

Datastage Developer Guide

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Implementing an Advanced Application Using Processes, Rules, Events, and Reports Ahmed Abdel-Gayed 2012-10-12
In this IBM® Redbooks® publication we describe how to build an advanced business application from end to end. We use a fictional scenario to define the application, document the deployment methodology, and confirm the roles needed to support its development and deployment. Through step-by-step instructions you learn how to: - Define the project lifecycle using IBM Solution for Collaborative Lifecycle Management - Build a logical and physical data model in IBM InfoSphere® Data Architect - Confirm business rules and business events using IBM WebSphere® Operational Decision Management - Map a business process and mediation using IBM Business Process Manager - Use IBM Cognos® Business Intelligence to develop business insight In addition, we articulate a testing strategy using IBM Rational® Quality Manager and deployment options using IBM Workload Deployer. Taken together, this book provides comprehensive guidance for building and testing a solution using core IBM Rational, Information Management, WebSphere, Cognos and Business Process Management software. It seeks to demystify the notion that developing and deploying advanced solutions is taxing. This book will appeal to IT architects and specialists who seek straightforward guidance on how to build comprehensive solutions. They will be able to adapt these materials to kick-start their own end-to-end projects.

Deployment Guide for InfoSphere Guardium Whei-Jen Chen 2015-04-14 IBM® InfoSphere® Guardium® provides the simplest, most robust solution for data security and data privacy by assuring the integrity of trusted information in your data center. InfoSphere Guardium helps you reduce support costs by automating the entire compliance auditing process across heterogeneous environments. InfoSphere Guardium offers a flexible and scalable solution to support varying customer architecture requirements. This IBM Redbooks® publication provides a guide for deploying the Guardium solutions. This book also provides a roadmap process for implementing an InfoSphere Guardium solution that is based on years of experience and best practices that were collected from various Guardium experts. We describe planning, installation, configuration, monitoring, and administrating an InfoSphere Guardium environment. We also describe use cases and how InfoSphere Guardium integrates with other IBM products. The guidance can help you successfully deploy and manage an IBM InfoSphere Guardium system. This book is intended for the system administrators and support staff who are responsible for deploying or supporting an InfoSphere Guardium environment.

Beyond Big Data Martin Oberhofer 2014-10-17 Drive Powerful Business Value by Extending MDM to Social, Mobile, Local, and Transactional Data Enterprises have long relied on Master Data Management (MDM) to improve customer-related processes. But MDM was designed primarily for structured data. Today, crucial information is increasingly captured in unstructured, transactional, and social formats: from tweets and

Facebook posts to call center transcripts. Even with tools like Hadoop, extracting usable insight is difficult—often, because it's so difficult to integrate new and legacy data sources. In *Beyond Big Data*, five of IBM's leading data management experts introduce powerful new ways to integrate social, mobile, location, and traditional data. Drawing on pioneering experience with IBM's enterprise customers, they show how Social MDM can help you deepen relationships, improve prospect targeting, and fully engage customers through mobile channels. Business leaders and practitioners will discover powerful new ways to combine social and master data to improve performance and uncover new opportunities. Architects and other technical leaders will find a complete reference architecture, in-depth coverage of relevant technologies and use cases, and domain-specific best practices for their own projects. Coverage Includes How Social MDM extends fundamental MDM concepts and techniques Architecting Social MDM: components, functions, layers, and interactions Identifying high value relationships: person to product and person to organization Mapping Social MDM architecture to specific products and technologies Using Social MDM to create more compelling customer experiences Accelerating your transition to highly-targeted, contextual marketing Incorporating mobile data to improve employee productivity Avoiding privacy and ethical pitfalls throughout your ecosystem Previewing Semantic MDM and other emerging trends

The guide to IT contracting Samuel Blankson 2007-12-01
Smarter Business: Dynamic Information with IBM InfoSphere Data Replication CDC Chuck Ballard 2012-03-12
To make better informed business decisions, better serve clients, and increase operational efficiencies, you must be aware of changes to key data as they occur. In addition, you must enable the immediate delivery of this information to the people and processes that need to act upon it. This ability to sense and respond to data changes is fundamental to dynamic warehousing, master data management, and many other key initiatives. A major challenge in providing this type of environment is determining how to tie all the independent systems together and process the immense data flow requirements. IBM® InfoSphere® Change Data Capture (InfoSphere CDC) can respond to that challenge, providing programming-free data integration, and eliminating redundant data transfer, to minimize the impact on production systems. In this IBM Redbooks® publication, we show you examples of how InfoSphere CDC can be used to implement integrated systems, to keep those systems updated immediately as changes occur, and to use your existing infrastructure and scale up as your workload grows. InfoSphere CDC can also enhance your investment in other software, such as IBM DataStage® and IBM QualityStage®, IBM InfoSphere Warehouse, and IBM InfoSphere Master Data Management Server, enabling real-time and event-driven processes. Enable the integration of your critical data and make it immediately available as your business needs it.

IBM WebSphere Transformation Extender 8.2 John Bergland 2009

A Practical Guide to Managing Reference Data with IBM InfoSphere Master Data Management Reference Data Management Hub

Whei-Jen Chen 2013-05-06 IBM® InfoSphere® Master Data Management Reference Data Management Hub (InfoSphere MDM Ref DM Hub) is designed as a ready-to-run application that provides the governance, process, security, and audit control for managing reference data as an enterprise standard, resulting in fewer errors, reduced business risk and cost savings. This IBM Redbooks® publication describes where InfoSphere MDM Ref DM Hub fits into information management reference architecture. It explains the end-to-end process of an InfoSphere MDM Ref DM Hub implementation including the considerations of planning a reference data management project, requirements gathering and analysis, model design in detail, and integration considerations and scenarios. It then shows implementation examples and the ongoing administration tasks. This publication can help IT professionals who are interested or have a need to manage reference data efficiently and implement an InfoSphere MDM Ref DM Hub solution with ease.

Computerworld 2004-04-19 For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Wetland Evaluation Guide Wayne K. Bond 1992

Serial Port Complete: The Developer's Guide, Second Edition Jan Axelson 2007-12-01 When PCs and peripherals began showing up with USB ports in the late 1990s, many predicted that legacy serial (COM) ports would soon be obsolete. The predictions were wrong. While most standard peripherals now use USB, serial ports are the interface of choice for devices that require simple programming, long cables, operation in harsh environments, or basic networking capabilities. Serial ports are more versatile than ever due to developments such as USB virtual COM ports, the .NET SerialPort class, enhanced microcontroller USARTs, and new wireless interfaces. Serial Port Complete Second Edition is a completely revised and updated guide to programming and interfacing to COM ports, USB virtual COM ports, and serial ports in embedded systems. Author Jan Axelson shows how to: § Access COM ports using the SerialPort class in Microsoft's .NET Framework. § Program embedded systems for serial-port communications. § Design and program USB devices accessed as virtual COM ports. § Upgrade RS-232 designs to USB with no changes to host software or device firmware. § Design circuits for electrically harsh environments. § Create serial networks of embedded systems and PCs. § Use serial ports in wireless links. Example code is provided for PCs and embedded systems in both Basic and C/C#. The author maintains a website with articles, program code, and other links of interest to developers of serial-port applications (janaxelson.com).

Creative Approaches to Problem Solving Scott G. Isaksen 2011 Creative Approaches to Problem Solving (CAPS) is a comprehensive text covering the well-known, cited, and used system for problem solving and creativity known as Creative Problem Solving (CPS). CPS is a flexible system used to help individuals and groups solve problems, manage change, and deliver innovation. It provides a framework, language, guidelines, and set of easy-to-use tools for understanding challenges, generating ideas and transforming promising ideas into action. Features and Benefits: - Specific objectives in each chapter for the reader - This provides a clear focus for instruction or independent learning - Practical case study introduced in the beginning of each chapter and then completed as a "rest of the story" toward the end of the chapter - This feature provides an application anchor for the reader - Upgraded mix of graphics - These updated and refreshed

graphics include tables, figures, and illustrative images that are designed to provide "pictures" to go along with the word. The aim has been to aid attention, retention, and practical application - Enhanced emphasis on flexible, dynamic process-- Enables users to select and apply CPS tools, components, and stages in a meaningful way that meets their actual needs - A framework for problem solving that has been tested and applied across ages, settings, and cultures-- Readers can apply a common approach to process across many traditional "boundaries" that have limited effectiveness. Creative Approaches to Problem Solving has been (and continues to be) used as a core text for faculty who are teaching courses in Creative Problem Solving or Creativity and Innovation as part of an MBA program, or in Education, a course on Creativity (often as a component of certification or endorsement requirements in gifted education). It is also used as a core text for those enrolled in professional development, continuing education, or executive education programmes.

IBM Cloud Private System Administrator's Guide Ahmed Azraq 2019-05-13 IBM® Cloud Private is an application platform for developing and managing containerized applications across hybrid cloud environments, on-premises and public clouds. It is an integrated environment for managing containers that includes the container orchestrator Kubernetes, a private image registry, a management console, and monitoring frameworks. This IBM Redbooks covers tasks performed by IBM Cloud Private system administrators such as installation for high availability, configuration, backup and restore, using persistent volumes, networking, security, logging and monitoring. Istio integration, troubleshooting and so on. As part of this project we also developed several code examples and you can download those from the IBM Redbooks GitHub location: <https://github.com/IBMRedbooks>. The authors team has many years of experience in implementing IBM Cloud Private and other cloud solutions in production environments, so throughout this document we took the approach of providing you the recommended practices in those areas. If you are an IBM Cloud Private system administrator, this book is for you. If you are developing applications on IBM Cloud Private, you can see the IBM Redbooks publication IBM Cloud Private Application Developer's Guide, SG24-8441.

InfoSphere DataStage for Enterprise XML Data Integration Chuck Ballard 2012-05-23 XML is one of the most common standards for the exchange of information. However, organizations find challenges in how to address the complexities of dealing with hierarchical data types, particularly as they scale to gigabytes and beyond. In this IBM® Redbooks® publication, we discuss and describe the new capabilities in IBM InfoSphere® DataStage® 8.5. These capabilities enable developers to more easily manage the design and processing requirements presented by the most challenging XML sources. Developers can use these capabilities to create powerful hierarchical transformations and to parse and compose XML data with high performance and scalability. Spanning both batch and real-time run times, these capabilities can be used to solve a broad range of business requirements. As part of the IBM InfoSphere Information Server 8.5 release, InfoSphere DataStage was enhanced with new hierarchical transformation capabilities called .XML Stage provides native XML schema support and powerful XML transformation functionality. These capabilities are based on a unique state-of-the-art technology that allows you to parse and compose any complex XML structure from and to a relational form, as well as to a separate hierarchical form. This book is targeted at an audience of systems designers and developers who focus on implementing XML integration support in their environments.

Microsoft Access Developer's Guide to SQL Server Mary

Chipman 2000 A guide for Access power users and developers explains how to use the SQL server to configure MSDE, build stored procedures, convert applications, improve server security, and build Access interfaces.

Pentaho 3.2 Data Integration María Carina Roldán 2010-04-09 "Pentaho Data Integration (a.k.a. Kettle) is a full-featured open source ETL (Extract, Transform, and Load) solution. Although PDI is a feature-rich tool, effectively capturing, manipulating, cleansing, transferring, and loading data can get complicated. This book is full of practical examples that will help you to take advantage of Pentaho Data Integration's graphical, drag-and-drop design environment. You will quickly get started with Pentaho Data Integration by following the step-by-step guidance in this book. The useful tips in this book will encourage you to exploit powerful features of Pentaho Data Integration and perform ETL operations with ease."--Resource description p.

Enhance Inbound and Outbound Marketing with a Trusted Single View of the Customer Chuck Ballard 2015-02-02 IBM Campaign® and IBM Interact are critical components in an Enterprise Marketing Management (EMM) platform. They are the foundation for optimizing your marketing campaign effectiveness, marketing operations, and multi-channel marketing execution. However, the effectiveness of the marketing campaigns is highly dependent on the quality, accuracy, and completeness of the underlying customer information used by the EMM platform. IBM InfoSphere Master Data Management (MDM) is a trusted source of that complete, accurate, customer information. Using your master data as the basis for running marketing campaigns provides the best information available for the best possible return-on-investment for your marketing operations. This IBM Redbooks® publication describes how master data about customers is extracted from an MDM hub and delivered through an "information supply chain" to your marketing data repository. This information supply chain includes capabilities such as data integration, metadata management, industry data models, and workload-optimized analytics appliance. The intent of this book is to give marketing organizations (both the business and IT functions for marketing) a blueprint for how to architect your EMM solution in a way that best takes advantage of your trusted master data.

Business Intelligence Guidebook Rick Sherman 2014-11-04 Between the high-level concepts of business intelligence and the nitty-gritty instructions for using vendors' tools lies the essential, yet poorly-understood layer of architecture, design and process. Without this knowledge, Big Data is belittled – projects flounder, are late and go over budget. Business Intelligence Guidebook: From Data Integration to Analytics shines a bright light on an often neglected topic, arming you with the knowledge you need to design rock-solid business intelligence and data integration processes. Practicing consultant and adjunct BI professor Rick Sherman takes the guesswork out of creating systems that are cost-effective, reusable and essential for transforming raw data into valuable information for business decision-makers. After reading this book, you will be able to design the overall architecture for functioning business intelligence systems with the supporting data warehousing and data-integration applications. You will have the information you need to get a project launched, developed, managed and delivered on time and on budget – turning the deluge of data into actionable information that fuels business knowledge. Finally, you'll give your career a boost by demonstrating an essential knowledge that puts corporate BI projects on a fast-track to success. Provides practical guidelines for building successful BI, DW and data integration solutions. Explains underlying BI, DW and data integration design, architecture and processes in clear, accessible language. Includes the complete

project development lifecycle that can be applied at large enterprises as well as at small to medium-sized businesses Describes best practices and pragmatic approaches so readers can put them into action. Companion website includes templates and examples, further discussion of key topics, instructor materials, and references to trusted industry sources.

IBM InfoSphere Information Server Deployment Architectures Chuck Ballard 2013-01-17 Typical deployment architectures introduce challenges to fully using the shared metadata platform across products, environments, and servers. Data privacy and information security requirements add even more levels of complexity. IBM® InfoSphere® Information Server provides a comprehensive, metadata-driven platform for delivering trusted information across heterogeneous systems. This IBM Redbooks® publication presents guidelines and criteria for the successful deployment of InfoSphere Information Server components in typical logical infrastructure topologies that use shared metadata capabilities of the platform, and support development lifecycle, data privacy, information security, high availability, and performance requirements. This book can help you evaluate information requirements to determine an appropriate deployment architecture, based on guidelines that are presented here, and that can fulfill specific use cases. It can also help you effectively use the functionality of your Information Server product modules and components to successfully achieve your business goals. This book is for IT architects, information management and integration specialists, and system administrators who are responsible for delivering the full suite of information integration capabilities of InfoSphere Information Server.

Batch Modernization on z/OS Mike Ebberts 2012-07-26 Mainframe computers play a central role in the daily operations of many of the world's largest corporations, and batch processing is a fundamental part of the workloads that run on the mainframe. A large portion of the workload on IBM® z/OS® systems is processed in batch mode. Although several IBM Redbooks® publications discuss application modernization on the IBM z/OS platform, this book specifically addresses batch processing in detail. Many different technologies are available in a batch environment on z/OS systems. This book demonstrates these technologies and shows how the z/OS system offers a sophisticated environment for batch. In this practical book, we discuss a variety of themes that are of importance for batch workloads on z/OS systems and offer examples that you can try on your own system. The audience for this book includes IT architects and application developers, with a focus on batch processing on the z/OS platform.

The Book of Postfix Ralf Hildebrandt 2005 A guide to using Postfix covers such topics as filtering spam and viruses, authenticating users, encrypting with TLS, and setting up mail gateways.

IBM InfoSphere DataStage Data Flow and Job Design IBM Redbooks 2008

A Career Exploration and Job Guide by Field Tony Kelbrat 2022-07-28 This is a career exploration and job-finder book for many different fields. I provide information, job websites and organizations for many occupations. Beyond this book, I created job books for occupations like medical, business, computer, media, transportation, teaching, liberal arts, etc. The 84 volumes are as follows: Volume 1. What Do I Want to do With my Life? 1 Volume 2. What Do I Want to do With my Life? 2 Volume 3. A Career Ideas Guide Volume 4. A Psychology-Aptitude-Career Test Guide Volume 5. A Job-Life Purpose Question Guide Volume 6. A Career Exploration Guide 1 Volume 7. A Career Exploration Guide 2 Volume 8. A Career Exploration Guide 3 Volume 9. A Career Exploration Guide 4 Volume 10. A Career Exploration Website Guide 1 Volume

11. A Career Exploration Website Guide 2 Volume 12. Career Knowledge for Young People Volume 13. Career Information at careerprofiles.info Volume 14. A Job Idea Guide 1 Volume 15. A Job Idea Guide 2 Volume 16. A Canada Career Exploration Guide Volume 17. A Psychology Career Exploration Guide Volume 18. An Occupational List Guide 1 Volume 19. An Occupational List Guide 2 Volume 20. An Occupational List Guide 3 Volume 21. An Occupational List Guide 4 Volume 22. An Occupational List Guide 5 Volume 23. Industry Classification Guides Volume 24. A Career and College Idea Website Guide Volume 25. Specific Profession Websites at workblogging.blogspot.ca Volume 26. Job and Career Ideas from vocationaltraininghq Volume 27. The Job Fields, Occupations and Professions 1 Volume 28. The Job Fields, Occupations and Professions 2 Volume 29. Job Fields, Occupations and Professions from the Phonebook Volume 30. Occupational Fields by Category Volume 31. U.S. Websites by Category with Career Ideas Volume 32. Job Ideas and Career Articles Volume 33. A Career Change Guide Volume 34. A Career Change Website Guide Volume 35. An Older Person Job Guide Volume 36. A Job Website Guide by Field and Country at workable Volume 37. A Niche Job Website Guide 1 Volume 38. A Niche Job Website Guide 2 Volume 39. nichejobs.com Created many Niche Job Websites, Some Don't Work Volume 40. Job Websites by Field at career.fsu.edu Volume 41. Many Job Boards by Field at betterteam Volume 42. A Job Website Guide by Field from jobstars.com/niche-job-sites Volume 43. Career Fairs and Events by Industry at jobstars.com/industry-events-conferences Volume 44. Job Websites by Field from the Dead Website jobsourcenetwork Volume 45. Job Websites in Some ...

IBM Cloud Private Application Developer's Guide Ahmed Azraq 2019-05-01 IBM® Cloud Private is an application platform for developing and managing containerized applications across hybrid cloud environments, on-premises and public clouds. It is an integrated environment for managing containers that includes the container orchestrator Kubernetes, a private image registry, a management console, and monitoring frameworks. This IBM Redbooks® publication covers tasks that are performed by IBM Cloud™ Private application developers, such as deploying applications, application packaging with helm, application automation with DevOps, using Microclimate, and managing your service mesh with Istio. The authors team has many years of experience in implementing IBM Cloud Private and other cloud solutions in production environments. Throughout this book, we used the approach of providing you the recommended practices in those areas. As part of this project, we also developed several code examples, which can be downloaded from the Redbooks GitHub web page. If you are an IBM Cloud Private application developer, this book is for you. If you are an IBM Cloud Private systems administrator, you can see the IBM Redbooks publication *IBM Private Cloud Systems Administrator's Guide*, SG248440.

Serverless ETL and Analytics with AWS Glue Vishal Pathak 2022-08-30 Build efficient data lakes that can scale to virtually unlimited size using AWS Glue Key Features Learn to work with AWS Glue to overcome typical implementation challenges in data lakes Create and manage serverless ETL pipelines that can scale to manage big data Written by AWS Glue community members, this practical guide shows you how to implement AWS Glue in no time Book Description Organizations these days have gravitated toward services such as AWS Glue that undertake undifferentiated heavy lifting and provide serverless Spark, enabling you to create and manage data lakes in a serverless fashion. This guide shows you how AWS Glue can be used to solve real-world problems along with helping you learn about data processing, data integration, and building data lakes. Beginning with AWS Glue basics, this book teaches you how to perform

various aspects of data analysis such as ad hoc queries, data visualization, and real-time analysis using this service. It also provides a walk-through of CI/CD for AWS Glue and how to shift left on quality using automated regression tests. You'll find out how data security aspects such as access control, encryption, auditing, and networking are implemented, as well as getting to grips with useful techniques such as picking the right file format, compression, partitioning, and bucketing. As you advance, you'll discover AWS Glue features such as crawlers, Lake Formation, governed tables, lineage, DataBrew, Glue Studio, and custom connectors. The concluding chapters help you to understand various performance tuning, troubleshooting, and monitoring options. By the end of this AWS book, you'll be able to create, manage, troubleshoot, and deploy ETL pipelines using AWS Glue. What you will learn Apply various AWS Glue features to manage and create data lakes Use Glue DataBrew and Glue Studio for data preparation Optimize data layout in cloud storage to accelerate analytics workloads Manage metadata including database, table, and schema definitions Secure your data during access control, encryption, auditing, and networking Monitor AWS Glue jobs to detect delays and loss of data Integrate Spark ML and SageMaker with AWS Glue to create machine learning models Who this book is for This book is for ETL developers, data engineers, and data analysts who want to understand how AWS Glue can help you solve your business problems. Basic knowledge of AWS data services is assumed.

Oracle SQL*Plus Jonathan Gennick 1999 An interactive guide to Oracle's intensive query tool, SQL* Plus, discusses its powerful features, furnishes a syntax quick reference, and explains how to write and execute script files, generate reports, extract data from the database, utilize new administrative features, query data dictionary tables, and more. Original. (Intermediate)

InfoSphere DataStage Parallel Framework Standard Practices Julius Lerm 2013-02-12 In this IBM® Redbooks® publication, we present guidelines for the development of highly efficient and scalable information integration applications with InfoSphere™ DataStage® (DS) parallel jobs. InfoSphere DataStage is at the core of IBM Information Server, providing components that yield a high degree of freedom. For any particular problem there might be multiple solutions, which tend to be influenced by personal preferences, background, and previous experience. All too often, those solutions yield less than optimal, and non-scalable, implementations. This book includes a comprehensive detailed description of the components available, and descriptions on how to use them to obtain scalable and efficient solutions, for both batch and real-time scenarios. The advice provided in this document is the result of the combined proven experience from a number of expert practitioners in the field of high performance information integration, evolved over several years. This book is intended for IT architects, Information Management specialists, and Information Integration specialists responsible for delivering cost-effective IBM InfoSphere DataStage performance on all platforms.

Business Intelligence Demystified Anoop Kumar V K 2021-09-25 Clear your doubts about Business Intelligence and start your new journey KEY FEATURES ● Includes successful methods and innovative ideas to achieve success with BI. ● Vendor-neutral, unbiased, and based on experience. ● Highlights practical challenges in BI journeys. ● Covers financial aspects along with technical aspects. ● Showcases multiple BI organization models and the structure of BI teams. DESCRIPTION The book demystifies misconceptions and misinformation about BI. It provides clarity to almost everything related to BI in a simplified and unbiased way. It covers topics right from the definition of BI, terms used in the BI

definition, coinage of BI, details of the different main uses of BI, processes that support the main uses, side benefits, and the level of importance of BI, various types of BI based on various parameters, main phases in the BI journey and the challenges faced in each of the phases in the BI journey. It clarifies myths about self-service BI and real-time BI. The book covers the structure of a typical internal BI team, BI organizational models, and the main roles in BI. It also clarifies the doubts around roles in BI. It explores the different components that add to the cost of BI and explains how to calculate the total cost of the ownership of BI and ROI for BI. It covers several ideas, including unconventional ideas to achieve BI success and also learn about IBI. It explains the different types of BI architectures, commonly used technologies, tools, and concepts in BI and provides clarity about the boundary of BI w.r.t technologies, tools, and concepts. The book helps you lay a very strong foundation and provides the right perspective about BI. It enables you to start or restart your journey with BI. **WHAT YOU WILL LEARN** ● Builds a strong conceptual foundation in BI. ● Gives the right perspective and clarity on BI uses, challenges, and architectures. ● Enables you to make the right decisions on the BI structure, organization model, and budget. ● Explains which type of BI solution is required for your business. ● Applies successful BI ideas. **WHO THIS BOOK IS FOR** This book is a must-read for business managers, BI aspirants, CxOs, and all those who want to drive the business value with data-driven insights. **TABLE OF CONTENTS** 1. What is Business Intelligence? 2. Why do Businesses need BI? 3. Types of Business Intelligence 4. Challenges in Business Intelligence 5. Roles in Business Intelligence 6. Financials of Business Intelligence 7. Ideas for Success with BI 8. Introduction to IBI 9. BI Architectures 10. Demystify Tech, Tools, and Concepts in BI
Creative Approaches to Problem Solving Scott G. Isaksen 2010-01-20 Everything your students need to solve problems, manage change and deliver innovation using the Creative Problem Solving framework This text is the most comprehensive and contemporary overview and description of Creative Problem Solving (CPS) available today. Friendly and highly practical for a broad base of researchers and practitioners, the book provides a framework, language, guidelines, and set of easy-to-use tools for understanding challenges, generating ideas, and transforming promising ideas into action. **New and Hallmark Features** The authors expanded their emphasis on CPS as a flexible, dynamic process that enables users to select and apply CPS tools, components, and stages in a meaningful way that meets their actual needs. A framework for problem solving that has been tested and applied across ages, settings, and cultures allows readers to apply a common approach to process across many traditional "boundaries." Specific objectives in each chapter provide a clear focus for instruction or independent learning. Practical case studies introduced at the beginning of each chapter and then completed as a "rest of the story" toward the end of the chapter provide an application anchor for the reader. **New enhanced graphics:** Updated and refreshed tables, figures, and illustrative images provide "pictures" to go along with the authors' words. A companion Web site with additional resources can be found at www.sagepub.com/Isaksen3e.
Pentaho Kettle Solutions Matt Casters 2010-09-02 A complete guide to Pentaho Kettle, the Pentaho Data Integration toolset for ETL This practical book is a complete guide to installing, configuring, and managing Pentaho Kettle. If you're a database administrator or developer, you'll first get up to speed on Kettle basics and how to apply Kettle to create ETL solutions—before progressing to specialized concepts such as clustering, extensibility, and data vault models. Learn how to

design and build every phase of an ETL solution. Shows developers and database administrators how to use the open-source Pentaho Kettle for enterprise-level ETL processes (Extracting, Transforming, and Loading data) Assumes no prior knowledge of Kettle or ETL, and brings beginners thoroughly up to speed at their own pace Explains how to get Kettle solutions up and running, then follows the 34 ETL subsystems model, as created by the Kimball Group, to explore the entire ETL lifecycle, including all aspects of data warehousing with Kettle Goes beyond routine tasks to explore how to extend Kettle and scale Kettle solutions using a distributed "cloud" Get the most out of Pentaho Kettle and your data warehousing with this detailed guide—from simple single table data migration to complex multisystem clustered data integration tasks.
Programming Hive Edward Capriolo 2012-09-26 Describes the features and functions of Apache Hive, the data infrastructure for Hadoop.
Apache Kafka 2018-10-30 IoT Apache Kafka is the most powerful distributed streaming platform in the world. It is designed to handle real-time data feeds at massive scale. This book covers the fundamentals of Apache Kafka, from the underlying architecture to the high-level APIs. You'll learn how to build and manage Kafka clusters, how to write applications that use Kafka, and how to integrate Kafka with other technologies. **Apache Kafka** is a distributed streaming platform that allows you to build real-time data pipelines and streaming applications. It is designed to handle real-time data feeds at massive scale. This book covers the fundamentals of Apache Kafka, from the underlying architecture to the high-level APIs. You'll learn how to build and manage Kafka clusters, how to write applications that use Kafka, and how to integrate Kafka with other technologies.
IBM Information Server: Integration and Governance for Emerging Data Warehouse Demands Chuck Ballard 2013-07-10 This IBM® Redbooks® publication is intended for business leaders and IT architects who are responsible for building and extending their data warehouse and Business Intelligence infrastructure. It provides an overview of powerful new capabilities of Information Server in the areas of big data, statistical models, data governance and data quality. The book also provides key technical details that IT professionals can use in solution planning, design, and implementation.
System Programmer's Guide to Workload Manager IBM Redbooks 2007-01-01
USB Complete: The Developer's Guide, Fifth Edition Jan Axelson 2015-03-01 Developers who design and program USB devices have a new resource in the fifth edition of *USB Complete: The Developer's Guide*. This edition adds an introduction to USB 3.1 and SuperSpeedPlus bus, which offers a 2x increase in bus speed over USB 3.0's SuperSpeed. For designs that don't require USB 3.1's capabilities, the book also covers USB 2.0 technology and applications. *USB Complete Fifth Edition* bridges the gap between the technical specifications and the real world of design and programming. Author Jan Axelson distills the fundamentals of the protocols and guides developers in choosing device hardware, deciding whether to target a USB class driver or another host driver, and writing device firmware and host applications. Example code in Visual C# shows how to detect and access USB devices and how to program and communicate with vendor-defined devices that use the human-interface-device (HID) class driver and Microsoft's WinUSB driver. Also covered are how to use bus power, including new advanced power delivery capabilities, wireless communications for USB devices, and developing embedded hosts, including dual-role USB On-The-Go devices. Programmers and hardware designers can rely on *USB Complete's Fifth Edition* to help get projects up and running quickly. Students and hobbyists will learn how to use the interface built into every PC. Instructors will find inspiration and guidance for class projects.
IBM InfoSphere Information Server Installation and Configuration Guide Patrick (Danny) Owen 2013-01-14 This IBM® Redpaper™ publication provides suggestions, hints and tips, directions, installation steps, checklists of prerequisites, and configuration information collected from several IBM InfoSphere® Information Server experts.

It is intended to minimize the time required to successfully install and configure InfoSphere Information Server. The information in this document is based on field experiences of experts who have implemented InfoSphere Information Server. As such, it is intended to supplement, and not replace, the product documentation. Discover the proven choices and combinations for installing InfoSphere Information Server that have been the most successful for the IBM InfoSphere Center Of Excellence. This paper includes a broad range of customer needs and experiences, with a focus on the following areas: InfoSphere Information Server architecture Checklists Prerequisites Configuration choices that work well together This paper is based on thousands of hours of production systems experience, from which you can now reap significant benefits.

Red Hat OpenShift V4.3 on IBM Power Systems Reference Guide Dino Quintero 2020-09-10 This IBM® Redpaper publication describes how to deploy Red Hat OpenShift V4.3 on IBM Power Systems servers. This book presents reference architectures for deployment, initial sizing guidelines for server, storage, and IBM Cloud® Paks. Moreover, this publication delivers information about initial supported Power System configurations for Red Hat OpenShift V4.3 deployment (bare metal, IBM PowerVM® LE LPARs, and others). This book serves as a guide for how to deploy Red Hat OpenShift V4.3 and provide start guidelines and recommended practices for implementing it on Power Systems and completing it with the supported IBM Cloud Paks. The publication addresses topics for developers, IT architects, IT specialists, sellers, and anyone who wants to implement a Red Hat OpenShift V4.3 and IBM Cloud Paks on IBM Power Systems. This book also provides technical content to transfer how-to skills to the support teams, and solution guidance to the sales team. This book compliments the documentation that is available at IBM Knowledge Center, and also aligns with the educational offerings that are provided by the IBM Systems Technical Education (SSE).

USB Embedded Hosts Jan Axelson 2011-11-01 Developers who want to access USB devices from their embedded systems will find a helpful resource in USB Embedded Hosts: The Developer's Guide. This new book from the author of USB Complete shows how small systems can take advantage of the same wealth of USB devices available to conventional PCs. The book begins with a review of USB host communication protocols. Readers then learn which USB host requirements are relaxed for embedded systems and what new requirements some embedded systems must meet. To help in selecting a development platform, the book explores available hardware and software for USB host communications in small systems. The heart of the book focuses on communicating with USB devices. The topics (with example code) include USB drives, keyboards, virtual serial ports, network bridges, mics, speakers, video cameras, and printers, plus devices that don't fit defined USB classes. Also discussed are systems that support both USB host and device functions. The example code is written for the BeagleBoard-xM open development

board using a distribution of Linux targeted to small systems. Also covered is how to use Linux commands and utilities to learn about, monitor, and debug communications with USB devices.

Metadata Management with IBM InfoSphere Information Server Wei-Dong Zhu 2011-10-18 What do you know about your data? And how do you know what you know about your data? Information governance initiatives address corporate concerns about the quality and reliability of information in planning and decision-making processes. Metadata management refers to the tools, processes, and environment that are provided so that organizations can reliably and easily share, locate, and retrieve information from these systems. Enterprise-wide information integration projects integrate data from these systems to one location to generate required reports and analysis. During this type of implementation process, metadata management must be provided along each step to ensure that the final reports and analysis are from the right data sources, are complete, and have quality. This IBM® Redbooks® publication introduces the information governance initiative and highlights the immediate needs for metadata management. It explains how IBM InfoSphere™ Information Server provides a single unified platform and a collection of product modules and components so that organizations can understand, cleanse, transform, and deliver trustworthy and context-rich information. It describes a typical implementation process. It explains how InfoSphere Information Server provides the functions that are required to implement such a solution and, more importantly, to achieve metadata management. This book is for business leaders and IT architects with an overview of metadata management in information integration solution space. It also provides key technical details that IT professionals can use in a solution planning, design, and implementation process.

BMC Control-M 7 Qiang Ding 2012-10-10 Master one of the world's most powerful enterprise workload automation tools? BMC Control-M 7 - using this book and eBook.

New Trends in Data Warehousing and Data Analysis Stanisław Kozielski 2008-11-21 Most of modern enterprises, institutions, and organizations rely on knowledge-based management systems. In these systems, knowledge is gained from data analysis. Today, knowledge-based management systems include data warehouses as their core components. Data integrated in a data warehouse are analyzed by the so-called On-Line Analytical Processing (OLAP) applications designed to discover trends, patterns of behavior, and anomalies as well as finding dependencies between data. Massive amounts of integrated data and the complexity of integrated data coming from many different sources make data integration and processing challenging. New Trends in Data Warehousing and Data Analysis brings together the most recent research and practical achievements in the DW and OLAP technologies. It provides an up-to-date bibliography of published works and the resource of research achievements. Finally, the book assists in the dissemination of knowledge in the field of advanced DW and OLAP.