytics are presented, along with practical tools for implementing, deploying and operating non-trivial IoT applications. Along with the main building blocks of IoT analytics systems and applications, the book presents a series of practical applications, which illustrate the use of these technologies in the scope of pragmatic applications. Technical topics discussed in the book include: Cloud Computing and BigData for IoT analytics Searching the Internet of Things Development Tools for IoT Analytics Applications IoT Analytics-as-a-Service Semantic Modelling and Reasoning for IoT Analytics IoT analytics for Smart Buildings IoT analytics for Smart Cities Operationalization of IoT analytics Ethical aspects of IoT analytics This

book contains both research oriented and applied articles on IoT analytics, including several articles reflecting work undertaken in the scope of recent European Commission funded projects in the scope of the FP7 and H2020 programmes. These articles present results of these projects on IoT analytics platforms and applications. Even though several articles have been contributed by different authors, they are structured in a well thought order that facilitates the reader either to follow the evolution of the book or to focus on specific topics depending on his/her background and interest in IoT and IoT analytics technologies. The compilation of these articles in this edited volume has been largely motivated by the close collaboration of the co-authors in the scope of working groups and IoT events organized by the Internet-of-Things Research Cluster (IERC), which is currently a part of EU's Alliance for Internet of Things Innovation (AIOTI).
Business Rules Management and Service

Oriented Architecture Ian Graham 2007-02-06
Business rules management system (BRMS) is a software tools that work alongside enterprise IT applications. It enables enterprises to automate decision-making processes typically consisting of separate business rules authoring and rules execution applications. This proposed title brings together the following key ideas in modern enterprise system development best practice. The need for service-oriented architecture (SOA). How the former depends on component-based development (CBD). Database-centred approaches to business rules (inc. GUIDES). Knowledge-based approaches to business rules. Using patterns to design and develop business rules management systems Ian Graham is an industry consultant with over 20 years. He is recognized internationally as an authority on business modelling, object-oriented software development methods and expert systems. He has a significant public presence, being associated with both UK and international

professional organizations, and is frequently quoted in the IT and financial press.

Pivotal Certified Professional Core Spring 5 Developer Exam Iuliana Cosmina 2019-12-10

Pass the Pivotal Certified Professional exam for Core Spring, based on the latest Spring Framework 5, using source code examples, study summaries, and mock exams. This book now includes WebFlux, reactive programming, and more found in Spring 5. You'll find a descriptive overview of certification-related Spring modules and a single example application demonstrating the use of all required Spring modules. Furthermore, in Pivotal Certified Professional Core Spring 5 Developer Exam, Second Edition, each chapter contains a brief study summary and question set, and the book's free downloadable source code package includes one mock exam (50 questions - like a real exam). After using this study guide, you will be ready to take and pass the Pivotal Certified Professional exam. When you become Pivotal Certified, you

will have one of the most valuable credentials in Java. Pivotal certification helps you advance your skills and your career, and get the maximum benefit from Spring. Passing the exam demonstrates your understanding of Spring and validates your familiarity with: container-basics, aspect oriented programming (AOP), data access and transactions, Spring Security, Spring Boot, microservices, and Spring model-view-controller (MVC). Good luck! What You Will Learn Understand the core principles of Spring Framework 5 Use dependency injection Work with aspects in Spring and do AOP (aspect oriented programming) Control transactional behavior and work with SQL and NoSQL databases Create and secure web applications based on Spring MVC Get to know the format of the exam and the type of questions in it Create Spring microservices applications Who This Book Is For Spring developers who have taken the Pivotal Core Spring class are eligible to take the Pivotal Certified Professional exam.

Exploring Omnichannel Retailing Wojciech Piotrowicz 2018-12-05 This book compiles the current state of knowledge on omnichannel retailing, a new concept in which all sales and interaction channels are considered together, and which aims to deliver a seamless customer experience regardless of the channel. It highlights case studies and examples related to each of the many barriers to an omnichannel approach, demonstrating not just success stories, but also failures. While omnichannel has already been recognized as an emerging retail trend, the articles in this book fill an important gap in research on the topic. Providing readers with essential insights on the omnichannel strategy and its implementation, the book will also stimulate academic discussion on this emerging trend.

Fundamentals of Digital Manufacturing Science

Zude Zhou 2011-10-22 The manufacturing industry will reap significant benefits from encouraging the development of digital

manufacturing science and technology. Digital Manufacturing Science uses theorems, illustrations and tables to introduce the definition, theory architecture, main content, and key technologies of digital manufacturing science. Readers will be able to develop an in-depth understanding of the emergence and the development, the theoretical background, and the techniques and methods of digital manufacturing science. Furthermore, they will also be able to use the basic theories and key technologies described in Digital Manufacturing Science to solve practical engineering problems in modern manufacturing processes. Digital Manufacturing Science is aimed at advanced undergraduate and postgraduate students, academic researchers and researchers in the manufacturing industry. It allows readers to integrate the theories and technologies described with their own research works, and to propose new ideas and new methods to improve the theory and application of digital

manufacturing science.

Cognitive Hyperconnected Digital

Transformation Ovidiu Vermesan 2017-06-23

Cognitive Hyperconnected Digital

Transformation provides an overview of the current Internet of Things (IoT) landscape, ranging from research, innovation and development priorities to enabling technologies in a global context. It is intended as a standalone book in a series that covers the Internet of Things activities of the IERC-Internet of Things European Research Cluster, including both research and technological innovation, validation and deployment. The book builds on the ideas put forward by the European Research Cluster, the IoT European Platform Initiative (IoT-EPI) and the IoT European Large-Scale Pilots Programme, presenting global views and state-of-the-art results regarding the challenges facing IoT research, innovation, development and deployment in the next years.

Hyperconnected environments integrating

industrial/business/consumer IoT technologies and applications require new IoT open systems architectures integrated with network architecture (a knowledge-centric network for IoT), IoT system design and open, horizontal and interoperable platforms managing things that are digital, automated and connected and that function in real-time with remote access and control based on Internet-enabled tools. The IoT is bridging the physical world with the virtual world by combining augmented reality (AR), virtual reality (VR), machine learning and artificial intelligence (AI) to support the physical-digital integrations in the Internet of mobile things based on sensors/actuators, communication, analytics technologies, cyber-physical systems, software, cognitive systems and IoT platforms with multiple functionalities. These IoT systems have the potential to understand, learn, predict, adapt and operate autonomously. They can change future behaviour, while the combination of extensive

parallel processing power, advanced algorithms and data sets feed the cognitive algorithms that allow the IoT systems to develop new services and propose new solutions. IoT technologies are moving into the industrial space and enhancing traditional industrial platforms with solutions that break free of device-, operating system- and protocol-dependency. Secure edge computing solutions replace local networks, web services replace software, and devices with networked programmable logic controllers (NPLCs) based on Internet protocols replace devices that use proprietary protocols. Information captured by edge devices on the factory floor is secure and accessible from any location in real time, opening the communication gateway both vertically (connecting machines across the factory and enabling the instant availability of data to stakeholders within operational silos) and horizontally (with one framework for the entire supply chain, across departments, business units, global factory locations and other

markets). End-to-end security and privacy solutions in IoT space require agile, context-aware and scalable components with mechanisms that are both fluid and adaptive. The convergence of IT (information technology) and OT (operational technology) makes security and privacy by default a new important element where security is addressed at the architecture level, across applications and domains, using multi-layered distributed security measures. Blockchain is transforming industry operating models by adding trust to untrusted environments, providing distributed security mechanisms and transparent access to the information in the chain. Digital technology platforms are evolving, with IoT platforms integrating complex info

Advanced Web Services Athman Bouguettaya
2013-08-13 Web services and Service-Oriented Computing (SOC) have become thriving areas of academic research, joint university/industry research projects, and novel IT products on the

market. SOC is the computing paradigm that uses Web services as building blocks for the engineering of composite, distributed applications out of the reusable application logic encapsulated by Web services. Web services could be considered the best-known and most standardized technology in use today for distributed computing over the Internet. This book is the second installment of a two-book collection covering the state-of-the-art of both theoretical and practical aspects of Web services and SOC research and deployments. *Advanced Web Services* specifically focuses on advanced topics of Web services and SOC and covers topics including Web services transactions, security and trust, Web service management, real-world case studies, and novel perspectives and future directions. The editors present foundational topics in the first book of the collection, *Web Services Foundations* (Springer, 2013). Together, both books comprise approximately 1400 pages and are the result of

an enormous community effort that involved more than 100 authors, comprising the world's leading experts in this field.

Getting Started with LibreOffice 6.0 LibreOffice Documentation Team 2018-09-15 LibreOffice is a freely-available, full-featured office suite that runs on Windows, Linux, and macOS computers. This book is for anyone who wants to get up to speed quickly with LibreOffice 6.0. It introduces Writer (word processing), Calc (spreadsheets), Impress (presentations), Draw (vector drawings), Math (equation editor), and Base (database). This book was written by volunteers from the LibreOffice community. Profits from the sale of this book will be used to benefit the community.

Cloud Computing Dan C. Marinescu 2013-05-30 *Cloud Computing: Theory and Practice* provides students and IT professionals with an in-depth analysis of the cloud from the ground up. Beginning with a discussion of parallel computing and architectures and distributed

systems, the book turns to contemporary cloud infrastructures, how they are being deployed at leading companies such as Amazon, Google and Apple, and how they can be applied in fields such as healthcare, banking and science. The volume also examines how to successfully deploy a cloud application across the enterprise using virtualization, resource management and the right amount of networking support, including content delivery networks and storage area networks. Developers will find a complete introduction to application development provided on a variety of platforms. Learn about recent trends in cloud computing in critical areas such as: resource management, security, energy consumption, ethics, and complex systems Get a detailed hands-on set of practical recipes that help simplify the deployment of a cloud based system for practical use of computing clouds along with an in-depth discussion of several projects Understand the evolution of cloud computing and why the cloud

computing paradigm has a better chance to succeed than previous efforts in large-scale distributed computing

IBM z13 Technical Guide Octavian Lascu
2016-11-11 Digital business has been driving the transformation of underlying IT infrastructure to be more efficient, secure, adaptive, and integrated. Information Technology (IT) must be able to handle the explosive growth of mobile clients and employees. IT also must be able to use enormous amounts of data to provide deep and real-time insights to help achieve the greatest business impact. This IBM® Redbooks® publication addresses the IBM Mainframe, the IBM z13™. The IBM z13 is the trusted enterprise platform for integrating data, transactions, and insight. A data-centric infrastructure must always be available with a 99.999% or better availability, have flawless data integrity, and be secured from misuse. It needs to be an integrated infrastructure that can support new applications. It needs to have

integrated capabilities that can provide new mobile capabilities with real-time analytics delivered by a secure cloud infrastructure. IBM z13 is designed with improved scalability, performance, security, resiliency, availability, and virtualization. The superscalar design allows the z13 to deliver a record level of capacity over the prior IBM z Systems™. In its maximum configuration, z13 is powered by up to 141 client characterizable microprocessors (cores) running at 5 GHz. This configuration can run more than 110,000 millions of instructions per second (MIPS) and up to 10 TB of client memory. The IBM z13 Model NE1 is estimated to provide up to 40% more total system capacity than the IBM zEnterprise® EC12 (zEC1) Model HA1. This book provides information about the IBM z13 and its functions, features, and associated software support. Greater detail is offered in areas relevant to technical planning. It is intended for systems engineers, consultants, planners, and anyone who wants to understand

the IBM z Systems functions and plan for their usage. It is not intended as an introduction to mainframes. Readers are expected to be generally familiar with existing IBM z Systems technology and terminology.

Oracle ADF Real World Developer's Guide

Jobinesh Purushothaman 2012-10-22 Become an ADF expert with essential tips n' tricks and case studies for leveraging your ADF applications.

PeopleSoft Developer's Guide for

PeopleTools & PeopleCode

Judi Doolittle 2008-12-15 Oracle is placing its enterprise application strategy at the center of its future growth Oracle PeopleSoft will be phasing out its current reports product soon, and all reports will need to be rewritten in XML Publisher [Recommender Systems](#) Dietmar Jannach 2010-09-30 In this age of information overload, people use a variety of strategies to make choices about what to buy, how to spend their leisure time, and even whom to date.

Recommender systems automate some of these

strategies with the goal of providing affordable, personal, and high-quality recommendations. This book offers an overview of approaches to developing state-of-the-art recommender systems. The authors present current algorithmic approaches for generating personalized buying proposals, such as collaborative and content-based filtering, as well as more interactive and knowledge-based approaches. They also discuss how to measure the effectiveness of recommender systems and illustrate the methods with practical case studies. The final chapters cover emerging topics such as recommender systems in the social web and consumer buying behavior theory. Suitable for computer science researchers and students interested in getting an overview of the field, this book will also be useful for professionals looking for the right technology to build real-world recommender systems.

Practical Aspects of Knowledge Management

Dimitris Karagiannis 2004-12-01 This book contains the papers presented at the 5th International Conference on Practical Aspects of Knowledge Management organized by the Department of Knowledge Management, Institute of Computer Science and Business Informatics, University of Vienna. The event took place on December 02-03, 2004 in Vienna. The PAKM conference series offers a communication forum and meeting ground for practitioners and researchers engaged in developing and deploying advanced business solutions for the management of knowledge and intellectual capital. Contributions pursuing integrated approaches which consider organizational, technological and cultural issues of knowledge management have been elected for presentation. PAKM is a forum for people to share their views, to exchange ideas, to develop new insights, and to envision completely new kinds of solutions for knowledge management problems. The accepted papers are of high quality and are not too

specialized so that the main issues can be understood by someone outside the respective field. This is crucial for an interdisciplinary exchange of ideas. Like its predecessors, PAKM 2004 featured two invited talks. It is a real joy seeing the visibility of the conference increase and noting that knowledge management researchers and practitioners from all over the world submitted - papers. This year, 163 papers and case studies were submitted, from which 48 were accepted.

Informatics for Health: Connected Citizen-Led Wellness and Population Health R. Randell
2017-05-30 Over recent years there has been major investment in research infrastructure to harness the potential of routinely collected health data. In 2013, The Farr Institute for Health Informatics Research was established in the UK, undertaking health informatics research to enhance patient and public health by the analysis of data from multiple sources and unleashing the value of vast sources of clinical,

biological, population and environmental data for public benefit. The Medical Informatics Europe (MIE) conference is already established as a key event in the calendar of the European Federation of Medical Informatics (EFMI); The Farr Institute has been establishing a conference series. For 2017, the decision was made to combine the power and established reputational excellence of EFMI with the emerging and innovative research of The Farr Institute community to create 'Informatics for Health 2017', a joint conference that creates a scientific forum allowing these two communities to share knowledge, insights and experience, advance cross-disciplinary thinking, and stimulate creativity. This book presents the 116 full papers presented at that conference, held in Manchester, UK in April 2017. The papers are grouped under five headings: connected and digital health; health data science; human, organisational, and social aspects; knowledge management; and quality, safety, and patient

outcomes, and the book will be of interest to all those whose work involves the analysis and use of data to support more effective delivery of healthcare.

Oracle Fusion Developer Guide Frank Nimphius 2009-11-14 Master Oracle Fusion Middleware Successfully design rich enterprise web applications using the detailed information in this Oracle Press volume. Oracle Fusion Developer Guide goes beyond the predominant drag-and-drop methods in Oracle JDeveloper 11g and provides a wealth of examples that address common development scenarios when using Oracle Fusion Middleware. Work with Oracle JDeveloper 11g, define navigation rules, accept and validate user input, build page layouts and skins, and incorporate drag-and-drop functionality into web applications. This authoritative resource also explains how to secure and internationalize your applications. Understand the Oracle Application Development Framework and Oracle ADF Faces Rich Client

lifestyle Construct Oracle ADF data controls, task flows, and dynamic regions Graphically represent information with Oracle ADF Faces DVT components Modularize applications using Oracle ADF libraries, Oracle ADF task flows, and other reusable components Define dynamic navigation rules in Oracle Fusion Middleware web applications Leverage Web 2.0 features using Oracle ADF Faces Rich Client components Control user access with Oracle WebLogic Server and Oracle ADF security For a complete list of Oracle Press titles, visit www.OraclePressBooks.com

Distance Education for Teacher Training Hilary Perraton 2002-03-11 First published in 2002. Routledge is an imprint of Taylor & Francis, an informa company.

[Quick Start Guide to Oracle Fusion Development](#) Grant Ronald 2010-09-05 Get Started with Oracle Fusion Development Written by a Group Product Manager at Oracle, this Oracle Press guide gets you up and running quickly with your

first Oracle Fusion applications. Quick Start Guide to Oracle Fusion Development provides only the essential information you need to build applications in a matter of hours. Rapidly learn the building blocks and functionality you'll use most of the time. The progression of topics closely matches the application building process, taking you through a typical developer scenario from start to completion. Quick Start Guide to Oracle Fusion Development features Concise and friendly format providing the essentials needed to start building applications right away Chapters that build on each other to illustrate a typical development scenario from start to finish Unique author insights gained from hours of one-on-one meetings with customers and work in Oracle's usability labs The perfect entry point to Oracle Fusion development Introduction to Fusion and the Fusion Technologies; Introduction to JDeveloper and Oracle ADF; Finding your Way Around JDeveloper; Building Business Services; Introducing ADF Business

Components; The Role of the Entity; A View of your Data - The View Object; The Application Module; Implementing Business Service Validation; More View Object Features; Building the User Interface; Introducing ADF Face Rich Client; ADF Model; Building Typical ADF Pages; Building Application Flow; Menus, Toolbars and Buttons; Advanced UI Techniques; Data Visualization and Other Rich UI Components; Application Look and Feel; Common Coding Patterns; Common Business Service Coding Examples; Common View Coding Examples **UMTS Security** Valteri Niemi 2006-02-08 Can you afford not to read this book?..... The Universal Mobile Telecommunication System (UMTS) offers a consistent set of services to mobile computer and phone users and numerous different radio access technologies will co-exist within the UMTS system's core network - security is, therefore, of the utmost importance. UMTS Security focuses on the standardized security features of UMTS and brings together

material previously only available in specifications, design documents and presentations in one concise form. In addition, this unique volume also covers non-standard implementation specific features that allow differentiation between operators and manufacturers. Describes the security solutions specified for UMTS Provides a comprehensive presentation of the UMTS security specifications and explains the role of the security functionality in the UMTS system Presents the UMTS security system in its totality from the theoretical background through to the design process Discusses the new security features included in Release 4 and 5 By providing a unified treatment of the security services provided by the UMTS system, this volume will provide invaluable information and have instant appeal to planners, constructors and implementers of UMTS networks, and developers and analysts of application oriented security services that make use of UMTS communication networks. It will

also be of considerable interest to postgraduates and researchers of modern communication security technology.

Information Rules Carl Shapiro 1998-10-06 In *Information Rules*, authors Shapiro and Varian reveal that many classic economic concepts can provide the insight and understanding necessary to succeed in the information age. They argue that if managers seriously want to develop effective strategies for competing in the new economy, they must understand the fundamental economics of information technology. Whether information takes the form of software code or recorded music, is published in a book or magazine, or even posted on a website, managers must know how to evaluate the consequences of pricing, protecting, and planning new versions of information products, services, and systems. The first book to distill the economics of information and networks into practical business strategies, *Information Rules* is a guide to the winning moves that can help

business leaders navigate successfully through the tough decisions of the information economy.

Oracle E-Business Suite Financials

Handbook 3/E Ben Prusinski 2012-11-20

Implement the Full Spectrum of Oracle E-Business Suite Financial Applications Maintain an integrated, customer-focused financial computing framework that meets global business requirements while lowering total cost of ownership. Oracle E-Business Suite Financials Handbook, Third Edition offers fully updated coverage of the latest applications and modules. Find out how to enforce robust accounting rules, establish workflow, manage invoices and inventory, create budgets and forecasts, and secure your corporate assets. This Oracle Press guide thoroughly explains how to deploy custom Web applications, automate tax reporting, and incorporate Oracle Fusion Applications. Centralize financial data with Oracle General Ledger and Oracle Subledger Accounting Track invoices and payments through Oracle

Receivables and Oracle Payables Forecast cash requirements and manage portfolios with Oracle Treasury Increase liquidity and profitability using Oracle Cash Management Establish asset depreciation schedules and handle leases and warranty information with Oracle Assets Use Oracle Purchasing and Oracle Inventory to optimize supply chain efficiency Handle procurement and billing information using Oracle Projects and Oracle Order Management Employ the all-new Oracle E-Business Tax and Oracle Landed Cost Management Leverage Oracle Fusion Applications in a co-existence strategy with Oracle E-Business Suite Financials Implement an end-to-end disaster recovery strategy

Ict Systems Security and Privacy Protection

Nora Cuppens-Boulahia 2014-05-28

A Complete Guide to Portals and User

Experience Platforms Shailesh Kumar

Shivakumar 2015-09-25 Build a Next-Generation

Enterprise Digital Platform with Portals and

UXPA Complete Guide to Portals and User Experience Platforms provides in-depth coverage of portal technologies and user experience platforms (UXPs), which form the key pillars of a modern digital platform. Drawing on his experience in various roles in numerous portal engagements,

IBM z13s Technical Guide Octavian Lascu 2016-11-10 Digital business has been driving the transformation of underlying information technology (IT) infrastructure to be more efficient, secure, adaptive, and integrated. IT must be able to handle the explosive growth of mobile clients and employees. It also must be able to process enormous amounts of data to provide deep and real-time insights to help achieve the greatest business impact. This IBM® Redbooks® publication addresses the new IBM z Systems™ single frame, the IBM z13s server. IBM z Systems servers are the trusted enterprise platform for integrating data, transactions, and insight. A data-centric

infrastructure must always be available with a 99.999% or better availability, have flawless data integrity, and be secured from misuse. It needs to be an integrated infrastructure that can support new applications. It also needs to have integrated capabilities that can provide new mobile capabilities with real-time analytics delivered by a secure cloud infrastructure. IBM z13s servers are designed with improved scalability, performance, security, resiliency, availability, and virtualization. The superscalar design allows z13s servers to deliver a record level of capacity over the prior single frame z Systems server. In its maximum configuration, the z13s server is powered by up to 20 client characterizable microprocessors (cores) running at 4.3 GHz. This configuration can run more than 18,000 millions of instructions per second (MIPS) and up to 4 TB of client memory. The IBM z13s Model N20 is estimated to provide up to 100% more total system capacity than the IBM zEnterprise® BC12 Model H13. This book

provides information about the IBM z13s server and its functions, features, and associated software support. Greater detail is offered in areas relevant to technical planning. It is intended for systems engineers, consultants, planners, and anyone who wants to understand the IBM z Systems™ functions and plan for their usage. It is not intended as an introduction to mainframes. Readers are expected to be generally familiar with existing IBM z Systems technology and terminology.

User Modeling 2007 Cristina Conati 2007-08-28
This book constitutes the refereed proceedings of the 11th International Conference on User Modeling, UM 2007, held in Corfu, Greece in July 2007. Coverage includes evaluating user/student modeling techniques, data mining and machine learning for user modeling, user adaptation and usability, modeling affect and meta-cognition, as well as intelligent information retrieval, information filtering and content personalization.

Exploring Service Science Henriqueta Nóvoa
2020-01-27 This book constitutes the proceedings of the 10th International Conference on Exploring Service Science, IESS 2020, held in Porto, Portugal, in February 2020. The 28 papers presented in this volume were carefully reviewed and selected from 42 submissions. The book includes papers that extend the view on different concepts related to the development of the Service Science domain of study, applying them to frameworks, advanced technologies, and tools for the design of new, digitally-enabled service systems. This book is structured in six parts, based on the six main conference themes, as follows: Customer Experience, Data Analytics in Service, Emerging Service Technologies, Service Design and Innovation, Service Ecosystems, and Service Management.

21 CFR Part 11 Orlando López 2004-01-15
Covering regulatory requirements stipulated by the FDA, this book delineates the organization,

planning, verification, and documentation activities and procedural controls required for compliance with worldwide computer systems validation regulations. The author introduces supporting technologies such as encryption and digital signatures and places

Knowledge-Based Configuration Alexander Felfernig 2014-04-02 Knowledge-based Configuration incorporates knowledge representation formalisms to capture complex product models and reasoning methods to provide intelligent interactive behavior with the user. This book represents the first time that corporate and academic worlds collaborate integrating research and commercial benefits of knowledge-based configuration. Foundational interdisciplinary material is provided for composing models from increasingly complex products and services. Case studies, the latest research, and graphical knowledge representations that increase understanding of knowledge-based configuration provide a toolkit

to continue to push the boundaries of what configurators can do and how they enable companies and customers to thrive. Includes detailed discussion of state-of-the art configuration knowledge engineering approaches such as automated testing and debugging, redundancy detection, and conflict management Provides an overview of the application of knowledge-based configuration technologies in the form of real-world case studies from SAP, Siemens, Kapsch, and more Explores the commercial benefits of knowledge-based configuration technologies to business sectors from services to industrial equipment Uses concepts that are based on an example personal computer configuration knowledge base that is represented in an UML-based graphical language
Proceeding of International Conference on Computational Science and Applications
Subhash Bhalla 2020-01-04 The book consists of high-quality papers presented at the

International Conference on Computational Science and Applications (ICCSA 2019), held at Maharashtra Institute of Technology World Peace University, Pune, India, from 7 to 9 August 2019. It covers the latest innovations and developments in information and communication technology, discussing topics such as soft computing and intelligent systems, web of sensor networks, drone operating systems, web of sensor networks, wearable smart sensors, automated guided vehicles and many more.

Data-intensive Text Processing with MapReduce

Jimmy Lin 2010 Our world is being revolutionized by data-driven methods: access to large amounts of data has generated new insights and opened exciting new opportunities in commerce, science, and computing applications. Processing the enormous quantities of data necessary for these advances requires large clusters, making distributed computing paradigms more crucial than ever. MapReduce is a programming model for expressing

distributed computations on massive datasets and an execution framework for large-scale data processing on clusters of commodity servers. The programming model provides an easy-to-understand abstraction for designing scalable algorithms, while the execution framework transparently handles many system-level details, ranging from scheduling to synchronization to fault tolerance. This book focuses on MapReduce algorithm design, with an emphasis on text processing algorithms common in natural language processing, information retrieval, and machine learning. We introduce the notion of MapReduce design patterns, which represent general reusable solutions to commonly occurring problems across a variety of problem domains. This book not only intends to help the reader "think in MapReduce", but also discusses limitations of the programming model as well. This volume is a printed version of a work that appears in the Synthesis Digital Library of Engineering and Computer Science. Synthesis

Lectures provide concise, original presentations of important research and development topics, published quickly, in digital and print formats.

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[Siebel Field Service Guide](#)

Dimensional Modeling: In a Business

Intelligence Environment Chuck Ballard

2012-07-31 In this IBM Redbooks publication we describe and demonstrate dimensional data modeling techniques and technology, specifically focused on business intelligence and data warehousing. It is to help the reader understand how to design, maintain, and use a dimensional model for data warehousing that can provide the data access and performance required for business intelligence. Business intelligence is comprised of a data warehousing infrastructure, and a query, analysis, and reporting environment. Here we focus on the data warehousing infrastructure. But only a specific element of it, the data model - which we

consider the base building block of the data warehouse. Or, more precisely, the topic of data modeling and its impact on the business and business applications. The objective is not to provide a treatise on dimensional modeling techniques, but to focus at a more practical level. There is technical content for designing and maintaining such an environment, but also business content. For example, we use case studies to demonstrate how dimensional modeling can impact the business intelligence requirements for your business initiatives. In addition, we provide a detailed discussion on the query aspects of BI and data modeling. For example, we discuss query optimization and how you can determine performance of the data model prior to implementation. You need a solid base for your data warehousing infrastructure . . . a solid data model.

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.

Pro Oracle Fusion Applications Tushar Thakker 2015-09-02 Pro Oracle Fusion Applications is your one-stop source for help with installing Oracle's Fusion Applications suite in your on-premise environment. It also aids in the monitoring and ongoing administration of your Fusion environment. Author Tushar Thakker is widely known for his writings and expertise on Oracle Fusion Applications, and now he brings his accumulated wisdom to you in the form of this convenient handbook. Provisioning an Oracle Fusion Applications

infrastructure is a daunting task. You'll have to plan a suitable topology and install the required database, an enterprise-wide identity management solution, and the applications themselves—all while working with a wide variety of people who may not always be accustomed to working together. Pro Oracle Fusion Applications provides a path to success that you won't want to be without. Beyond installation, Pro Oracle Fusion Applications provides excellent guidance on managing, monitoring, diagnostics, and troubleshooting your environment. The book also covers patching, a mundane but essential task that must be done regularly to keep your installation protected and running smoothly. The comprehensive and wide-ranging coverage makes Pro Oracle Fusion Applications an important book for anyone with responsibility for installation and ongoing management of an Oracle Fusion Applications installation.

The Customer Centric Enterprise Mitchell M.

Tseng 2011-06-27 Companies are being forced to react to the growing individualization of demand. At the same time, cost management remains of paramount importance due to the competitive pressure in global markets. Thus, making enterprises more customer centric efficiently is a top management priority in most industries. Mass customization and personalization are key strategies to meet this challenge. Companies like Procter&Gamble, Lego, Nike, Adidas, Land's End, BMW, or Levi Strauss, among others, have started large-scale mass customization programs. This book provides insight into the different aspects of building a customer centric enterprise. Following an interdisciplinary approach, leading scientists and practitioners share their findings, concepts, and strategies from the perspective of design, production engineering, logistics, technology and innovation management, customer behavior, as well as marketing. *Earth Observation Open Science and Innovation*

Pierre-Philippe Mathieu 2018-01-23 This book is published open access under a CC BY 4.0 license. Over the past decades, rapid developments in digital and sensing technologies, such as the Cloud, Web and Internet of Things, have dramatically changed the way we live and work. The digital transformation is revolutionizing our ability to monitor our planet and transforming the way we access, process and exploit Earth Observation data from satellites. This book reviews these megatrends and their implications for the Earth Observation community as well as the wider data economy. It provides insight into new paradigms of Open Science and Innovation applied to space data, which are characterized by openness, access to large volume of complex data, wide availability of new community tools, new techniques for big data analytics such as Artificial Intelligence, unprecedented level of computing power, and new types of collaboration among researchers, innovators,

entrepreneurs and citizen scientists. In addition, this book aims to provide readers with some reflections on the future of Earth Observation, highlighting through a series of use cases not just the new opportunities created by the New Space revolution, but also the new challenges that must be addressed in order to make the most of the large volume of complex and diverse data delivered by the new generation of satellites.

Yocto Project Development Manual Scott Rifenbark 2015-11-17 The following list describes what you can get from this book: Information that lets you get set up to develop using the Yocto Project. Information to help developers who are new to the open source environment and to the distributed revision control system Git, which the Yocto Project uses. An understanding of common end-to-end development models and tasks. Information about common development tasks generally used during image development for embedded

devices. Information on using the Yocto Project integration of the QuickEMUlator (QEMU), which lets you simulate running on hardware an image you have built using the OpenEmbedded build system. Many references to other sources of related information.

SAS Programming for R Users Jordan Bakerman 2019-12-09 SAS Programming for R Users, based on the free SAS Education course of the same name, is designed for experienced R users who want to transfer their programming skills to SAS. Emphasis is on programming and not statistical theory or interpretation. You will learn how to write programs in SAS that replicate familiar functions and capabilities in R. This book covers a wide range of topics including the basics of the SAS programming language, how to import data, how to create new variables, random number generation, linear modeling, Interactive Matrix Language (IML), and many other SAS procedures. This book also explains how to write R code directly in the SAS code

editor for seamless integration between the two tools. Exercises are provided at the end of each chapter so that you can test your knowledge and practice your programming skills.

Entrepreneurship Harold P. Welsch 2004 This volume offers insight and perspective on entrepreneurship from the foremost academic leaders in the field.