

Informatica Cloud User Guide

A practical cookbook on building portals with GateIn including user security, gadgets, and every type of portlet possible.

Get up to lightning speed with this fully updated, bestselling guide to using Salesforce.com! Salesforce.com For Dummies, 7th Edition gives you an edge in building relationships and managing your company's sales, marketing, customer service, and support operations. You'll learn how to maximize the new user interface to organize contacts, schedule business appointments, use forecasting tools to predict upcoming sales, make accurate projects based on past performance, and more. Written by Salesforce.com insiders with years of expertise in CRM services, this new edition covers the latest enhancements to Salesforce.com, the world's most popular customer relationship management software. You'll find out how to determine the right configuration to suit your business needs, and how to use apps, widgets, and tools to personalize your system. Then, you'll explore prospecting leads, managing accounts and partners, developing contacts, tracking products, calculating forecasts, and utilizing service and support. Customize the new user interface with apps, widgets, and tools Prospect leads, drive sales, and provide outstanding customer service Manage contacts, identify opportunities, and analyze your results Collaborate with colleagues using Chatter More than 150,000 companies worldwide use Salesforce.com as their CRM solution—if you're a new or existing user looking to maximize the potential of the new UI, this book has everything you need.

This book provides practical knowledge on different aspects of information and knowledge management in businesses. For enterprises/businesses those intend to remain prosperous and prolific, it is critically important to share best practices, ensure efficient information flow across company, capturing shared knowledge centrally, and communicate compliance rules, i.e. managing competently information in general. It enables faster and better decisions by helping employees to build a strong expertise and by avoiding duplicated projects. Thus, the second volume of this series subtitle continues to explore different aspects of information and knowledge handling as well as doing business with information. We survey further the key aspects of managerial implications of the informational business. The novel methodologies and practices for the business information processing as well as application of mathematical models to the business analytics and efficient management are examined.

Learning Informatica PowerCenter 10.xPackt Publishing Ltd

Big Data: Concepts, Methodologies, Tools, and Applications

Big Data

6th International Conference, CloudComp 2015, Daejeon, South Korea, October 28-29, 2015, Revised Selected Papers

The what, why, and how of application modernization on Google Cloud

Mastering Microservices with Java 9

The Practitioner's Guide to Data Quality Improvement

Security Smarts for the Self-Guided IT Professional Find out how to excel in the field of computer forensics investigations. Learn what it takes to transition from an IT professional to a computer forensic examiner in the private sector. Written by a Certified Information Systems Security Professional, Computer Forensics: InfoSec Pro Guide is filled with real-world case studies that demonstrate the concepts covered in the book. You'll learn how to set up a forensics lab, select hardware and software, choose forensic imaging procedures, test your tools, capture evidence from different sources, follow a sound investigative process, safely store evidence, and verify your findings. Best practices for documenting your results, preparing reports, and presenting evidence in court are also covered in this detailed resource. Computer Forensics: InfoSec Pro Guide features: Lingo—Common security terms defined so that you're in the know on the job IMHO—Frank and relevant opinions based on the author's years of industry experience Budget Note—Tips for getting security technologies and processes into your organization's budget In Actual Practice—Exceptions to the rules of security explained in real-world contexts Your Plan—Customizable checklists you can use on the job now Into Action—Tips on how, why, and when to apply new skills and techniques at work

L'opera realizzata da accademici e professionisti esperti esamina tutti i variegati aspetti del diritto di internet: dall'atto pubblico informatico, che interessa in modo particolare i notai, ai contratti di fornitura e di licenza d'uso di software e dell'hardware, alle modalità di tutela del software e della proprietà intellettuale, ai profili di responsabilità civile e penale, agli aspetti di diritto tributario. Nuove "regole tecniche in materia di generazione, apposizione e verifica delle firme elettroniche avanzate, qualificate e digitali" sono state dettate dal d.p.c.m. 22.2.2013 (G.U. 21.5.2013, n. 117), particolarmente importanti e significative in tema di firme avanzate. L'opera è aggiornata alla direttiva ADR 2013/11/UE del 21.5.2013 sulla risoluzione alternativa delle controversie dei consumatori ed alle novità introdotte dalla l.98/2013, legge di conversione del Decreto del Fare. STRUTTURA PARTE I: LE FONTI CAPITOLO I: Internet nel diritto internazionale (UGO DRAETTA) CAPITOLO II: I testi dell'UNCITRAL in materia di diritto del commercio elettronico (LUCA G. CASTEL-LANI) CAPITOLO III: La Convenzione sull'uso di comunicazioni elettroniche nei contratti internazionali Sezione I: Il ruolo dell'UNCITRAL nello sviluppo della disciplina sul commercio elettronico (GIUSELLA FINOCCHIARO) Sezione II: La Convenzione sull'uso delle comunicazioni elettroniche: le principali disposizioni (MATILDE RATTI) Sezione III: Luci ed ombre della Convenzione (MATILDE RATTI) Sezione IV: Il progetto di San Marino (MATILDE RATTI) CAPITOLO IV: Il quadro normativo italiano (MICHELE GUERNELLI) PARTE II: I DIRITTI DELLA PERSONALITÀ IN RETE CAPITOLO I: La protezione dei dati personali e la tutela dell'identità (GIUSELLA FINOCCHIARO) CAPITOLO II: Diritto all'anonimato (GIUSELLA FINOCCHIARO) CAPITOLO III: La reputazione nell'era digitale (ANNARITA RICCI) CAPITOLO IV: Tutela dei minori e delle fasce deboli (ALESSANDRA SPANGARO) PARTE III: IL DOCUMENTO INFORMATICO E LA SUA EFFICACIA PROBATORIA CAPITOLO I: Documento informatico, forma analogica e forma elettronica: dalla scrittura privata autenticata all'atto pubblico informatico (FRANCESCO DELFINI) CAPITOLO II: Atto pubblico informatico (VERA TAGLIAFERRI) CAPITOLO III: Firme elettroniche e firma digitale (GIUSELLA FINOCCHIARO) CAPITOLO IV: La procura alle liti su supporto informatico (ELENA ZUCCONI GALLI FONSECA) PARTE IV: I CONTRATTI DEL COMMERCIO ELETTRONICO CAPITOLO I: Il Commercio elettronico: inquadramento generale (FRANCESCO DELFINI) CAPITOLO II: Profili di

tutela del consumatore nei contratti online (VINCENZO CUFFARO) CAPITOLO III: Il “contratto di fornitura di contenuto digitale” e il mercato digitale nell’Unione Europea (SILVIA ZORZETTO) CAPITOLO IV: Il d.lg. 70/2003 Sezione I: Il d.lg. 70/2003 ed il rinvio ad esso fatto dall’art. 68 codice del consumo (FRANCESCO DELFINI) CAPITOLO VI: Contratti di compravendita on-line: acquisto di beni, servizi e pacchetti turistici (AL-BERTO AVITABILE) CAPITOLO VII: I contratti bancari (GIUSELLA FINOCCHIARO) CAPITOLO VIII: I contratti assicurativi (ANDREA VICARI) CAPITOLO IX: Le aste online (ANDREA LODI) CAPITOLO X: I contratti ad oggetto informatico Sezione I: Problematiche generali (GIUSELLA FINOCCHIARO) Sezione II: I contratti per la fornitura di hardware (GIUSELLA FINOCCHIARO) Sezione III: I contratti aventi ad oggetto il software (GIUSELLA FINOCCHIARO) Sezione IV: I contratti di licenza d’uso di software in particolare: la licenza a strappo, licenze freeware, shareware e open-source (ANNARITA RICCI) Sezione V: Le licenze creative commons (BEATRICE CUNEGATTI) Sezione VI: L’outsourcing e cloud computing (ANNARITA RICCI) CAPITOLO XI: I pagamenti internazionali (MARIA CHIARA MALAGUTI) PARTE V: LA RESPONSABILITÀ CIVILE CAPITOLO I: La responsabilità civile da reato informatico (GIUSEPPE CORASANITI) CAPITOLO II: Responsabilità aquiliana per uso della Rete e responsabilità del provider (ALESSANDRO MANTELETO) CAPITOLO III: Responsabilità derivante da trattamento dei dati personali (MASSIMO FRANZONI) PARTE VI: LA TUTELA DEL SOFTWARE E DELLA PROPRIETÀ INTELLETTUALE CAPITOLO I: Il software come creazione intellettuale (DARIA SBARISCIA) CAPITOLO II: La tutela brevettuale (DARIA SBARISCIA) CAPITOLO III: La tutela attraverso la disciplina del diritto d’autore (DARIA SBARISCIA) CAPITOLO IV: La tutela giuridica delle banche dati (DARIA SBARISCIA) CAPITOLO V: Gli e-book (SILVIA GIUDICI) CAPITOLO VI: Contenuti autoprodotti dagli utenti (BEATRICE CUNEGATTI) CAPITOLO VII: La tutela degli audiovisivi e dei contenuti digitali nelle reti di comunicazione elettronica tra diritto d’autore online e responsabilità civile degli internet service provider (EMILIO TOSI) PARTE VII: PROFILI TRIBUTARI DEL COMMERCIO ELETTRONICO CAPITOLO I: Internet, contratti informatici e commercio elettronico nel sistema tributario: problemi e linee evolutive (LORENZO DEL FEDERICO) CAPITOLO II: Rapporti e contratti informatici: categorie reddituali, territorialità e criteri di imputazione nelle imposte sui redditi e nell’IRAP (CHRISTIAN CALIFANO) CAPITOLO III: Rapporti e contratti informatici: stabile organizzazione e tassazione delle imprese e delle società (CONCETTA RICCI) CAPITOLO IV: Rapporti e contratti informatici: il sistema dell’IVA e dei tributi indiretti sugli affari (FRANCESCO MONTANARI) CAPITOLO V: Rapporti e contratti informatici: il sistema doganale (CATERINA VERRIGNI) PARTE VIII: PROFILI DELLA RESPONSABILITÀ PENALE IN INTERNET CAPITOLO I: L’accesso abusivo ad un sistema informatico o telematico (ENRICA FARCI) CAPITOLO II: Frode informatica (MIRKO MARGIOCCO) CAPITOLO III: La tutela penale del diritto d’autore (BEATRICE CUNEGATTI) CAPITOLO IV: Le procedure di conciliazione (LISIA CAROTA) PARTE IX: STRUMENTI INFORMATICI E TELEMATICI E TUTELA DEI DIRITTI CAPITOLO I: Le prove informatiche (ALESSANDRO AMOROSO) CAPITOLO II: Il regolamento (CE) 1896/2006 del Parlamento Europeo e del Consiglio 12.12.2006 sul procedimento europeo di ingiunzione di pagamento e l’opzione del legislatore interno di esclusione della procedura per via telematica (ENRICO CONSOLANDI)

Cloud computing has quickly become the next big step in security development for companies and institutions all over the world. With the technology changing so rapidly, it is important that businesses carefully consider the available advancements and opportunities before implementing cloud computing in their organizations. The Handbook of Research on Security Considerations in Cloud Computing brings together discussion on current approaches to cloud-based technologies and assesses the possibilities for future advancements in this field. Highlighting the need for consumers to understand the unique nature of cloud-delivered security and to evaluate the different aspects of this service to verify if it will meet their needs, this book is an essential reference source for researchers, scholars, postgraduate students, and developers of cloud security systems.

Harness the power of Salesforce to manage and grow your business. This book shows you how to use the Salesforce CRM tool to consolidate consumer data into a single place to gain better insight into your business and more easily manage data. Data (such as email, spreadsheets, databases) is generated through the front office or face of your business, where your company interacts with customers and revenue is generated. In a hotel, for instance, the front office is the lobby where guests are greeted, their problems are handled, and room payments are made. Another example is a coffee shop, where the front office is an employee taking a customer's order or serving a drink. Salespeople connect to customers by selling your company's goods or services. Marketing team members connect with them through advertising and promotional activities. Service and support staff assist customers with problems and provide help with products. This book introduces the many ways Salesforce-based innovations are transforming the technology landscape and the strategies that may be used for designing and launching a digital front office. The book examines how organizations can launch and grow digital solutions and strategies for the governance of the platform and provides an overview of digital transformation across industries. What You Will Learn Understand basic Salesforce concepts, including the digital front office process tower, lead to cash journey, core CRM functions, best practices, and more Review data management concepts, integrated sales, customer service, marketing operations, and proposal and business development needs in a systematic way Use frameworks to build a business architecture and multi-year technology roadmap Get familiar with Salesforce business processes and concepts such as account, contact, lead, and opportunity management; marketing campaigns; master data management (MDM); and lead scoring, grading, and activity management across the front office Define and develop digital marketing challenges and strategy (people, process, brand, messaging, and ROI), measure campaign data, and create an end-to-end campaign in Salesforce Who This Book Is For Business executives, C-suites, IT management, and Salesforce managers and professionals working in IT, business development, sales operations, program management, marketing operations, and proposal development Briggs

A Field Guide

Build domain-driven microservice-based applications with Spring, Spring Cloud, and Angular

Applications for Investigation Processes

Diritto dell'informatica

Enterprise Cloud epUB 1

Data Integration Best Practice Techniques and Technologies

More than ten million people have downloaded BIRT (Business Intelligence and Reporting Tools) from the Eclipse web site, and more than one million developers are estimated to be using BIRT. Built on the open source Eclipse platform, BIRT is a powerful report development system that provides an end-to-end solution—from creating and deploying reports to integrating report capabilities in enterprise applications. *?* The first in a two-book series about this exciting technology, BIRT: A Field Guide to Reporting, Third Edition, is the authoritative guide to using BIRT Report Designer, the graphical tool that enables users of all levels to build reports, from simple to complex, without programming. *?* This book is an essential resource for users who want to create presentation-quality reports quickly. The extensive examples, step-by-step instructions, and abundant illustrations help new users develop report design skills. Power users can find the information they need to make the most of the product's rich set of features to build sophisticated and compelling reports. *?* Readers of this book learn how to Design effective corporate reports that convey complex business information using images, charts, tables, and cross tabs Build reports using data from multiple sources, including databases, spreadsheets, web services, and XML documents Enliven reports with interactive features, such as hyperlinks, tooltips, and highlighting Create reports using a consistent style, and, drawing on templates and libraries of reusable elements, collaborate with other report designers Localize reports for an international audience The third edition, newly revised, adds updated examples, contains close to 1,000 new and replacement screenshots, and covers all the new and improved product features, including Result-set sharing to create dashboard-style reports Data collation conforming to local conventions Using cube data in charts, new chart types, and functionality Displaying bidirectional text, used in right-to-left languages Numerous enhancements to cross tabs, page management, and report layout

Harness the power and simplicity of Informatica PowerCenter 10.x to build and manage efficient data management solutions About This Book Master PowerCenter 10.x components to create, execute, monitor, and schedule ETL processes with a practical approach. An ideal guide to building the necessary skills and competencies to become an expert Informatica PowerCenter developer. A comprehensive guide to fetching/transforming and loading huge volumes of data in a very effective way, with reduced resource consumption Who This Book Is For If you wish to deploy Informatica in enterprise environments and build a career in data warehousing, then this book is for you. Whether you are a software developer/analytic professional and are new to Informatica or an experienced user, you will learn all the features of Informatica 10.x. A basic knowledge of programming and data warehouse concepts is essential. What You Will Learn Install or upgrade the components of the Informatica PowerCenter tool Work on various aspects of administrative skills and on the various developer Informatica PowerCenter screens such as Designer, Workflow Manager, Workflow Monitor, and Repository Manager. Get practical hands-on experience of various sections of Informatica PowerCenter, such as navigator, toolbar, workspace, control panel, and so on Leverage basic and advanced utilities, such as the debugger, target load plan, and incremental aggregation to process data Implement data warehousing concepts such as schemas and SCDs using Informatica Migrate various components, such as sources and targets, to another region using the Designer and Repository Manager screens Enhance code performance using tips such as pushdown optimization and partitioning In Detail Informatica PowerCenter is an industry-leading ETL tool, known for its accelerated data extraction, transformation, and data management strategies. This book will be your quick guide to exploring Informatica PowerCenter's powerful features such as working on sources, targets, transformations, performance optimization, scheduling, deploying for processing, and managing your data at speed. First, you'll learn how to install and configure tools. You will learn to implement various data warehouse and ETL concepts, and use PowerCenter 10.x components to build mappings, tasks, workflows, and so on. You will come across features such as transformations, SCD, XML processing, partitioning, constraint-based loading, Incremental aggregation, and many more. Moreover, you'll also learn to deliver powerful visualizations for data profiling using the advanced monitoring dashboard functionality offered by the new version. Using data transformation technique, performance tuning, and the many new advanced features, this book will help you understand and process data for training or production purposes. The step-by-step approach and adoption of real-time scenarios will guide you through effectively accessing all core functionalities offered by Informatica PowerCenter version 10.x. Style and approach You'll get hand-on with sources, targets, transformations, performance optimization, scheduling, deploying for processing, and managing your data, and learn everything you need to become a proficient Informatica PowerCenter developer. This is a practical step by step hand-on guide to learn and master Informatica. Informatica is widely used ETL tool and provided end to end data integration and management solution. This book introduces Informatica in detail. It provides a detailed step by step installation tutorial of Informatica. It teaches various activities like data cleansing, data profiling, transforming and scheduling the workflows from source to target in simple steps, etc. Here is what you will learn - Chapter 1: Introduction to Informatica Chapter 2: Informatica Architecture Tutorial Chapter 3: How to Download & Install Informatica PowerCenter Chapter 4: How to Configure Client and Repository in Informatica Chapter 5: Source Analyzer and Target Designer in Informatica Chapter 6: Mappings in Informatica: Create, Components, Parameter,

Variable Chapter 7: Workflow in Informatica: Create, Task, Parameter, Reusable, Manager Chapter 8: Workflow Monitor in Informatica: Task & Gantt Chart View Examples Chapter 9: Debugger in Informatica: Session, Breakpoint, Verbose Data & Mapping Chapter 10: Session Properties in Informatica Chapter 11: Introduction to Transformations in Informatica and Filter Transformation Chapter 12: Source Qualifier Transformation in Informatica with EXAMPLE Chapter 13: Aggregator Transformation in Informatica with Example Chapter 14: Router Transformation in Informatica with EXAMPLE Chapter 15: Joiner Transformation in Informatica with EXAMPLE Chapter 16: Rank Transformation in Informatica with EXAMPLE Chapter 17: Sequence Transformation in Informatica with EXAMPLE Chapter 18: Transaction Control Transformation in Informatica with EXAMPLE Chapter 19: Lookup Transformation in Informatica & Re-usable Transformation Example Chapter 20: Normalizer Transformation in Informatica with EXAMPLE Chapter 21: Performance Tuning in Informatica ***Download Today ~ Free to Read for Kindle Unlimited Subscribers!***

The Practitioner's Guide to Data Quality Improvement offers a comprehensive look at data quality for business and IT, encompassing people, process, and technology. It shares the fundamentals for understanding the impacts of poor data quality, and guides practitioners and managers alike in socializing, gaining sponsorship for, planning, and establishing a data quality program. It demonstrates how to institute and run a data quality program, from first thoughts and justifications to maintenance and ongoing metrics. It includes an in-depth look at the use of data quality tools, including business case templates, and tools for analysis, reporting, and strategic planning. This book is recommended for data management practitioners, including database analysts, information analysts, data administrators, data architects, enterprise architects, data warehouse engineers, and systems analysts, and their managers. Offers a comprehensive look at data quality for business and IT, encompassing people, process, and technology. Shows how to institute and run a data quality program, from first thoughts and justifications to maintenance and ongoing metrics. Includes an in-depth look at the use of data quality tools, including business case templates, and tools for analysis, reporting, and strategic planning.

Salesforce For Dummies

The Definitive Guide to Modernizing Applications on Google Cloud

Getting Started with Amazon Redshift

An Illustrated Beginner's Guide to Physical Computing

Learn Electronics with Arduino

Modern B-Tree Techniques

Cybercrime and Cloud Forensics: Applications for Investigation Processes

This timely textbook presents a comprehensive guide to the core topics in cybersecurity, covering issues of security that extend beyond traditional computer networks to the ubiquitous mobile communications and online social networks that have become part of our daily lives. In the context of our growing dependence on an ever-changing digital ecosystem, this book stresses the importance of security awareness, whether in our homes, our businesses, or our public spaces. This fully updated new edition features new material on the security issues raised by blockchain technology, and its use in logistics, digital ledgers, payments systems, and digital contracts. Topics and features: Explores the full range of security risks and vulnerabilities in all connected digital systems Inspires debate over future developments and improvements necessary to enhance the security of personal, public, and private enterprise systems Raises thought-provoking questions regarding legislative, legal, social, technical, and ethical challenges, such as the tension between privacy and security Describes the fundamentals of traditional computer network security, and common threats to security Reviews the current landscape of tools, algorithms, and professional best practices in use to maintain security of digital systems Discusses the security issues introduced by the latest generation of network technologies, including mobile systems, cloud computing, and blockchain Presents exercises of varying levels of difficulty at the end of each chapter, and concludes with a diverse selection of practical projects Offers supplementary material for students and instructors at an associated website, including slides, additional projects, and syllabus suggestions This important textbook/reference is an invaluable resource for students of computer science, engineering, and information management, as well as for practitioners working in data- and information-intensive industries.

This book analyzes the latest advances in privacy, security and risk technologies within cloud environments. With contributions from leading experts, the text presents both a solid overview of the field and novel, cutting-edge research. A Glossary is also included at the end of the book. Topics and features: considers the various forensic challenges for legal access to data in a cloud computing environment; discusses privacy impact assessments for the cloud, and examines the use of cloud audits to attenuate cloud security problems; reviews conceptual issues, basic requirements and practical suggestions for provisioning dynamically configured access control services in the cloud; proposes scoped invariants as a primitive for analyzing a cloud server for its integrity properties; investigates the applicability of existing controls for mitigating information security risks to cloud computing environments; describes risk management for cloud computing from an enterprise perspective.

PowerCenter - The Complete Reference is a one-stop guide for PowerCenter developers of all different levels: beginners, intermediate, advanced, expert an enterprise level. Step by step instructions with illustrations and about 100 screen shots guide you in learning every aspect of PowerCenter at your

own pace. Start from the beginning or directly jump to a chapter to learn a specific aspect such as Web Services or XML. Learn PowerCenter or advance your PowerCenter skills at your own pace. Every part and chapter is uniquely designed around an aspect of the technology so that readers can pickup any specific chapter and learn it

In a rapidly changing world, there is an ever-increasing need to monitor the Earth's resources and manage it sustainably for future generations. Earth observation from satellites is critical to provide information required for informed and timely decision making in this regard. Satellite-based earth observation has advanced rapidly over the last 50 years, and there is a plethora of satellite sensors imaging the Earth at finer spatial and spectral resolutions as well as high temporal resolutions. The amount of data available for any single location on the Earth is now at the petabyte-scale. An ever-increasing capacity and computing power is needed to handle such large datasets. The Google Earth Engine (GEE) is a cloud-based computing platform that was established by Google to support such data processing. This facility allows for the storage, processing and analysis of spatial data using centralized high-power computing resources, allowing scientists, researchers, hobbyists and anyone else interested in such fields to mine this data and understand the changes occurring on the Earth's surface. This book presents research that applies the Google Earth Engine in mining, storing, retrieving and processing spatial data for a variety of applications that include vegetation monitoring, cropland mapping, ecosystem assessment, and gross primary productivity, among others. Datasets used range from coarse spatial resolution data, such as MODIS, to medium resolution datasets (Worldview -2), and the studies cover the entire globe at varying spatial and temporal scales.

A History, a Theory, a Flood

Health Informatics on FHIR: How HL7's New API is Transforming Healthcare

Learn Informatica in 24 Hours

Proceedings of the 12th International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2021) Held During December 16-18, 2021

Guide to Computer Network Security

A Practical Guide to SAP Data Warehouse Cloud

Definitive Guide to Learn Informatica for Beginners

Learn how to implement a DSL with Xtext and Xtend using easy-to-understand examples and best practices About This Book Leverage the latest features of Xtext and Xtend to develop a domain-specific language. Integrate Xtext with popular third party IDEs and get the best out of both worlds. Discover how to test a DSL implementation and how to customize runtime and IDE aspects of the DSL Who This Book Is For This book is targeted at programmers and developers who want to create a domain-specific language with Xtext. They should have a basic familiarity with Eclipse and its functionality. Previous experience with compiler implementation can be helpful but is not necessary since this book will explain all the development stages of a DSL. What You Will Learn Write Xtext grammar for a DSL; Use Xtend as an alternative to Java to write cleaner, easier-to-read, and more maintainable code; Build your Xtext DSLs easily with Maven/Tycho and Gradle; Write a code generator and an interpreter for a DSL; Explore the Xtext scoping mechanism for symbol resolution; Test most aspects of the DSL implementation with JUnit; Understand best practices in DSL implementations with Xtext and Xtend; Develop your Xtext DSLs using Continuous Integration mechanisms; Use an Xtext editor in a web application In Detail Xtext is an open source Eclipse framework for implementing domain-specific languages together with IDE functionalities. It lets you implement languages really quickly; most of all, it covers all aspects of a complete language infrastructure, including the parser, code generator, interpreter, and more. This book will enable you to implement Domain Specific Languages (DSL) efficiently, together with their IDE tooling, with Xtext and Xtend. Opening with brief coverage of Xtext features involved in DSL implementation, including integration in an IDE, the book will then introduce you to Xtend as this language will be used in all the examples throughout the book. You will then explore the typical programming development workflow with Xtext when we modify the grammar of the DSL. Further, the Xtend programming language (a fully-featured Java-like language tightly integrated with Java) will be introduced. We then explain the main concepts of Xtext, such as validation, code generation, and customizations of runtime and UI aspects. You will have learned how to test a DSL implemented in Xtext with JUnit and will progress to advanced concepts such as type checking and scoping. You will then integrate the typical Continuous Integration systems built in to Xtext DSLs and familiarize yourself with Xbase. By the end of the book, you will manually maintain the EMF model for an Xtext DSL and will see how an Xtext DSL can also be used in IntelliJ. Style and approach A step-by step-tutorial with illustrative examples that will let you master using Xtext and implementing DSLs with its custom language, Xtend.

While cloud computing continues to transform developments in information technology services, these advancements have contributed to a rise in cyber attacks; producing an urgent need to extend the applications of investigation processes. Cybercrime and Cloud Forensics: Applications for Investigation Processes presents a collection of research and case studies of applications for investigation processes in cloud computing environments. This reference source brings together the perspectives of cloud customers, security architects, and law enforcement agencies in the developing area of cloud forensics.

The complete reference guide to the hot technology of cloud computing Its potential for lowering IT costs makes cloud computing a major force for both IT vendors and users; it is expected to gain momentum rapidly with the launch of Office Web Apps later this year. Because cloud computing involves various technologies, protocols, platforms, and infrastructure elements, this comprehensive reference is just what you need if you'll be using or implementing cloud computing. Cloud computing offers significant cost savings by eliminating upfront expenses for hardware and software; its growing popularity is expected to skyrocket when Microsoft introduces Office Web Apps This comprehensive guide helps define what cloud computing is and thoroughly explores the technologies, protocols, platforms and infrastructure that make it so desirable Covers mobile cloud computing, a significant area due to ever-increasing cell phone and smartphone use Focuses on the platforms and technologies essential to cloud computing Anyone involved with planning, implementing, using, or maintaining a cloud computing project will rely on the information in Cloud Computing Bible.

This is a practical step by step hand-on guide to learn and master Informatica. Informatica is widely used ETL tool and provided end to end data integration and management

solution. This book introduces Informatica in detail. It provides a detailed step by step installation tutorial of Informatica. It teaches various activities like data cleansing, data profiling, transforming and scheduling the workflows from source to target in simple steps, etc. Here is what you will learn - Chapter 1: Introduction to Informatica Chapter 2: Informatica Architecture Tutorial Chapter 3: How to Download & Install Informatica PowerCenter Chapter 4: How to Configure Client and Repository in Informatica Chapter 5: Source Analyzer and Target Designer in Informatica Chapter 6: Mappings in Informatica: Create, Components, Parameter, Variable Chapter 7: Workflow in Informatica: Create, Task, Parameter, Reusable, Manager Chapter 8: Workflow Monitor in Informatica: Task & Gantt Chart View Examples Chapter 9: Debugger in Informatica: Session, Breakpoint, Verbose Data & Mapping Chapter 10: Session Properties in Informatica Chapter 11: Introduction to Transformations in Informatica and Filter Transformation Chapter 12: Source Qualifier Transformation in Informatica with EXAMPLE Chapter 13: Aggregator Transformation in Informatica with Example Chapter 14: Router Transformation in Informatica with EXAMPLE Chapter 15: Joiner Transformation in Informatica with EXAMPLE Chapter 16: Rank Transformation in Informatica with EXAMPLE Chapter 17: Sequence Transformation in Informatica with EXAMPLE Chapter 18: Transaction Control Transformation in Informatica with EXAMPLE Chapter 19: Lookup Transformation in Informatica & Re-usable Transformation Example Chapter 20: Normalizer Transformation in Informatica with EXAMPLE Chapter 21: Performance Tuning in Informatica ★★★Download Today ~ Free to Read for Kindle Unlimited Subscribers!★★★

Google Earth Engine Applications

Capitalist Nigger

Cloud Computing Bible

Learning Informatica PowerCenter 9.x

Data Warehousing, Analytics, and Machine Learning at Scale

Building a Salesforce-Powered Front Office

Concepts, Methodologies, Tools, and Applications

This book constitutes the proceedings of the 6th International Conference on Cloud Computing, CloudComp 2015, held in Daejeon, South Korea, in October 2015. The 36 revised full papers were carefully reviewed and selected from 89 submissions and cover topics such as virtualization and management on cloud; resource management, models and performance; mobile cloud and media services; pervasive cloud applications, services and testbeds; cloud-enabling techniques and devices.

Big Data: A Tutorial-Based Approach explores the tools and techniques used to bring about the marriage of structured and unstructured data. It focuses on Hadoop Distributed Storage and MapReduce Processing by implementing (i) Tools and Techniques of Hadoop Eco System, (ii) Hadoop Distributed File System Infrastructure, and (iii) efficient MapReduce processing. The book includes Use Cases and Tutorials to provide an integrated approach that answers the 'What', 'How', and 'Why' of Big Data. Features Identifies the primary drivers of Big Data Walks readers through the theory, methods and technology of Big Data Explains how to handle the 4 V's of Big Data in order to extract value for better business decision making Shows how and why data connectors are critical and necessary for Agile text analytics Includes in-depth tutorials to perform necessary set-ups, installation, configuration and execution of important tasks Explains the command line as well as GUI interface to a powerful data exchange tool between Hadoop and legacy r-dbms databases

This book highlights recent research on bio-inspired computing and its various innovative applications in information and communication technologies. It presents 80 high-quality papers from the 12th International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2021) and 11th World Congress on Information and Communication Technologies (WICT 2021), which was held online during December 16–18, 2021. As a premier conference, IBICA–WICT brings together researchers, engineers and practitioners whose work involves bio-inspired computing, computational intelligence and their applications in information security, real-world contexts, etc. Including contributions by authors from 25 countries, the book offers a valuable reference guide for all researchers, students and practitioners in the fields of Computer Science and Engineering.

Getting Started With Amazon Redshift is a step-by-step, practical guide to the world of Redshift. Learn to load, manage, and query data on Redshift. This book is for CIOs, enterprise architects, developers, and anyone else who needs to get familiar with RedShift. The CIO will gain an understanding of what their technical staff is working on; the technical implementation personnel will get an in-depth view of the technology, and what it will take to implement their own solutions.

Computer Forensics InfoSec Pro Guide

A Quick-Start Guide

The Definitive Guide: People, Processes, and Tools to Operationalize Data Trustworthiness

Informatica e diritto

Managing Data in Motion

Handbook of Research on Security Considerations in Cloud Computing

The One-Stop Guide for All Informatica Developers: The Complete Reference

Implementing Digital Forensic Readiness: From Reactive to Proactive Process shows information security and digital forensic professionals how to increase operational efficiencies by implementing a pro-active approach to digital forensics throughout their organization. It demonstrates how digital forensics aligns strategically within an organization's business operations and information security's program. This book illustrates how the proper collection, preservation, and presentation of digital evidence is essential for reducing potential business impact as a result of digital crimes, disputes, and incidents. It also explains how every stage in the digital evidence lifecycle impacts the integrity of data, and how to properly manage digital evidence throughout the entire investigation. Using a digital forensic readiness approach and preparedness as a business goal, the administrative, technical, and physical elements included throughout this book will

enhance the relevance and credibility of digital evidence. Learn how to document the available systems and logs as potential digital evidence sources, how gap analysis can be used where digital evidence is not sufficient, and the importance of monitoring data sources in a timely manner. This book offers standard operating procedures to document how an evidence-based presentation should be made, featuring legal resources for reviewing digital evidence. Explores the training needed to ensure competent performance of the handling, collecting, and preservation of digital evidence Discusses the importance of how long term data storage must take into consideration confidentiality, integrity, and availability of digital evidence Emphasizes how incidents identified through proactive monitoring can be reviewed in terms of business risk Includes learning aids such as chapter introductions, objectives, summaries, and definitions

The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries.

Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. Big Data: Concepts, Methodologies, Tools, and Applications is a multi-volume compendium of research-based perspectives and solutions within the realm of large-scale and complex data sets. Taking a multidisciplinary approach, this publication presents exhaustive coverage of crucial topics in the field of big data including diverse applications, storage solutions, analysis techniques, and methods for searching and transferring large data sets, in addition to security issues. Emphasizing essential research in the field of data science, this publication is an ideal reference source for data analysts, IT professionals, researchers, and academics.

Master the art of implementing scalable microservices in your production environment with ease About This Book Use domain-driven design to build microservices Use Spring Cloud to use Service Discovery and Registration Use Kafka, Avro and Spring Streams for implementing event based microservices Who This Book Is For This book is for Java developers who are familiar with the microservices architecture and now wants to take a deeper dive into effectively implementing microservices at an enterprise level. A reasonable knowledge level and understanding of core microservice elements and applications is expected. What You Will Learn Use domain-driven design to design and implement microservices Secure microservices using Spring Security Learn to develop REST service development Deploy and test microservices Troubleshoot and debug the issues faced during development Learning best practices and common principals about microservices In Detail Microservices are the next big thing in designing scalable, easy-to-maintain applications. It not only makes app development easier, but also offers great flexibility to utilize various resources optimally. If you want to build an enterprise-ready implementation of the microservices architecture, then this is the book for you! Starting off by understanding the core concepts and framework, you will then focus on the high-level design of large software projects. You will gradually move on to setting up the development environment and configuring it before implementing continuous integration to deploy your microservice architecture. Using Spring security, you will secure microservices and test them effectively using REST Java clients and other tools like RxJava 2.0. We'll show you the best patterns, practices and common principals of microservice design and you'll learn to troubleshoot and debug the issues faced during development. We'll show you how to design and implement reactive microservices. Finally, we'll show you how to migrate a monolithic application to microservices based application. By the end of the book, you will know how to build smaller, lighter, and faster services that can be implemented easily in a production environment. Style and approach This book starts from the basics, including environment setup and provides easy-to-follow steps to implement the sample project using microservices.

Invented about 40 years ago and called ubiquitous less than 10 years later, B-tree indexes have been used in a wide variety of computing systems from handheld devices to mainframes and server farms. Over the years, many techniques have been added to the basic design in order to improve efficiency or to add functionality. Examples include separation of updates to structure or contents, utility operations such as non-logged yet transactional index creation, and robust query processing such as graceful degradation during index-to-index navigation. Modern B-Tree Techniques reviews the basics of B-trees and of B-tree indexes in databases, transactional techniques and query processing techniques related to B-trees, B-tree utilities essential for database operations, and many optimizations and improvements. It is intended both as a tutorial and as a reference, enabling researchers to compare index innovations with advanced B-tree techniques and enabling professionals to select features, functions, and tradeoffs most appropriate for their data management challenges.

Privacy and Security for Cloud Computing

Learn Informatica in 1 Day

From Reactive to Proactive Process

Innovations in Bio-Inspired Computing and Applications

Getting Started with Talend Open Studio for Data Integration

The Road To Success – A Spider Web Doctrine

Implementing Domain-Specific Languages with Xtext and Xtend

Get to grips with the tools, services, and functions needed for application migration to help you move from legacy applications to cloud-native on Google Cloud Key FeaturesDiscover how a sample legacy application can be transformed into a cloud-native application on Google CloudLearn where to start and how to apply application modernization techniques and toolingWork with real-world use cases and instructions to modernize an application on Google CloudBook Description Legacy applications, which comprise 75–80% of all enterprise applications, often end up being stuck in data centers. Modernizing these applications to make them cloud-native enables them to scale in a cloud environment without taking months or years to start seeing the benefits. This book will help software developers and solutions architects to modernize their applications on Google Cloud and transform them into cloud-native applications. This book helps you to build on your existing knowledge of enterprise application development and takes you on a journey through the six Rs: rehosting, replatforming, rearchitecting, repurchasing, retiring, and retaining. You'll learn how to modernize a legacy enterprise application on Google Cloud and build on existing assets and skills effectively. Taking an iterative and incremental approach to

modernization, the book introduces the main services in Google Cloud in an easy-to-understand way that can be applied immediately to an application. By the end of this Google Cloud book, you'll have learned how to modernize a legacy enterprise application by exploring various interim architectures and tooling to develop a cloud-native microservices-based application. What you will learn Discover the principles and best practices for building cloud-native applications Study the six Rs of migration strategy and learn when to choose which strategy Rehost a legacy enterprise application on Google Compute Engine Replatform an application to use Google Load Balancer and Google Cloud SQL Refactor into a single-page application (SPA) supported by REST services Replatform an application to use Google Identity Platform and Firebase Authentication Refactor to microservices using the strangler pattern Automate the deployment process using a CI/CD pipeline with Google Cloud Build Who this book is for This book is for software developers and solutions architects looking to gain experience in modernizing their enterprise applications to run on Google Cloud and transform them into cloud-native applications. Basic knowledge of Java and Spring Boot is necessary. Prior knowledge of Google Cloud is useful but not mandatory.

How do you start? How should you build a plan for cloud migration for your entire portfolio? How will your organization be affected by these changes? This book, based on real-world cloud experiences by enterprise IT teams, seeks to provide the answers to these questions. Here, you'll see what makes the cloud so compelling to enterprises; with which applications you should start your cloud journey; how your organization will change, and how skill sets will evolve; how to measure progress; how to think about security, compliance, and business buy-in; and how to exploit the ever-growing feature set that the cloud offers to gain strategic and competitive advantage.

Learn about the advantages of SAP Data Warehouse Cloud (DWC): from data management all the way through to visualization, this book covers all the tools you need to set up a modern, cloud-based data warehouse landscape. You can even set up hybrid architectures or convert on-premise SAP BW systems to the SAP BW Bridge. Operating departments will learn how they can use virtual work areas (spaces) to enrich central corporate data with local data without having to copy data or download files. New findings can be easily shared with others. For IT employees in particular, there is an extensive introduction to modeling and the Data Builder. With the editors and functionalities of this tool, you get to know the technical implementation of data modeling in more detail. In addition, the Business Builder offers professional users a simplified analysis of data by reducing the time required for semantic modeling and enrichment of data. After discussing important aspects of the configuration and security of SAP Data Warehouse Cloud, the author looks at the developments that can be expected for this highly dynamic topic in the future. - Basic principles of SAP Data Warehouse Cloud - Virtual interaction between operating departments and IT via spaces - Separation of semantic modeling and the data layer - SAP BW Bridge and Hybrid landscapes

As your company moves data to the cloud, you need to consider a comprehensive approach to data governance, along with well-defined and agreed-upon policies to ensure you meet compliance. Data governance incorporates the ways that people, processes, and technology work together to support business efficiency. With this practical guide, chief information, data, and security officers will learn how to effectively implement and scale data governance throughout their organizations. You'll explore how to create a strategy and tooling to support the democratization of data and governance principles. Through good data governance, you can inspire customer trust, enable your organization to extract more value from data, and generate more-competitive offerings and improvements in customer experience. This book shows you how. Enable auditable legal and regulatory compliance with defined and agreed-upon data policies Employ better risk management Establish control and maintain visibility into your company's data assets, providing a competitive advantage Drive top-line revenue and cost savings when developing new products and services Implement your organization's people, processes, and tools to operationalize data trustworthiness

Cloud Computing

Informatica Power Center

Data Governance

Volume 2

Developments in Information & Knowledge Management for Business Applications

Learning Informatica PowerCenter 10. X - Second Edition

The Information

Harness the power and simplicity of Informatica PowerCenter 10.x to build and manage efficient data management solutions About This Book Master PowerCenter 10.x components to create, execute, monitor, and schedule ETL processes with a practical approach.* An ideal guide to building the necessary skills and competencies to become an expert Informatica PowerCenter developer.* A comprehensive guide to fetching/transforming and loading huge volumes of data in a very effective way, with reduced resource consumption Who This Book Is For If you wish to deploy Informatica in enterprise environments and build a career in data warehousing, then this book is for you. Whether you are a software developer/analytic professional and are new to Informatica or an experienced user, you will learn all the features of Informatica 10.x. A basic knowledge of programming and data warehouse concepts is essential. What You Will Learn* Install or upgrade the components of the Informatica PowerCenter tool* Work on various aspects of administrative skills and on the various developer Informatica PowerCenter screens such as Designer, Workflow Manager, Workflow Monitor, and Repository Manager.* Get practical hands-on experience of various sections of Informatica PowerCenter, such as navigator, toolbar, workspace, control panel, and so on* Leverage basic and advanced utilities, such as the debugger, target load plan, and incremental aggregation to process data* Implement data warehousing concepts such as schemas and SCDs using Informatica* Migrate various components, such as sources and targets, to another region using the Designer and Repository Manager screens* Enhance code performance using tips such as pushdown optimization and partitioning In Detail Informatica PowerCenter is an industry-leading ETL tool, known for its accelerated data extraction, transformation, and data management strategies. This book will be your quick guide to exploring Informatica PowerCenter's powerful features such as working on sources, targets, transformations, performance*

optimization, scheduling, deploying for processing, and managing your data at speed. First, you'll learn how to install and configure tools. You will learn to implement various data warehouse and ETL concepts, and use PowerCenter 10.x components to build mappings, tasks, workflows, and so on. You will come across features such as transformations, SCD, XML processing, partitioning, constraint-based loading, Incremental aggregation, and many more. Moreover, you'll also learn to deliver powerful visualizations for data profiling using the advanced monitoring dashboard functionality offered by the new version. Using data transformation technique, performance tuning, and the many new advanced features, this book will help you understand and process data for training or production purposes. The step-by-step approach and adoption of real-time scenarios will guide you through effectively accessing all core functionalities offered by Informatica PowerCenter version 10.x. Style and approach You'll get hand-on with sources, targets, transformations, performance optimization, scheduling, deploying for processing, and managing your data, and learn everything you need to become a proficient Informatica PowerCenter developer.

Managing Data in Motion describes techniques that have been developed for significantly reducing the complexity of managing system interfaces and enabling scalable architectures. Author April Reeve brings over two decades of experience to present a vendor-neutral approach to moving data between computing environments and systems. Readers will learn the techniques, technologies, and best practices for managing the passage of data between computer systems and integrating disparate data together in an enterprise environment. The average enterprise's computing environment is comprised of hundreds to thousands computer systems that have been built, purchased, and acquired over time. The data from these various systems needs to be integrated for reporting and analysis, shared for business transaction processing, and converted from one format to another when old systems are replaced and new systems are acquired. The management of the "data in motion" in organizations is rapidly becoming one of the biggest concerns for business and IT management. Data warehousing and conversion, real-time data integration, and cloud and "big data" applications are just a few of the challenges facing organizations and businesses today. *Managing Data in Motion* tackles these and other topics in a style easily understood by business and IT managers as well as programmers and architects. Presents a vendor-neutral overview of the different technologies and techniques for moving data between computer systems including the emerging solutions for unstructured as well as structured data types Explains, in non-technical terms, the architecture and components required to perform data integration Describes how to reduce the complexity of managing system interfaces and enable a scalable data architecture that can handle the dimensions of "Big Data"

This textbook begins with an introduction to the US healthcare delivery system, its many systemic challenges and the prior efforts to develop and deploy informatics tools to help overcome those problems. It goes on to discuss health informatics from an historical perspective, its current state and its likely future state now that electronic health record systems are widely deployed, the HL7 Fast Healthcare Interoperability standard is being rapidly accepted as the means to access the data stored in those systems and analytics is increasing being used to gain new knowledge from that aggregated clinical data. It then turns to some of the important and evolving areas of informatics including population and public health, mHealth and big data and analytics. Use cases and case studies are used in all of these discussions to help readers connect the technologies to real world challenges. Effective use of informatics systems and tools by providers and their patients is key to improving the quality, safety and cost of healthcare. With health records now digital, no effective means has existed for sharing them with patients, among the multiple providers who may care for them and for important secondary uses such as public/population health and research. This problem is a topic of congressional discussion and is addressed by the 21st Century Cures Act of 2016 that mandates that electronic health record (EHR) systems offer a patient-facing API. HL7's Fast Healthcare Interoperability Resources (FHIR) is that API and this is the first comprehensive treatment of the technology and the many ways it is already being used. FHIR is based on web technologies and is thus a far more facile, easy to implement approach that is rapidly gaining acceptance. It is also the basis for a 'universal health app platform' that literally has the potential to foster innovation around the data in patient records similar to the app ecosystems smartphones created around the data they store. FHIR app stores have already been opened by Epic and Cerner, the two largest enterprise EHR vendors. Provider facing apps are already being explored to improve EHR usability and support personalized medicine. Medicare and the Veteran's Administration have announced FHIR app platforms for their patients. Apple's new IOS 11.3 features the ability for consumers to aggregate their health records on their iPhone using FHIR. Health insurance companies are exploring applications of FHIR to improve service and communication with their providers and patients. SureScripts, the national e-Prescribing network, is using FHIR to help doctors know if their patients are complying with prescriptions. This textbook is for introductory health informatics courses for computer science and health sciences students (e.g. doctors, nurses, PhDs), the current health informatics community, IT professionals interested in learning about the field and practicing healthcare providers. Though this textbook covers an important new technology, it is accessible to non-technical readers including healthcare providers, their patients or anyone interested in the use of healthcare data for improved care,

public/population health or research.

Capitalist Nigger is an explosive and jarring indictment of the black race. The book asserts that the Negroid race, as naturally endowed as any other, is culpably a non-productive race, a consumer race that depends on other communities for its culture, its language, its feeding and its clothing. Despite enormous natural resources, blacks are economic slaves because they lack the 'devil-may-care' attitude and the 'killer instinct' of the Caucasian, as well as the spider web mentality of the Asian. A Capitalist Nigger must embody ruthlessness in pursuit of excellence in his drive towards achieving the goal of becoming an economic warrior. In putting forward the idea of the Capitalist Nigger, Chika Onyeani charts a road to success whereby black economic warriors employ the 'Spider Web Doctrine' – discipline, self-reliance, ruthlessness – to escape from their victim mentality. Born in Nigeria, Chika Onyeani is a journalist, editor and former diplomat.

Learning Informatica PowerCenter 10.x

Implementing Digital Forensic Readiness

A Tutorial-Based Approach

Google BigQuery: The Definitive Guide

BIRT

If you wish to deploy Informatica in enterprise environments and make a career in data warehousing, then this book is for you. Whether you are a developer who's new to Informatica or an experienced professional, you will learn all the features of Informatica. Basic knowledge of programming and data warehouse concepts is essential.

From the bestselling author of the acclaimed Chaos and Genius comes a thoughtful and provocative exploration of the big ideas of the modern era: information, communication, and information theory. Acclaimed science writer James Gleick presents an eye-opening vision of how our relationship to information has transformed the very nature of human consciousness. A fascinating intellectual journey through the history of communication and information, from the language of Africa's talking drums to the invention of written alphabets; from the electronic transmission of code to the origins of information theory, into the new information age and the current deluge of news, tweets, images, and blogs. Along the way, Gleick profiles key innovators, including Charles Babbage, Ada Lovelace, Samuel Morse, and Claude Shannon, and reveals how our understanding of information is transforming not only how we look at the world, but how we live. A New York Times Notable Book A Los Angeles Times and Cleveland Plain Dealer Best Book of the Year Winner of the PEN/E. O. Wilson Literary Science Writing Award

This book is your introduction to physical computing with the Arduino microcontroller platform. No prior experience is required, not even an understanding of basic electronics. With color illustrations, easy-to-follow explanations, and step-by-step instructions, the book takes the beginner from building simple circuits on a breadboard to setting up the Arduino IDE and downloading and writing sketches to run on the Arduino. Readers will be introduced to basic electronics theory and programming concepts, as well as to digital and analog inputs and outputs. Throughout the book, debugging practices are highlighted, so novices will know what to do if their circuits or their code doesn't work for the current project and those that they embark on later for themselves. After completing the projects in this book, readers will have a firm basis for building their own projects with the Arduino. Written for absolute beginners with no prior knowledge of electronics or programming Filled with detailed full-color illustrations that make concepts and procedures easy to follow An accessible introduction to microcontrollers and physical computing Step-by-step instructions for projects that teach fundamental skills Includes a variety of Arduino-based projects using digital and analog input and output

Work with petabyte-scale datasets while building a collaborative, agile workplace in the process. This practical book is the canonical reference to Google BigQuery, the query engine that lets you conduct interactive analysis of large datasets. BigQuery enables enterprises to efficiently store, query, ingest, and learn from their data in a convenient framework. With this book, you'll examine how to analyze data at scale to derive insights from large datasets efficiently. Valliappa Lakshmanan, tech lead for Google Cloud Platform, and Jordan Tigani, engineering director for the BigQuery team, provide best practices for modern data warehousing within an autoscaled, serverless public cloud. Whether you want to explore parts of BigQuery you're not familiar with or prefer to focus on specific tasks, this reference is indispensable.