

## Quick Start Guide To Oracle Fusion Development Oracle Jdeveloper And Oracle Adf Oracle Press

"This book covers both theoretical approaches and practical solutions in the processes for aligning enterprise, systems, and software architectures"--Provided by publisher.

Demystifying the power of the Oracle 12c database The Oracle database is the industry-leading relational database management system (RDMS) used from small companies to the world's largest enterprises alike for their most critical business and analytical processing. Oracle 12c includes industry leading enhancements to enable cloud computing and empowers users to manage both Big Data and traditional data structures faster and cheaper than ever before. Oracle 12c For Dummies is the perfect guide for a novice database administrator or an Oracle DBA who is new to Oracle 12c. The book covers what you need to know about Oracle 12c architecture, software tools, and how to successfully manage Oracle databases in the real world. Highlights the important features of Oracle 12c Explains how to create, populate, protect, tune, and troubleshoot a new Oracle database Covers advanced Oracle 12c technologies including Oracle Multitenant—the "pluggable database" concept—as well as several other key changes in this release Make the most of Oracle 12c's improved efficiency, stronger security, and simplified management capabilities with Oracle 12c For Dummies.

A concise walk-through of CentOS 7, starting from installation to securing it's environment. Key Features No previous Linux environment experience needed for reading this book Get comfortable with a popular and stable Red Hat Enterprise Linux distribution Most of the command line based concepts are explained with graphics Book Description Linux kernel development has been the worlds largest collaborative project to date. With this practical guide, you will learn Linux through one of its most popular and stable distributions. This book will introduce you to essential Linux skills using CentOS 7. It describes how a Linux system is organized, and will introduce you to key command-line concepts you can practice on your own. It will guide you in performing basic system administration tasks and day-to-day operations in a Linux environment. You will learn core system administration skills for managing a system running CentOS 7 or a similar operating system, such as RHEL 7, Scientific Linux, and Oracle Linux. You will be able to perform installation, establish network connectivity and user and process management, modify file permissions, manage text files using the command line, and implement basic security administration after covering this book. By the end of this book, you will have a solid understanding of working with Linux using the command line. What you will learn Understand file system hierarchy and essential command-line skills Use Vi editor, I/O redirections and how to work with common text manipulating tools Create, delete, modify user accounts and manage passwords and their aging policy Manage file ownership, permissions, and ACL Execute process management and monitoring on the command line Validate and manage network configuration using nmcli Manage remote logins using SSH and file transfer using SCP and Rsync Understand system logging, how to control system services with systemd and systemctl, and manage firewalld Who this book is for Any individual who wants to learn how to use Linux as server or desktop in his environment. Whether you are a developer, budding system administrator, or tech lover with no previous Linux administration background, you will be able to start your journey in Linux using CentOS 7 with this book.

Even if you've never used MySQL before, this Visual QuickStart Guide will have you up and running with the world's most popular open source database application in no time. In this completely updated edition of our best-selling guide to MySQL, leading technology author Larry Ullman uses his trademark crystal-clear instructions and friendly prose to introduce you to everything that's new in MySQL. Filled with step-by-step, task-based instructions and loads of visual aids, this book explains how to interact with MySQL using SQL, the language common to all databases. The interface examples show how to use MySQL's own tools and how to use three popular programming languages (PHP, Perl, and Java). The book covers MySQL versions 3 and 4, as well as everything new in the eagerly anticipated version 5. Along the way, you'll find extensive coverage of MySQL installation, administration, database design, as well as its use with various programming languages, database programming techniques, utilities, advanced MySQL and SQL, and more! • Takes an easy, visual approach to teaching MySQL, using pictures to guide you through the software and show you what to do. • Works like a reference book—you look up what you need and then get straight to work. • No long-winded passages—concise, straightforward commentary explains what you need to know. • Affordably priced, because buying a computer book shouldn't be an investment in itself. • Companion Web site at [www.DMCInsights.com/mysql2](http://www.DMCInsights.com/mysql2) contains complete source code for examples in the book, online resources, extra scripts and tutorials, updates, a reader forum, and more.

Microsoft Power BI is a cloud-based service that helps you easily visualize and share insights from your organization's data. This book will get you started with Business Intelligence using the Power BI tool, covering essential concepts like installation, building basic dashboards and visualizations to make your data come to life.

This book explains relational theory in practice, and demonstrates through two projects how you can apply it to your use of MariaDB and SQL Server databases. This book covers the important requirements of teaching databases with a practical and progressive perspective. This book offers the straightforward, practical answers you need to help you do your job. This hands-on tutorial/reference/guide to MariaDB and SQL Server is not only perfect for students and beginners, but it also works for experienced developers who aren't getting the most from MariaDB and SQL Server. As you would expect, this book shows how to build from scratch two different databases: MariaDB and SQL Server using Java. In designing a GUI and as an IDE, you will make use of the NetBeans tool. In chapter one, you will learn the basics of cryptography using Java. Here, you will learn how to write a Java program to count Hash, MAC (Message Authentication Code), store keys in a KeyStore, generate PrivateKey and PublicKey, encrypt / decrypt data, and generate and verify digital prints. You will also learn how to create and store salt passwords and verify them. In chapter two, you will create a PostgreSQL database, named Bank, and its tables. In chapter three, you will create a Login table. In this case, you will see how to create a Java GUI using NetBeans to implement it. In addition to the Login table, in this chapter you will also create a Client table. In the case of the Client table, you will learn how to generate and save public and private keys into a database. You will also learn how to encrypt / decrypt data and save the results into a database. In chapter four, you will create an Account table. This account table has the following ten fields: account\_id (primary key), client\_id (primarykey), account\_number, account\_date, account\_type, plain\_balance, cipher\_balance, decipher\_balance, digital\_signature, and signature\_verification. In this case, you will learn how to implement generating and verifying digital prints and storing the results into a database. In chapter five, you create a table named Client\_Data, which has seven columns: client\_data\_id (primary key), account\_id (primary\_key), birth\_date, address, mother\_name, telephone, and

photo\_path. In chapter six, you will be taught how to create a SQL Server database, named Crime, and its tables. In chapter seven, you will be taught how to extract image features, utilizing BufferedImage class, in Java GUI. In chapter eight, you will be taught to create Java GUI to view, edit, insert, and delete Suspect table data. This table has eleven columns: suspect\_id (primary key), suspect\_name, birth\_date, case\_date, report\_date, suspect\_status, arrest\_date, mother\_name, address, telephone, and photo. In chapter nine, you will be taught to create Java GUI to view, edit, insert, and delete Feature\_Extraction table data. This table has eight columns: feature\_id (primary key), suspect\_id (foreign key), feature1, feature2, feature3, feature4, feature5, and feature6. In chapter ten, you will add two tables: Police\_Station and Investigator. These two tables will later be joined to Suspect table through another table, File\_Case, which will be built in the seventh chapter. The Police\_Station has six columns: police\_station\_id (primary key), location, city, province, telephone, and photo. The Investigator has eight columns: investigator\_id (primary key), investigator\_name, rank, birth\_date, gender, address, telephone, and photo. Here, you will design a Java GUI to display, edit, fill, and delete data in both tables. In chapter eleven, you will add two tables: Victim and File\_Case. The File\_Case table will connect four other tables: Suspect, Police\_Station, Investigator and Victim. The Victim table has nine columns: victim\_id (primary key), victim\_name, crime\_type, birth\_date, crime\_date, gender, address, telephone, and photo. The File\_Case has seven columns: file\_case\_id (primary key), suspect\_id (foreign key), police\_station\_id (foreign key), investigator\_id (foreign key), victim\_id (foreign key), status, and description. Here, you will also design a Java GUI to display, edit, fill, and delete data in both tables. Finally, this book is hopefully useful and can improve database programming skills for every Java/MariaDB/SQL Server programmer.

Interdisciplinary Advances in Adaptive and Intelligent Assistant Systems: Concepts, Techniques, Applications, and Use encourages knowledge on effective and efficient approaches to accessing information spaces. It fosters an emerging key competence: accessing and processing large, highly complex corpora of information by applying collaborative, intelligent technical systems. It is the mission of this book to trigger interdisciplinary research and cooperation at the intersection between information sciences, information technologies and communication sciences. This publication also raises awareness of the field's importance in business and management communities, thus contributing to the dissemination of scientific ideas and insights. IBM® i2® Integrated Law Enforcement is an IBM Smarter Cities® solution that addresses the needs of modern-day law enforcement agencies. It is a solution framework that provides the individual capabilities of the products that comprise the solution and extended capabilities developed through the synergistic integration of those product components. As a framework, IBM i2 Integrated Law Enforcement allows for the continuous expansion of capabilities by putting together building blocks within the system and integrating with new, external systems. In doing so, an organization can respond and adapt to its changing needs. Simply stated, the configuration, integration, and implementation of IBM i2 Integrated Law Enforcement and its components provide the tools for more effective law enforcement. This IBM Redpaper™ publication explains the technology and the architecture on which the solution is built. Most importantly, this paper enables technical teams to install, configure, and deploy an instance of the i2 Integrated Law Enforcement solution using the product i2 Intelligent Law Enforcement V1.0.1. This paper is targeted to solution architects, system and deployment engineers, security specialists, data management experts, system analysts, software developers and test engineers, and system administrators. Readers of this paper will benefit from the IBM Redguide™ publication "Integrated Law Enforcement: A Holistic Approach to Solving Crime", REDP-5116.

The experts at OnCallDBA and Solution Beacon collaborated to provide in depth coverage about Oracle Applications Release 11i. Topics include 11i Concepts and Architecture, 11i New Administration Features, 11i Installation, Upgrading or Migrating to 11i, Maintaining 11i, Administering 11i, Setting Up the Concurrent Manager, Using the Concurrent Manager, Workflow Setup, Using Workflow Builder, Workflow Care and Feeding, and Tuning & Troubleshooting. Co-authored by Barb Matthews, John Stouffer, Karen Brownfield and Randy Giefer, this book is intended for E-Business Suite releases 11.5.8 and earlier. Users of 11.5.9 and higher may find the concepts useful, but the actual procedures and forms have changed significantly and do not match those depicted in the book. List price \$69.99, Lulu Price \$62.99

Get writing tests and learn to design your own testing framework with Selenium WebDriver API Key Features Learn Selenium from the ground up Design your own testing framework Create reusable functionality in your framework Book Description Selenium WebDriver is a platform-independent API for automating the testing of both browser and mobile applications. It is also a core technology in many other browser automation tools, APIs, and frameworks. This book will guide you through the WebDriver APIs that are used in automation tests. Chapter by chapter, we will construct the building blocks of a page object model framework as you learn about the required Java and Selenium methods and terminology. The book starts with an introduction to the same-origin policy, cross-site scripting dangers, and the Document Object Model (DOM). Moving ahead, we'll learn about XPath, which allows us to select items on a page, and how to design a customized XPath. After that, we will be creating singleton patterns and drivers. Then you will learn about synchronization and handling pop-up windows. You will see how to create a factory for browsers and understand command design patterns applicable to this area. At the end of the book, we tie all this together by creating a framework and implementing multi-browser testing with Selenium Grid. What you will learn Understand what an XPath is and how to design a customized XPath Learn how to create a Maven project and build Create a Singleton driver Get to grips with Jenkins integration Create a factory for browsers Implement multi-browser testing with Selenium Grid Create a sample pop-up window and JavaScript alert Report using Extent Reports Who this book is for This book is for software testers or developers.

A Quick Start Guide To Junk Oracle Divination

Evaluate MicroStrategy as a departmental solution. This book provides detailed information to download, install, configure, and use the MicroStrategy Reporting Suite.

Develop and deploy interactive client applications in no time with help from this practical tutorial from Oracle Press. With a focus on working in NetBeans IDE; this guide explains how to use JavaFX layouts; draw shapes; use coloring and gradient tools; load images; apply effects and transformations; include animation; and embed media. --

As an Oracle database administrator (DBA), you are responsible for the performance of your Oracle database. Tuning a database to reach a desirable performance level may be a daunting task, especially for DBAs who are new to Oracle Database. Oracle Database Quick Performance Tuning Study Guide is a quick start guide that teaches you how to perform day-to-day database performance tuning tasks using features provided by the Oracle Diagnostics Pack, Oracle Tuning Pack, and Oracle Enterprise Manager.

Get started with JavaFX Develop and deploy interactive client applications in no time with help from this practical tutorial from Oracle Press. With a focus on working in NetBeans

IDE, Quick Start Guide to JavaFX explains how to use JavaFX layouts, draw shapes, use coloring and gradient tools, load images, apply effects and transformations, include animation, and embed media. You'll also get details on using JavaFX events, subclassing existing nodes, creating custom nodes, working with WebView, and styling your applications with CSS. Designed for easy learning, the book features: Key Skills & Concepts -- Chapter-opening lists of specific skills covered in the chapter Ask the Expert -- Q&A sections filled with bonus information and helpful tips Try This -- Hands-on exercises that show you how to apply your skills Notes -- Extra information related to the topic being covered Tips -- Helpful reminders or alternate ways of doing things Cautions -- Errors and pitfalls to avoid Annotated Syntax -- Example code with commentary that describes the programming techniques being illustrated Self-tests -- Chapter-ending quizzes to reinforce your skills

This quick reference provides step-by-step instructions on setting up Oracle9i RAC to run on a Tru64 UNIX cluster. Configuration information is included from start to finish. Command summary guides are built into each chapter for quick information retrieval. Examples and concise instructions assist in the complete installation of Tru64 UNIX 5.1A and Oracle9i. Designed as an introduction to Tru64 UNIX and Oracle9i RAC, Tru64 UNIX-Oracle9i Cluster Quick Reference will give intermediate and advanced administrators an invaluable resource for quickly locating vital information. Until now, setting up a Tru64 UNIX cluster running Oracle9i would involve referencing information from an entire shelf of books. Organizing this information into one source, Tru64 UNIX-Oracle9i Cluster Quick Reference simplifies the task of installation and makes a quick start possible with clear instructions and graphic illustrations. Command summary guides in each chapter serve as keys for fast information retrieval. Knowledge from over thirty references is distilled into this single book, seamlessly linking subject to subject for greatly simplified, quick installations. - Hardware Configuration Tips - StorageWorks HSG80 Setup Steps - UNIX Installation and Cluster Configuration - LSM/AdvFS Examples - Oracle9i RAC Installation, Database Configuration - Performance Tuning Tools, Backup, and Recovery Get Started with Oracle Fusion Development Written by a Group Product Manager at Oracle, this Oracle Press guide gets you up and running quickly with your first Oracle Fusion applications. Quick Start Guide to Oracle Fusion Development provides only the essential information you need to build applications in a matter of hours. Rapidly learn the building blocks and functionality you'll use most of the time. The progression of topics closely matches the application building process, taking you through a typical developer scenario from start to completion. Quick Start Guide to Oracle Fusion Development features Concise and friendly format providing the essentials needed to start building applications right away Chapters that build on each other to illustrate a typical development scenario from start to finish Unique author insights gained from hours of one-on-one meetings with customers and work in Oracle's usability labs The perfect entry point to Oracle Fusion development Introduction to Fusion and the Fusion Technologies; Introduction to JDeveloper and Oracle ADF; Finding your Way Around JDeveloper; Building Business Services; Introducing ADF Business Components; The Role of the Entity; A View of your Data – The View Object; The Application Module; Implementing Business Service Validation; More View Object Features; Building the User Interface; Introducing ADF Face Rich Client; ADF Model; Building Typical ADF Pages; Building Application Flow; Menus, Toolbars and Buttons; Advanced UI Techniques; Data Visualization and Other Rich UI Components; Application Look and Feel; Common Coding Patterns; Common Business Service Coding Examples; Common View Coding Examples

Apache Spark is a flexible in-memory framework that allows processing of both batch and real-time data. Its unified engine has made it quite popular for big data use cases. This book will help you to quickly get started with Apache Spark 2.0 and write efficient big data applications for a variety of use cases.

New technologies such as the internet and mobile communications are changing the face of business communications. With over 2 million enterprises in the UK, incorporating these new approaches has become crucial to avoiding business failure and driving growth. A Quick Start Guide to Mobile Marketing is specifically written for people who wish to improve how their customers perceive them by tapping into the benefits of m-marketing and its links with other forms of digital marketing. It provides a quick and easy understanding of the key concepts and principles applied to social networking, such as the benefits of mobile marketing; the increasing use of mobile technology within social network sites; marketing communications as a research tool; how m-commerce can add value for customers and other micro-environmental stakeholders and crucially, the future of digital marketing tools This 'how to' guide, containing real life examples of good contemporary practice, explains how the theories and tools described work in actual business scenarios to improve customer satisfaction, form better professional relationships and increase marketing effectiveness.

Digital Advances in Medicine, E-Health, and Communication Technologies explores the developments and trends in medical informatics and its approaches toward telemedicine and e-health applications. This comprehensive collection of research brings together academia and industry by highlighting recent advances in electronic health, medical communications and applications for e-health and medicine.

Task-based guide delivers the SQL know-how to employ and maintain any SQL-based database.

Are you a seasoned system administrator charged with setting up an Oracle database? Or did you suddenly become a DBA by default? If database administration with Oracle is part of your job, you'll be glad to have Oracle 11g For Dummies in your cubicle. This nuts-and-bolts guide walks you through the mysteries of Oracle and database administration. You'll learn how to understand Oracle database architecture, set up and manage an Oracle database, and keep it running in tiptop form. Oracle 11g For Dummies covers: The building blocks behind the database engine as well as Oracle's physical and logical structures Hardware, software, system, and storage requirements for implementation How to recognize and accommodate the differences between Oracle installations on Windows and on Linux/UNIX Daily and intermittent tasks necessary to keep your database running properly How to assess potential threats to your database, configure Oracle Recovery Manager, and set up backup and recovery procedures When to use online, offline, controlfile, and archive log backups Troubleshooting methodology and how to use Oracle database logs and other diagnostic utilities Different ways to manage your database How to automate jobs with the Oracle Scheduler Using SQL in Oracle, and a great deal more Completely up to date for the newest release of Oracle, Oracle 11g For Dummies will give you both the

information and the confidence to set up and maintain an Oracle database for your organization.

In response to feedback from course delegates this third edition has been revised throughout. It expands on the second edition with new and updated examples in the chapters on arithmetic, i/o, character data, modules, data structuring and generic programming with minor updates to the rest of the chapters. Key Features · lots of clear, simple examples highlighting the core language features of modern Fortran including data typing, array processing, control structures, functions, subroutines, modules, user defined types, pointers, operator overloading, generic programming, object oriented programming and parallel programming · pinpoints common problems that occur when programming · illustrates the use of several compilers · with better standards conformance in compilers there are new examples illustrating the following major features: - C Interop - IEEE arithmetic - parameterised derived types Introduction to Programming with Fortran will appeal to the complete beginner, existing Fortran programmers wishing to update their code and those with programming experience in other languages.

Create media-rich client applications using JavaFX 9 and the Java 9 platform. Learn to create GUI-based applications for mobile devices, desktop PCs, and even the web. Incorporate media such as audio and video into your applications. Interface with hardware devices such as Arduino and Leap Motion. Respond to gesture control through devices such as the Leap Motion Controller. Take advantage of the new HTTP2 API to make RESTful web requests and WebSockets calls. New to this edition are examples of creating stylized text and loading custom fonts, guidance for working with Scene Builder to create visual layouts, and new content on developing iOS and Android applications using Gluon mobile. The book also covers advanced topics such as custom controls, JavaFX 3D, gesture devices, printing, and animation. Best of all, the book is full of working code that you can adapt and extend to all your future projects. Is your goal to develop visually exciting applications in the Java language? Then this is the book you want at your side. JavaFX 9 by Example is chock-full of engaging, fun-to-work examples that bring you up to speed on the major facets of JavaFX 9. You'll learn to create applications that look good, are fun to use, and that take advantage of the medium to present data of all types in ways that engage the user and lead to increased productivity. The book: Has been updated with new content on modular development, new APIs, and an example using the Scene Builder tool Is filled with fun and practical code examples that you can modify and drop into your own projects Includes an example using Arduino and an accelerometer sensor to track motion in 3D Helps you create JavaFX applications for iOS and Android devices What You'll Learn Work with touch-based interfaces Interpret gesture-based events Use shapes, color, text, and UI controls to create a simple click and point game Add audio and video to your projects Utilize JavaFX 3D Create custom controls using CSS, SVG, and Canvas APIs Organize code into modules using Java Platform Module System (Project Jigsaw) Who This Book Is For Java developers developing visual and media-rich applications to run on PCs, phones, tablets, Arduino controllers, and more. This includes developers tasked with creating visualizations of data from statistical analysis and from sensor networks. Any developer wanting to develop a polished user-interface in Java will find much to like in this book.

Candidates for the Oracle Certified Associate in Oracle Database 11g need to pass Exams 1Z0-051 and 1Z0-052 to achieve their certification—this guide prepares you for taking both those exams. This two-in-one study guide covers the Oracle Certified Associate certification for Oracle database 11g and reviews exam topics such as restricting and sorting data, using conversion functions and conditional expressions, displaying data from multiple tables, and exploring the Oracle database architecture. Plus, you'll learn how to create and maintain an Oracle database, perform database backups and recovery, move and manipulate data, prepare the database environment, and more. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. For Instructors: Teaching supplements are available for this title.

Get up and running with Oracle's premium cloud blockchain services and build distributed blockchain apps with ease Key Features Discover Hyperledger Fabric and its components, features, qualifiers, and architecture Get familiar with the Oracle Blockchain Platform and its unique features Build Hyperledger Fabric-based business networks with Oracle's premium blockchain cloud service Book Description Hyperledger Fabric empowers enterprises to scale out in an unprecedented way, allowing organizations to build and manage blockchain business networks. This quick start guide systematically takes you through distributed ledger technology, blockchain, and Hyperledger Fabric while also helping you understand the significance of Blockchain-as-a-Service (BaaS). The book starts by explaining the blockchain and Hyperledger Fabric architectures. You'll then get to grips with the comprehensive five-step design strategy - explore, engage, experiment, experience, and influence. Next, you'll cover permissioned distributed autonomous organizations (pDAOs), along with the equation to quantify a blockchain solution for a given use case. As you progress, you'll learn how to model your blockchain business network by defining its assets, participants, transactions, and permissions with the help of examples. In the concluding chapters, you'll build on your knowledge as you explore Oracle Blockchain Platform (OBP) in depth and learn how to translate network topology on OBP. By the end of this book, you will be well-versed with OBP and have developed the skills required for infrastructure setup, access control, adding chaincode to a business network, and exposing chaincode to a DApp using REST configuration. What you will learn Model your blockchain-based business network by defining its components, transactions, integrations, and infrastructure through use cases Develop, deploy, and test chaincode using shim and REST, and integrate it with client apps using SDK, REST, and events Explore accounting, blockchain, hyperledger fabric, and its components, features, qualifiers, architecture and structure Understand the importance of Blockchain-as-a-Service (BaaS) Experiment Hyperledger Fabric and delve into the underlying technology Set up a consortium network, nodes, channels, and privacy, and learn how to translate network topology on OBP Who this book is for If you are a blockchain developer, blockchain architect or just a cloud developer looking to get hands-on with Oracle Blockchain Cloud Service, then this book is for you. Some familiarity with the basic concepts of blockchain will be helpful to get the most out of this book

Advanced Android™ Application Development, Fourth Edition, is the definitive guide to building robust, commercial-grade Android apps. Systematically revised and updated, this guide brings together powerful, advanced techniques for the entire app development cycle, including design, coding, testing, debugging, and distribution. With the addition of quizzes and exercises in every chapter, it is ideal for both professional and classroom use. An outstanding practical reference for the newest Android APIs, this guide provides in-depth explanations of code utilizing key API features and includes downloadable sample apps for nearly every chapter. Together, they provide a solid foundation for any modern app project. Throughout, the authors draw on decades of in-the-trenches experience as professional mobile developers to provide tips and best practices for highly efficient development. They show you how to break through traditional app boundaries with optional features, including the Android NDK, Google Analytics and Android Wear APIs, and Google Play Game Services. New coverage in this edition includes Integrating Google Cloud Messaging into your apps Utilizing the new Google location and Google Maps Android APIs Leveraging in-app billing from Google Play, as well as third-party providers Getting started with the Android Studio IDE Localizing language and using Google Play App Translation services Extending your app's reach with Lockscreen widgets and DayDreams Leveraging improvements to Notification, Web, SMS, and other APIs Annuzzi has released new source code samples for use with Android Studio. The code updates are posted to the associated blog site: <http://advancedandroidbook.blogspot.com/> This title is an indispensable resource for intermediate- to advanced-level Java programmers who are now developing for Android, and for seasoned mobile developers who want to make the most of the new Android platform and hardware. This revamped, newly titled edition is a complete update of Android™ Wireless Application Development, Volume II: Advanced Topics, Third Edition.

Ten years ago, groupware bundled with email and calendar applications helped track the flow of work from person to person within an organization. Workflow in today's enterprise means more monitoring and orchestrating massive systems. A new technology called Business Process Management, or BPM, helps software architects and developers design, code, run, administer, and monitor complex network-based business processes. BPM replaces those sketchy flowchart diagrams that business analysts draw on whiteboards with a precise model that uses standard graphical and XML representations, and an architecture that allows it to converse with other services, systems, and users. Sound complicated? It is. But it's downright frustrating when you have to search the Web for every little piece of information vital to the process. *Essential Business Process Modeling* gathers all the concepts, design, architecture, and standard specifications of BPM into one concise book, and offers hands-on examples that illustrate BPM's approach to process notation, execution, administration and monitoring. Author Mike Havey demonstrates standard ways to code rigorous processes that are centerpieces of a service-oriented architecture (SOA), which defines how networks interact so that one can perform a service for the other. His book also shows how BPM complements enterprise application integration (EAI), a method for moving from older applications to new ones, and Enterprise Service BUS for integrating different web services, messaging, and XML technologies into a single network. BPM, he says, is to this collection of services what a conductor is to musicians in an orchestra: it coordinates their actions in the performance of a larger composition. *Essential Business Process Modeling* teaches you how to develop examples of process-oriented applications using free tools that can be run on an average PC or laptop. You'll also learn about BPM design patterns and best practices, as well as some underlying theory. The best way to monitor processes within an enterprise is with BPM, and the best way to navigate BPM is with this valuable book.

Combine advanced analytics including Machine Learning, Deep Learning Neural Networks and Natural Language Processing with modern scalable technologies including Apache Spark to derive actionable insights from Big Data in real-time. **Key Features** Make a hands-on start in the fields of Big Data, Distributed Technologies and Machine Learning. Learn how to design, develop and interpret the results of common Machine Learning algorithms. Uncover hidden patterns in your data in order to derive real actionable insights and business value. **Book Description** Every person and every organization in the world manages data, whether they realize it or not. Data is used to describe the world around us and can be used for almost any purpose, from analyzing consumer habits to fighting disease and serious organized crime. Ultimately, we manage data in order to derive value from it, and many organizations around the world have traditionally invested in technology to help process their data faster and more efficiently. But we now live in an interconnected world driven by mass data creation and consumption where data is no longer rows and columns restricted to a spreadsheet, but an organic and evolving asset in its own right. With this realization comes major challenges for organizations: how do we manage the sheer size of data being created every second (think not only spreadsheets and databases, but also social media posts, images, videos, music, blogs and so on)? And once we can manage all of this data, how do we derive real value from it? The focus of *Machine Learning with Apache Spark* is to help us answer these questions in a hands-on manner. We introduce the latest scalable technologies to help us manage and process big data. We then introduce advanced analytical algorithms applied to real-world use cases in order to uncover patterns, derive actionable insights, and learn from this big data. **What you will learn** Understand how Spark fits in the context of the big data ecosystem. Understand how to deploy and configure a local development environment using Apache Spark. Understand how to design supervised and unsupervised learning models. Build models to perform NLP, deep learning, and cognitive services using Spark ML libraries. Design real-time machine learning pipelines in Apache Spark. Become familiar with advanced techniques for processing a large volume of data by applying machine learning algorithms. **Who this book is for** This book is aimed at Business Analysts, Data Analysts and Data Scientists who wish to make a hands-on start in order to take advantage of modern Big Data technologies combined with Advanced Analytics.

Cloud computing has caused a marketing fog, confusing business executives seeking to understand the technology's potential applications and business benefits. *A Quick-Start Guide to Cloud Computing* cuts through the industry hype and provides non-technical explanations about what it is and how it can improve your business. With case studies from large and small business, it shows how enabling a remote workforce and sharing resources can reduce your organisation's carbon footprint. It describes: the benefits of cloud computing; how to choose the right supplier and technologies for your particular business; key security issues and the perils and pitfalls to avoid. This Quick Start Guide puts business needs before technology, enabling you to make confident decisions about IT strategy, make the right choices for your business and reject 'solutions' that fix problems you don't have.

Get familiar with writing programs in the trending new systems programming language that brings together the powerful performance of low-level languages with the advanced features like thread safety in multi-threaded code. **Key Features** Learn the semantics of Rust, which can be significantly different from other programming languages. Understand clearly how to work with the Rust compiler which strictly enforces rules that may not be obvious. Examples and insights beyond the Rust documentation. **Book Description** Rust is an emerging programming language applicable to areas such as embedded programming, network programming, system programming, and web development. This book will take you from the basics of Rust to a point where your code compiles and does what you intend it to do! This book starts with an introduction to Rust and how to get set for programming, including the `rustup` and `cargo` tools for managing a Rust installation and development workflow. Then you'll learn about the fundamentals of structuring a Rust program, such as functions, mutability, data structures, implementing behavior for types, and many more. You will also learn about concepts that Rust handles differently from most other languages. After understanding the Basics of Rust programming, you will learn about the core ideas, such as variable ownership, scope, lifetime, and borrowing. After these key ideas, you will explore making decisions in Rust based on data types by learning about `match` and `if let` expressions. After that, you'll work with different data types in Rust, and learn about memory management and smart pointers. **What you will learn** Install Rust and write your first program with it. Understand ownership in Rust. Handle different data types. Make decisions by pattern matching. Use smart pointers. Use generic types and type specialization. Write code that works with many data types. Tap into the standard library. **Who this book is for** This book is for people who are new to Rust, either as their first programming language or coming to it from somewhere else. Familiarity with computer programming in any other language will be helpful in getting the best out of this book.

Quick Start Guide to Oracle Fusion Development Oracle JDeveloper and Oracle ADF McGraw Hill Professional

Evaluate MicroStrategy as a departmental solution. This book provides detailed information to download, install, configure, and use the MicroStrategy Suite.

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