

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

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.

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.

Get Started Fast with Apache Hadoop® 2, YARN, and Today's Hadoop Ecosystem With Hadoop 2.x and YARN, Hadoop moves beyond MapReduce to become practical for virtually any type of data processing. Hadoop 2.x and the Data Lake concept represent a radical shift away from conventional approaches to data usage and storage. Hadoop 2.x installations offer unmatched scalability and breakthrough extensibility that supports new and existing Big Data analytics processing methods and models. Hadoop® 2 Quick-Start Guide is the first easy, accessible guide to Apache Hadoop 2.x, YARN, and the modern Hadoop ecosystem. Building on his unsurpassed experience teaching Hadoop and Big Data, author Douglas Eadline covers all the basics you need to know to install and use Hadoop 2 on personal computers or servers, and to navigate the powerful technologies that complement it. Eadline concisely introduces and explains every key Hadoop 2 concept, tool, and service, illustrating each with a simple "beginning-to-end" example and identifying trustworthy, up-to-date resources for learning more. This guide is ideal if you want to learn about Hadoop 2 without getting mired in technical details. Douglas Eadline will bring you up to speed quickly, whether you're a user, admin, devops specialist, programmer, architect, analyst, or data scientist. Coverage Includes Understanding what Hadoop 2 and YARN do, and how they improve on Hadoop 1 with MapReduce Understanding Hadoop-based Data Lakes versus RDBMS Data Warehouses Installing Hadoop 2 and core services on Linux machines, virtualized sandboxes, or clusters Exploring the Hadoop Distributed File System (HDFS) Understanding the essentials of MapReduce and YARN application programming Simplifying programming and data movement with Apache Pig, Hive, Sqoop, Flume, Oozie, and HBase Observing application progress, controlling jobs, and managing workflows Managing Hadoop efficiently with Apache Ambari—including recipes for HDFS to NFSv3 gateway, HDFS snapshots, and YARN configuration Learning basic Hadoop 2 troubleshooting, and installing Apache Hue and Apache Spark

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 stake holders 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.

This essential guide will help any blockchain practitioner gain expertise in developing complete STO and stablecoins DApps. This book provides a quick introduction to basic ICO and STO concepts, and their differences. It will also help readers compile, test, and deploy their own contracts by altering the code provided in the book.

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.

Build reporting applications and dashboards using the different MicroStrategy objects Key Features Learn the fundamentals of MicroStrategy Use MicroStrategy to get actionable insights from your business data Create visualizations and build intuitive dashboards and reports Book Description MicroStrategy is an enterprise business intelligence application. It turns data into reports for making and executing key organization decisions. This book shows you how to implement Business Intelligence (BI) with MicroStrategy. It takes you from setting up and configuring MicroStrategy to security and administration. The book starts by detailing the different components of the MicroStrategy platform, and the key concepts of Metadata and Project Source. You will then install and configure MicroStrategy and lay down the foundations for building MicroStrategy BI solutions. By learning about objects and different object types, you will develop a strong understanding of the MicroStrategy Schema and Public Objects. With these MicroStrategy objects, you will enhance and scale your BI and Analytics solutions. Finally, you will learn about the administration, security, and monitoring of your BI solution. What you will learn Set up the MicroStrategy Intelligence Server and client tools Create a MicroStrategy metadata repository and your first Project Explore the main MicroStrategy object types and their dependencies Create, manipulate, and share Reports Create and share Dashboards Manage Users and Groups Who this book is for This book is for Business Intelligence professionals or data analysts who want to get started with Microstrategy. Some basic understanding of BI and data analysis will be required to get the most from this book.

MongoDB has grown to become the de facto NoSQL database with millions of users, from small start-ups to Fortune 500 companies. It can solve problems that are considered difficult, if not impossible, for aging RDBMS technologies. Written for version 4 of MongoDB, this book is the easiest way to get started with MongoDB.

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

A comprehensive guide to rolling out Datadog to monitor infrastructure and applications running in both cloud and datacenter environments Key Features Learn Datadog to proactively monitor your infrastructure and cloud services Use Datadog as a platform for aggregating monitoring efforts in your organization Leverage Datadog's alerting service to implement on-call and site reliability engineering (SRE) processes Book Description Datadog is an essential cloud monitoring and operational analytics tool which enables the monitoring of servers, virtual machines, containers, databases, third-party tools, and application services. IT and DevOps teams can easily leverage Datadog to monitor infrastructure and cloud services, and this book will show you how. The book starts by describing basic monitoring concepts and types of monitoring that are rolled out in a large-scale IT production engineering environment. Moving on, the book covers how standard monitoring features are implemented on the Datadog platform and how they can be rolled out in a real-world production environment. As you advance, you'll discover how Datadog is integrated with popular software components that are used to build cloud platforms. The book also provides details on how to use monitoring standards such as Java Management Extensions (JMX) and StatsD to extend the Datadog platform. Finally, you'll get to grips with monitoring fundamentals, learn how monitoring can be rolled out using Datadog proactively, and find out how to extend and customize the Datadog platform. By the end of this Datadog book, you will have gained the skills needed to monitor your cloud infrastructure and the software applications running on it using Datadog. What you will learn Understand monitoring fundamentals, including metrics, monitors, alerts, and thresholds Implement core monitoring requirements using Datadog features Explore Datadog's integration with cloud platforms and tools Extend Datadog using custom scripting and standards such as JMX and StatsD Discover how proactive monitoring can be rolled out using various Datadog features Understand how Datadog can be used to monitor microservices in both Docker and Kubernetes environments Get to grips with advanced Datadog features such as APM and Security Monitoring Who this book is for This book is for DevOps engineers, site reliability engineers (SREs), IT Production engineers, software developers and architects, cloud engineers, system administrators, and anyone looking to monitor and visualize their infrastructure and applications with Datadog. Basic working knowledge of cloud and infrastructure is useful. Working experience of Linux distribution and some scripting knowledge is required to fully take advantage of the material provided in the book.

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.

Learn quick and effective techniques to get up and running with building blockchain including Ethereum and Hyperledger Fabric. Key Features Understand the key concepts of decentralized applications and consensus algorithms Learn key concepts of Ethereum and Solidity programming Practical guide to get started with build efficient Blockchain applications with Ethereum and Hyperledger Book Description Blockchain is a technology that powers the development of decentralized applications. This technology allows the construction of a network with no single control that enables participants to make contributions to and receive benefits from the network directly. This book will give you a thorough overview of blockchain and explain how a blockchain works. You will begin by going through various blockchain consensus mechanisms and cryptographic hash functions. You will then learn the fundamentals of programming in Solidity – the defacto language for developing decentralize, applications in Ethereum. After that, you will set up an Ethereum development environment and develop, package, build, and test campaign-decentralized applications. The book also shows you how to set up Hyperledger

composer tools, analyze business scenarios, design business models, and write a chain code. Finally, you will get a glimpse of how blockchain is actually used in different real-world domains. By the end of this guide, you will be comfortable working with basic blockchain frameworks, and develop secure, decentralized applications in a hassle-free manner. What you will learn Understand how blockchain hashing works Write and test a smart contract using Solidity Develop and test a decentralized application Build and test your application using Hyperledger Fabric Implement business network using Hyperledger Composer Test and interact with business network applications Who this book is for The book is for developers, analysts, or anyone looking to learn about Blockchain in a quick and easy manner.

Arduino is an open-source platform that makes DIY electronics projects easier than ever. Gone are the days when you had to learn electronics theory and arcane programming languages before you could even get an LED to blink. Now, with this new edition of the bestselling *Arduino: A Quick-Start Guide*, readers with no electronics experience can create their first gadgets quickly. This book is up-to-date for the new Arduino Zero board, with step-by-step instructions for building a universal remote, a motion-sensing game controller, and many other fun, useful projects. This Quick-Start Guide is packed with fun, useful devices to create, with step-by-step instructions and photos throughout. You'll learn how to connect your Arduino to the Internet and program both client and server applications. You'll build projects such as your own motion-sensing game controller with a three-axis accelerometer, create a universal remote with an Arduino and a few cheap parts, build your own burglar alarm that emails you whenever someone's moving in your living room, build binary dice, and learn how to solder. In one of several new projects in this edition, you'll create your own video game console that you can connect to your TV set. This book is completely updated for the new Arduino Zero board and the latest advances in supporting software and tools for the Arduino. Sidebars throughout the book point you to exciting real-world projects using the Arduino, exercises extend your skills, and "What If It Doesn't Work" sections help you troubleshoot common problems. With this book, beginners can quickly join the worldwide community of hobbyists and professionals who use the Arduino to prototype and develop fun, useful inventions. What You Need: This is the full list of all parts you'd need for all projects in the book; some of these are provided as part of various kits that are available on the web, or you can purchase individually. Sources include adafruit.com, makershed.com, radioshack.com, sparkfun.com, and mouser.com. Please note we do not support or endorse any of these vendors, but we list them here as a convenience for you. Arduino Zero (or Uno or Duemilanove or Diecimila) board USB cable Half-size breadboard Pack of LEDs (at least 3, 10 or more is a good idea) Pack of 100 ohm, 10k ohm, and 1k ohm resistors Four pushbuttons Breadboard jumper wire / connector wire Parallax Ping))) sensor Passive Infrared sensor An infrared LED A 5V servo motor Analog Devices TMP36 temperature sensor ADXL335 accelerometer breakout board 6 pin 0.1" standard header (might be included with the ADXL335) Nintendo Nunchuk Controller Arduino Ethernet shield Arduino Proto shield and a tiny breadboard (optional but recommended) Piezo speaker/buzzer (optional) Tilt sensor (optional) A 25-30 Watts soldering iron with a tip (preferably 1/16") A soldering stand and a sponge A standard 60/40 solder (rosin-core) spool for electronics work Evaluate MicroStrategy as a departmental solution. This book provides detailed information to download, install, configure, and use the MicroStrategy Suite.

An all-in-one study guide prepares you for the updated Oracle Certified Associate certification It's been nearly six years since Oracle updated its cornerstonedatabase software, making the demand for a comprehensive studyguide for the OCA 12c certification a top priority. This resourceanswers that demand. Packed with invaluable insight, chapter reviewquestions, bonus practice exams, hundreds of electronic flashcards,and a searchable glossary of terms, this study guide prepares youfor the challenging Oracle certification exams. Provides you with a solid understanding of restricting andsorting data Walks you through using conversion functions and conditionalexpressions Addresses displaying data from multiple tables, manipulatingdata, database maintenance, and database backups and recovery Explores the Oracle database architecture and discussespreparing the database environment, creating an Oracle database,and managing the Oracle instance Focuses on administering and implementing user security This must-have study guide thoroughly prepares you to take the dramatically updated Oracle 12c OCA exams.

Web Scraping techniques are getting more popular, since data is as valuable as oil in 21st century. Through this book get some key knowledge about using XPath, regEX; web scraping libraries for R like rvest and RSelenium technologies. Key Features Techniques, tools and frameworks for web scraping with R Scrape data effortlessly from a variety of websites Learn how to selectively choose the data to scrape, and build your dataset Book Description Web scraping is a technique to extract data from websites. It simulates the behavior of a website user to turn the website itself into a web service to retrieve or introduce new data. This book gives you all you need to get started with scraping web pages using R programming. You will learn about the rules of RegEx and Xpath, key components for scraping website data. We will show you web scraping techniques, methodologies, and frameworks. With this book's guidance, you will become comfortable with the tools to write and test RegEx and XPath rules. We will focus on examples of dynamic websites for scraping data and how to implement the techniques learned. You will learn how to collect URLs and then create XPath rules for your first web scraping script using rvest library. From the data you collect, you will be able to calculate the statistics and create R plots to visualize them. Finally, you will discover how to use Selenium drivers with R for more sophisticated scraping. You will create AWS instances and use R to connect a PostgreSQL database hosted on AWS. By the end of the book, you will be sufficiently confident to create end-to-end web scraping systems using R. What you will learn Write and create regEX rules Write XPath rules to query your data Learn how web scraping methods work Use rvest to crawl web pages Store data retrieved from the web Learn the key uses of Rselenium to scrape data Who this book is for This book is for R programmers who want to get started quickly with web scraping, as well as data analysts who want to learn scraping using R. Basic knowledge of R is all you need to get started with this book.

Learn how to quickly generate business intelligence, insights and create interactive dashboards for digital storytelling through various data sources with Redash Key Features Learn the best use of visualizations to build powerful interactive dashboards Create and share visualizations and data in your organization Work with different complexities of data from different data sources Book Description Data exploration and visualization is vital to Business Intelligence, the backbone of almost every enterprise or organization. Redash is a querying and visualization tool developed to simplify how marketing and business development departments are exposed to data. If you want to learn to create interactive dashboards with Redash, explore different visualizations, and share the insights with your peers, then this is the ideal book for you. The book starts with essential Business Intelligence concepts that are at the heart of data visualizations. You will learn how to find your way round Redash and its rich array of data visualization options for building interactive dashboards. You will learn how to create data storytelling and share these with peers. You will see how to connect to different data sources to process complex data, and then visualize this data to reveal valuable insights. By the end of this book, you will be confident with the Redash dashboarding tool to provide insight and communicate data storytelling. What you will learn Install Redash and troubleshoot installation errors Manage user roles and permissions Fetch data from various data sources Visualize and present data with Redash Create active alerts based on your data Understand Redash administration and customization Export, share and recount stories with Redash visualizations Interact programmatically with Redash through the Redash API Who this book is for This book is intended for Data Analysts, BI professionals and Data Developers, but can be useful to anyone who has a basic knowledge of SQL and a creative mind. Familiarity with basic BI concepts will be helpful, but no knowledge of Redash is required.

Here's the book you need to prepare for Oracle's 10g upgrade exam, Oracle Database 10g: New Features for Administrators (1Z0-040). This Study Guide was developed to meet the exacting requirements of today's Oracle certification candidates. In addition to the consistent and accessible instructional approach that has earned Sybex the "Best Study Guide" selection in CertCities Readers Choice Awards for two consecutive years, this book provides: Clear and concise information on the enhancements included in Oracle 10g Practical examples and insights drawn from the authors' real-world experiences Leading-edge exam preparation software, including a test engine and electronic flashcards You'll also find authoritative coverage of key exam topics, including: Installing and Configuring the Server Loading and Unloading Data Tuning Applications Supporting Analytical Applications Backing Up and Recovering Data Automating Data Storage Management Applying Security Policies Supporting Upgrade Paths to Oracle 10g Look to Sybex for the knowledge and skills needed to succeed in today's competitive IT marketplace. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. 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

Port projects over from GitHub and convert SVN projects to GitLab hosted git projects Key Features Effective guide for GitLab migration from GitHub and SVN Learn to implement DevOps with GitLab 11 Manage projects with issue boards and time tracking Book Description Gitlab is an open source repository management and version control toolkit with an enterprise offering. This book is the ideal guide to GitLab as a version control system (VCS), issue management tool, and a continuous integration platform. The book starts with an introduction to GitLab, a walkthrough of its features, and explores concepts such as version control systems, continuous integration, and continuous deployment. It then takes you through the process of downloading and installing a local copy of the on-premise version of GitLab in Ubuntu and/or CentOS. You will look at some common workflows associated with GitLab workflow and learn about project management in GitLab. You will see tools and techniques for migrating your code base from various version control systems such as GitHub and SVN to GitLab. By the end of the book, you will be using Gitlab for repository management, and be able to migrate projects from

other VCSs to GitLab. What you will learn Set up CI and test builds for your projects Understand the benefits and limitations of GitLab workflow Migrate from other common VCS platforms to Gitlab Create, review, and merge code changes Learn to branch local code and create a new branch in GitLab Configure sequential stages and simultaneous stages for CI/CD Access Mattermost for on-premise GitLab Discover the issue tracking features of GitLab Who this book is for The book is intended for the developers, SREs, and DevOps professionals who are looking for techniques to port their codebase to GitLab from GitHub or are looking to work with GitLab as their version control system of choice. If you've used other VCSs before, that will help with this book.

Build efficient, high-performance & scalable systems to process large volumes of data with Apache Ignite Key Features Understand Apache Ignite's in-memory technology Create High-Performance app components with Ignite Build a real-time data streaming and complex event processing system Book Description Apache Ignite is a distributed in-memory platform designed to scale and process large volume of data. It can be integrated with microservices as well as monolithic systems, and can be used as a scalable, highly available and performant deployment platform for microservices. This book will teach you to use Apache Ignite for building a high-performance, scalable, highly available system architecture with data integrity. The book takes you through the basics of Apache Ignite and in-memory technologies. You will learn about installation and clustering Ignite nodes, caching topologies, and various caching strategies, such as cache aside, read and write through, and write behind. Next, you will delve into detailed aspects of Ignite's data grid: web session clustering and querying data. You will learn how to process large volumes of data using compute grid and Ignite's map-reduce and executor service. You will learn about the memory architecture of Apache Ignite and monitoring memory and caches. You will use Ignite for complex event processing, event streaming, and the time-series predictions of opportunities and threats. Additionally, you will go through off-heap and on-heap caching, swapping, and native and Spring framework integration with Apache Ignite. By the end of this book, you will be confident with all the features of Apache Ignite 2.x that can be used to build a high-performance system architecture. What you will learn Use Apache Ignite's data grid and implement web session clustering Gain high performance and linear scalability with in-memory distributed data processing Create a microservice on top of Apache Ignite that can scale and perform Perform ACID-compliant CRUD operations on an Ignite cache Retrieve data from Apache Ignite's data grid using SQL, Scan and Lucene Text query Explore complex event processing concepts and event streaming Integrate your Ignite app with the Spring framework Who this book is for The book is for Big Data professionals who want to learn the essentials of Apache Ignite. Prior experience in Java is necessary.

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.

A step-by-step introduction to using SAS® statistical software as a foundational approach to data analysis and interpretation Presenting a straightforward introduction from the ground up, SAS® Essentials: Mastering SAS for Data Analytics, Second Edition illustrates SAS using hands-on learning techniques and numerous real-world examples. Keeping different experience levels in mind, the highly-qualified author team has developed the book over 20 years of teaching introductory SAS courses. Divided into two sections, the first part of the book provides an introduction to data manipulation, statistical techniques, and the SAS programming language. The second section is designed to introduce users to statistical analysis using SAS Procedures. Featuring self-contained chapters to enhance the learning process, the Second Edition also includes: Programming approaches for the most up-to-date version of the SAS platform including information on how to use the SAS University Edition Discussions to illustrate the concepts and highlight key fundamental computational skills that are utilized by business, government, and organizations alike New chapters on reporting results in tables and factor analysis Additional information on the DATA step for data management with an emphasis on importing data from other sources, combining data sets, and data cleaning Updated ANOVA and regression examples as well as other data analysis techniques A companion website with the discussed data sets, additional code, and related PowerPoint® slides SAS Essentials: Mastering SAS for Data Analytics, Second Edition is an ideal textbook for upper-undergraduate and graduate-level courses in statistics, data analytics, applied SAS programming, and statistical computer applications as well as an excellent supplement for statistical methodology courses. The book is an appropriate reference for researchers

and academicians who require a basic introduction to SAS for statistical analysis and for preparation for the Basic SAS Certification Exam.

Process large volumes of data in real-time while building high performance and robust data stream processing pipeline using the latest Apache Kafka 2.0 Key Features Solve practical large data and processing challenges with Kafka Tackle data processing challenges like late events, windowing, and watermarking Understand real-time streaming applications processing using Schema registry, Kafka connect, Kafka streams, and KSQL Book Description Apache Kafka is a great open source platform for handling your real-time data pipeline to ensure high-speed filtering and pattern matching on the fly. In this book, you will learn how to use Apache Kafka for efficient processing of distributed applications and will get familiar with solving everyday problems in fast data and processing pipelines. This book focuses on programming rather than the configuration management of Kafka clusters or DevOps. It starts off with the installation and setting up the development environment, before quickly moving on to performing fundamental messaging operations such as validation and enrichment. Here you will learn about message composition with pure Kafka API and Kafka Streams. You will look into the transformation of messages in different formats, such as asex, binary, XML, JSON, and AVRO. Next, you will learn how to expose the schemas contained in Kafka with the Schema Registry. You will then learn how to work with all relevant connectors with Kafka Connect. While working with Kafka Streams, you will perform various interesting operations on streams, such as windowing, joins, and aggregations. Finally, through KSQL, you will learn how to retrieve, insert, modify, and delete data streams, and how to manipulate watermarks and windows. What you will learn How to validate data with Kafka Add information to existing data flows Generate new information through message composition Perform data validation and versioning with the Schema Registry How to perform message Serialization and Deserialization How to perform message Serialization and Deserialization Process data streams with Kafka Streams Understand the duality between tables and streams with KSQL Who this book is for This book is for developers who want to quickly master the practical concepts behind Apache Kafka. The audience need not have come across Apache Kafka previously; however, a familiarity of Java or any JVM language will be helpful in understanding the code in this book.

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. --

Grails is a full-stack web development framework that enables you to build complete web applications in a fraction of the time and with less code than other frameworks. Grails uses the principle of convention over configuration and the dynamic Groovy programming language. This revised and updated new edition shows you how to use Grails by iteratively building a unique, working application. By the time you're done, you'll have built and deployed a real, functioning website. Using this hands-on, pragmatic approach, you'll explore topics such as Ajax in Grails, custom tags, and plugins. You'll dig into Grails' powerful view technology, Groovy Server Pages, and see how you can easily leverage the help offered by scaffolding to create custom user interfaces faster than you would have thought possible. Along the way, you'll learn about domain classes, controllers, and GSP views. And you'll see how Grails enables you to use powerful frameworks such as Spring and Hibernate. With Grails, you can get a lot done with little effort. With this book, you'll get a lot done as well. Get started with Grails today. What You Need: Grails 2 will run on any machine that supports Java. Grails applications can be deployed on any Java Servlet container, including Tomcat, Jetty, WebLogic, JBoss, and Websphere.

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

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

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.

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.

Integrate open source data analytics and build business intelligence on SQL databases with Apache Superset. The quick, intuitive nature for data visualization in a web application makes it easy for creating interactive dashboards. Key Features Work with Apache Superset's rich set of data visualizations Create interactive dashboards and data storytelling Easily explore data Book Description Apache Superset is a modern, open source, enterprise-ready business intelligence (BI) web application. With the help of this book, you will see how Superset integrates with popular databases like Postgres, Google BigQuery, Snowflake, and MySQL. You will learn to create real time data visualizations and dashboards on modern web browsers for your organization using Superset. First, we look at the fundamentals of Superset, and then get it up and running. You'll go through the requisite installation, configuration, and deployment. Then, we will discuss different columnar data types, analytics, and the visualizations available. You'll also see the security tools available to the administrator to keep your data safe. You will learn how to visualize relationships as graphs instead of coordinates on plain orthogonal axes. This will help you when you upload your own entity relationship dataset and analyze the dataset in new, different ways. You will also see how to analyze geographical regions by working with location data. Finally, we cover a set of tutorials on dashboard designs frequently used by analysts, business intelligence professionals, and developers. What you will learn Get to grips with the fundamentals of data exploration using Superset Set up a working instance of Superset on cloud services like Google Compute Engine Integrate Superset with SQL databases Build dashboards with Superset Calculate statistics in Superset for numerical, categorical, or text data Understand visualization techniques, filtering, and grouping by aggregation Manage user roles and permissions in Superset Work with SQL Lab Who this book is for This book is for data analysts, BI professionals, and developers who want to learn Apache Superset. If you want to create interactive dashboards from SQL databases, this book is what you need. Working knowledge of Python will be an advantage but not necessary to understand this book.

The SAP BusinessObjects Business Intelligence platform is a powerful reporting and analysis tool. This book is the ideal introduction to the SAP BusinessObjects Business Intelligence platform, introducing you to its data visualization, visual analytics, reporting, and dashboarding capabilities.

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.

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.

[Copyright: b6ea9ecd97e4e7bdf805af2cbac96d75](https://www.pdfdrive.com/quick-start-guide-to-oracle-fusion-development-oracle-jdeveloper-and-oracle-adf-oracle-press-p123456789.html)