

Winrar User Guide

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The The Complete Rust Programming Reference Guide Rahul Sharma 2019-05-22 Design and implement professional-level programs by leveraging modern data structures and algorithms in Rust Key FeaturesImprove your productivity by writing more simple and easy code in RustDiscover the functional and reactive implementations of traditional data structuresDelve into new domains of Rust, including WebAssembly, networking, and command-line toolsBook Description Rust is a powerful language with a rare combination of safety, speed, and zero-cost abstractions. This Learning Path is filled with clear and simple explanations of its features along with real-world examples, demonstrating how you can build robust, scalable, and reliable programs. You'll get started with an introduction to Rust data structures, algorithms, and essential language constructs. Next, you will understand how to store data using linked lists, arrays, stacks, and queues. You'll also learn to implement sorting and searching algorithms, such as Brute Force algorithms, Greedy algorithms, Dynamic Programming, and Backtracking. As you progress, you'll pick up on using Rust for systems programming, network programming, and the web. You'll then move on to discover a variety of techniques, right from writing memory-safe code, to building idiomatic Rust libraries, and even advanced macros. By the end of this Learning Path, you'll be able to implement Rust for enterprise projects, writing better tests and documentation, designing for performance, and creating idiomatic Rust code. This Learning Path includes content from the following Packt products: Mastering Rust - Second Edition by Rahul Sharma and Vesa KaihlavirtaHands-On Data Structures and Algorithms with Rust by Claus MatzingerWhat you will learnDesign and implement complex data structures in RustCreate and use

well-tested and reusable components with Rust Understand the basics of multithreaded programming and advanced algorithm design Explore application profiling based on benchmarking and testing Study and apply best practices and strategies in error handling Create efficient web applications with the Actix-web framework Use Diesel for type-safe database interactions in your web application Who this book is for If you are already familiar with an imperative language and now want to progress from being a beginner to an intermediate-level Rust programmer, this Learning Path is for you. Developers who are already familiar with Rust and want to delve deeper into the essential data structures and algorithms in Rust will also find this Learning Path useful.

Microsoft Power BI Quick Start Guide Devin Knight 2018-07-30 Bring your data to life with Power BI Key Features Get to grips with the fundamentals of Microsoft Power BI and its Business Intelligence capabilities Build accurate analytical models, reports and dashboards Get faster and more intuitive insights from your data using Microsoft Power BI Book Description Microsoft Power BI is a cloud-based service that helps you easily visualize and share insights using your organization's data. This book will get you started with business intelligence using the Power BI toolset, covering essential concepts such as installation, designing effective data models, as well as building basic dashboards and visualizations to make your data come to life You will learn how to get your data the way you want – connecting to data sources sources and how to clean your data with the Power BI Query Editor. You will next learn how to properly design your data model to make your data easier to work with.. You will next learn how to properly design your data model to navigate table relationships and build DAX formulas to make your data easier to work with. Visualizing your data is another key element of this book, and you will learn how to follow proper data visualization styles and enhanced digital storytelling techniques. By the end of this book, you will understand how to administer your organization's Power BI environment so deployment can be made seamless, data refreshes can run properly, and security can be fully implemented What you will learn Connect to data sources using both import and DirectQuery options Use the Query Editor to apply data transformations and data cleansing processes, including learning how to write M and R scripts Design optimized data models by designing relationships and DAX calculations Leverage built-in and custom visuals to design effective reports Use the Power BI Desktop and Power BI Service to implement Row Level Security on your model Administer a Power BI cloud tenant for your organization Deploy your Power BI Desktop files into the Power BI Report Server Who this book is for This book is for aspiring Business Intelligence professionals who want to get up and running with Microsoft Power BI. If you have a basic understanding of BI concepts and want to learn how to apply

them using Microsoft Power BI, this book is for you.

React Router Quick Start Guide Sagar Ganatra 2018-09-29 Learn how you can implement routing in a React Web/Native application using React-Router library Key Features Create nested routes and complex workflows for your applications Learn Routing in server-side rendered applications and in Native mobile applications Understand how Redux bindings for React-Router works using the connected-react-router library Book Description React Router is the routing library for React, and it can be used in both React Web and React Native applications. This book is a simple way to get started with React Router and harness its full power for your applications. The book starts with an introduction to React Router and teaches you how to create your first route using the Route component. You will then learn about configuring your routes, passing parameters, and creating nested routes. You will be introduced to various components in React-Router and learn different configuration options available for these components. You will then see how to use the Redirect and Switch components. For even greater flexibility, you will learn about BrowserRouter, HashRouter, NativeRouter, and StaticRouter. By the end of the book, you will have set up a project with React Router and make routing configuration work in a server-side rendered React application, a mobile application built with React Native and also understand how Redux and React-Router can be used in the same application. What you will learn Create your first Route using the Route component Protect routes from unauthorized access by using the Redirect component Navigate to your defined route using Link and NavLink Configure BrowserRouter and HashRouter using various props Use StaticRouter for routing in server-side rendered React applications Implement routing in a React Native app using react-router-native Using connected-react-router library with React-Router for better state management Who this book is for This book is for JavaScript developers who have basic knowledge of React and who want to harness the power and flexibility of React Router

TensorFlow 2.0 Quick Start Guide Tony Holdroyd 2019-03-29 TensorFlow is one of the most popular machine learning frameworks in Python. With this book, you will improve your knowledge of some of the latest TensorFlow features and will be able to perform supervised and unsupervised machine learning and also train neural networks.

Amazon Fargate Quick Start Guide Deepak Vohra 2018-07-24 This book gets you started and gives you knowledge about AWS Fargate in order to successfully incorporate it in your ECS container application. Key Features Gives you a quick walk-through over the Amazon Elastic Container Services (ECS) Provides an in depth knowledge of the components that Amazon Fargate has to offer. Learn the practical aspects of Docker application

development with a managed service Book Description Amazon Fargate is a new launch type for the Amazon Elastic Container Service (ECS). ECS is an AWS service for Docker container orchestration. Docker is the de facto containerization framework and has revolutionized packaging and deployment of software. The introduction of Fargate has made the ECS platform serverless. The book takes you through how Amazon Fargate runs ECS services composed of tasks and Docker containers and exposes the containers to the user. Fargate has simplified the ECS platform. We will learn how Fargate creates an Elastic Network Interface (ENI) for each task and how auto scaling can be enabled for ECS tasks. You will also learn about using an IAM policy to download Docker images and send logs to CloudWatch. Finally, by the end of this book, you will have learned about how to use ECS CLI to create an ECS cluster and deploy tasks with Docker Compose. What you will learn Running Docker containers with a managed service Use Amazon ECS in Fargate launch mode Configure CloudWatch Logging with Fargate Use an IAM Role with Fargate Understand how ECS CLI is used with Fargate Learn how to use an Application Load Balancer with Fargate Learn about Auto Scaling with Fargate Who this book is for This book is for Docker users and developers who want to learn about the Fargate platform. Typical job roles for which the book is suitable are DevOps Architect, Docker Engineer, and AWS Cloud Engineer. Prior knowledge of AWS and ECS is helpful but not mandatory.

Mastering Delphi Programming: A Complete Reference Guide Primož Gabrijel?i? 2019-11-26 Use structural, behavioral, and concurrent patterns in Delphi to skillfully develop applications Key FeaturesDelve into the core patterns and components of Delphi to enhance your application's designLearn how to select the right patterns to improve your program's efficiency and productivityDiscover how parallel programming and memory management can optimize your codeBook Description Delphi is a cross-platform Integrated Development Environment (IDE) that supports rapid application development for most operating systems, including Microsoft Windows, iOS, and now Linux with RAD Studio 10.2. If you know how to use the features of Delphi, you can easily create scalable applications in no time. This Learning Path begins by explaining how to find performance bottlenecks and apply the correct algorithm to fix them. You'll brush up on tricks, techniques, and best practices to solve common design and architectural challenges. Then, you'll see how to leverage external libraries to write better-performing programs. You'll also learn about the eight most important patterns that'll enable you to develop and improve the interface between items and harmonize shared memories within threads. As you progress, you'll also delve into improving the performance of your code and mastering cross-platform RTL improvements. By the end of this Learning

Path, you'll be able to address common design problems and feel confident while building scalable projects. This Learning Path includes content from the following Packt products: Delphi High Performance by Primož Gabrijel*?* Hands-On Design Patterns with Delphi by Primož Gabrijel*?* What you will learn Understand parallel programming and work with the various tools included with Delphi Explore memory managers and their implementation Leverage external libraries to write better-performing programs Keep up to date with the latest additions and design techniques in Delphi Get to grips with various modern multithreading approaches Break a design problem down into its component parts Who this book is for This Learning Path is for intermediate-level Delphi programmers who want to build robust applications using Delphi features. Prior knowledge of Delphi is assumed.

pytest Quick Start Guide Bruno Oliveira 2018-08-29 Learn the pytest way to write simple tests which can also be used to write complex tests Key Features Become proficient with pytest from day one by solving real-world testing problems Use pytest to write tests more efficiently Scale from simple to complex and functional testing Book Description Python's standard unittest module is based on the xUnit family of frameworks, which has its origins in Smalltalk and Java, and tends to be verbose to use and not easily extensible. The pytest framework on the other hand is very simple to get started, but powerful enough to cover complex testing integration scenarios, being considered by many the true Pythonic approach to testing in Python. In this book, you will learn how to get started right away and get the most out of pytest in your daily workflow, exploring powerful mechanisms and plugins to facilitate many common testing tasks. You will also see how to use pytest in existing unittest-based test suites and will learn some tricks to make the jump to a pytest-style test suite quickly and easily. What you will learn Write and run simple and complex tests Organize tests in files and directories Find out how to be more productive on the command line Markers and how to skip, xfail and parametrize tests Explore fixtures and techniques to use them effectively, such as tmpdir, pytestconfig, and monkeypatch Convert unittest suites to pytest using little-known techniques Use third-party plugins Who this book is for This book is for Python programmers that want to learn more about testing. This book is also for QA testers, and those who already benefit from programming with tests daily but want to improve their existing testing tools.

Malware Forensics Field Guide for Windows Systems Cameron H. Malin 2012-05-11 Malware Forensics Field Guide for Windows Systems is a handy reference that shows students the essential tools needed to do computer forensics analysis at the crime scene. It is part of Syngress Digital Forensics Field Guides, a series of companions for any digital and computer forensic

student, investigator or analyst. Each Guide is a toolkit, with checklists for specific tasks, case studies of difficult situations, and expert analyst tips that will aid in recovering data from digital media that will be used in criminal prosecution. This book collects data from all methods of electronic data storage and transfer devices, including computers, laptops, PDAs and the images, spreadsheets and other types of files stored on these devices. It is specific for Windows-based systems, the largest running OS in the world. The authors are world-renowned leaders in investigating and analyzing malicious code. Chapters cover malware incident response - volatile data collection and examination on a live Windows system; analysis of physical and process memory dumps for malware artifacts; post-mortem forensics - discovering and extracting malware and associated artifacts from Windows systems; legal considerations; file identification and profiling initial analysis of a suspect file on a Windows system; and analysis of a suspect program. This field guide is intended for computer forensic investigators, analysts, and specialists. A condensed hand-held guide complete with on-the-job tasks and checklists

Specific for Windows-based systems, the largest running OS in the world
Authors are world-renowned leaders in investigating and analyzing malicious code

Next.js Quick Start Guide Kirill Konshin 2018-07-26 Create, build and deploy universal JavaScript applications using Next.js Key Features Work with the entire tool-chain for developing universal Javascript applications with Next.js A straightforward guide to implementing server-side rendering Use Next.js to build SEO-friendly and super fast websites Book Description Next.js is a powerful addition to the ever-growing and dynamic JavaScript world. Built on top of React, Webpack, and Babel, it is a minimalistic framework for server-rendered universal JavaScript applications. This book will show you the best practices for building sites using Next.js, enabling you to build SEO-friendly and superfast websites. This book will guide you from building a simple single page app to a scalable and reliable client-server infrastructure. You will explore code sharing between client and server, universal modules, and server-side rendering. The book will take you through the core Next.js concepts that everyone is talking about – hot reloading, code splitting, routing, server rendering, transpilation, CSS isolation, and more. You will learn ways of implementing them in order to create your own universal JavaScript application. You will walk through the building and deployment stages of your applications with the JSON API, customizing the configuration, error handling, data fetching, deploying to production, and authentication. What you will learn Explore the benefits of server-side rendering with Next.js Create and link JavaScript modules together by understanding code splitting and bundling Create website pages and wire them together through website navigation

Extend your application with additional Webpack loaders and features, as well as custom Babel plugins and presets Use GraphQL and Apollo frameworks with Next.js to fetch data and receive push notifications Design and implement core modules, such as logging and authentication, and then more complex solutions for access control and business rule management Write tests and use online CI tools such as Travis, GitLab, and more Build a Docker-based container for your app and deploy it to online services such as Heroku and Now.sh Who this book is for This book is for JavaScript developers who want to learn how to generate server-rendered applications.

Julia 1.0 Programming Complete Reference Guide Ivo Balbaert 2019-05-20
Learn dynamic programming with Julia to build apps for data analysis, visualization, machine learning, and the web Key FeaturesLeverage Julia's high speed and efficiency to build fast, efficient applicationsPerform supervised and unsupervised machine learning and time series analysisTackle problems concurrently and in a distributed environmentBook Description Julia offers the high productivity and ease of use of Python and R with the lightning-fast speed of C++. There's never been a better time to learn this language, thanks to its large-scale adoption across a wide range of domains, including fintech, biotech and artificial intelligence (AI). You will begin by learning how to set up a running Julia platform, before exploring its various built-in types. This Learning Path walks you through two important collection types: arrays and matrices. You'll be taken through how type conversions and promotions work, and in further chapters you'll study how Julia interacts with operating systems and other languages. You'll also learn about the use of macros, what makes Julia suitable for numerical and scientific computing, and how to run external programs. Once you have grasped the basics, this Learning Path goes on to how to analyze the Iris dataset using DataFrames. While building a web scraper and a web app, you'll explore the use of functions, methods, and multiple dispatches. In the final chapters, you'll delve into machine learning, where you'll build a book recommender system. By the end of this Learning Path, you'll be well versed with Julia and have the skills you need to leverage its high speed and efficiency for your applications. This Learning Path includes content from the following Packt products: Julia 1.0 Programming - Second Edition by Ivo BalbaertJulia Programming Projects by Adrian SalceanuWhat you will learnCreate your own types to extend the built-in type systemVisualize your data in Julia with plotting packagesExplore the use of built-in macros for testing and debuggingIntegrate Julia with other languages such as C, Python, and MATLABAnalyze and manipulate datasets using Julia and DataFramesDevelop and run a web app using Julia and the HTTP packageBuild a recommendation system using supervised machine learningWho this book is for If you are a statistician or data scientist who wants

a quick course in the Julia programming language while building big data applications, this Learning Path is for you. Basic knowledge of mathematics and programming is a must.

MicroStrategy Quick Start Guide Fernando Carlos Rivero Esqueda 2018-09-28

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.

Python GUI Programming - A Complete Reference Guide Alan D. Moore 2019-06-24

Explore Python's GUI frameworks and create visually stunning and feature-rich applications Key Features Integrate stunning data visualizations using Tkinter Canvas and Matplotlib Understand the basics of 2D and 3D animation in GUI applications Explore PyQt's powerful features to easily design and customize your GUI applications Book Description A responsive graphical user interface (GUI) helps you interact with your application, improves user experience, and enhances the efficiency of your applications. With Python, you'll have access to elaborate GUI frameworks that you can use to build interactive GUIs that stand apart from the rest. This Learning Path begins by introducing you to Tkinter and PyQt, before guiding you through the application development process. As you expand your GUI by adding more widgets, you'll work with networks, databases, and graphical libraries that enhance its

functionality. You'll also learn how to connect to external databases and network resources, test your code, and maximize performance using asynchronous programming. In later chapters, you'll understand how to use the cross-platform features of Tkinter and Qt5 to maintain compatibility across platforms. You'll be able to mimic the platform-native look and feel, and build executables for deployment across popular computing platforms. By the end of this Learning Path, you'll have the skills and confidence to design and build high-end GUI applications that can solve real-world problems. This Learning Path includes content from the following Packt products: Python GUI Programming with Tkinter by Alan D. Moore Qt5 Python GUI Programming Cookbook by B. M. Harwani

What you will learn

- Visualize graphs in real time with Tkinter's animation capabilities
- Use PostgreSQL authentication to ensure data security for your application
- Write unit tests to avoid regression when updating code
- Handle different signals generated on mouse clicks using QSpinBox and sliders
- Employ network concepts, internet browsing, and Google Maps in UI
- Use graphics rendering to implement animations in your GUI

Who this book is for

If you're an intermediate Python programmer looking to enhance your coding skills by writing powerful GUIs in Python using PyQt and Tkinter, this is an ideal Learning Path for you. A strong understanding of the Python language is a must to grasp the concepts explained in this book.

Apache Superset Quick Start Guide Shashank Shekhar 2018-12-19

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.

Usenet: The Ultimate Guide Lance Henderson 2022-08-22 Usenet. It is a strange term is it not? Almost like something Neo might have used in The Matrix film. The term conjures up images of archaic bulletin boards from the 1980s in which jacking in meant astronomical charges every month. Well. No longer. Ignore those who say "Don't talk about Usenet". No longer can you afford to leave your IP address out there for the world (and lawyers) to see. You want privacy & anonymity? Come to Usenet. Learn to be a ghost in the machine called the Internet, and do it anonymously. I will teach you how in an hour, not weeks. - Learn how to use Usenet - which groups to join, which to avoid - Learn how to be anonymous online - Learn why anonymity will decrease with peer-to-peer systems but increase with Usenet - Everything you need to know to set up a Usenet account and leech to your heart's content - How to use Tor, How to use PGP, Remailers/Mixmaster, SSL. - How to use encryption (and how it preserves anonymity) - How to use a VPN with Usenet - Which Vpn and Usenet companies rat you out, and which won't. - How to Stay Anonymous Online (Be Invisible) The time is coming when politicians may try to silence the freedom Usenet offers. So dont wait for that to happen. Act now and see a wonderland of free files, data, speech and zero censorship benefits to say whatever you feel to whomever. Because now is the time! Long live Usenet!

A+ Guide to PC Operating Systems Michael W. Graves 2004-11 A+ Guide to PC Operating Systems is an easy-to-read test prep manual targeted at candidates for the CompTIA A+ Operating Systems Technologies Exam, while detailed coverage of both Windows and Linux makes this a great reference for all readers taking a PC repair course. Well-organized, this guide includes practice exam questions, hands-on exercises, as well as separate glossaries for terms and acronyms. Each chapter is highlighted with buzzwords. Exam notes and sidebars explain related issues in detail.

Desktop User Guide for MicroStrategy 10 MicroStrategy Product Manuals

2015-06-04

[The Emulation User's Guide](#) Kenneth Stevens 2008-08-29 The Emulation User's Guide has everything you need to know about getting started with computer, console and arcade emulation on the Apple Macintosh computer and PC. This guide includes the history of emulation on the Internet and covers some of the legalities involving emulation of these systems.

[Installing and Configuring SharePoint 2010 User Guide](#) Saifullah Shafiq 2012-12-18 First edition of this book was published in 2009 and VMware was used to demonstrate the installation and configuration of SharePoint 2010. VMware can still be used but Virtual Box has gained lot of popularity over the last 2 years. Virtual Box is owned by Oracle and is free. It is easy to use and configure. Most of what is written in this updated edition works for both VMware and Virtual box. I have added new content where necessary. The content has been modified to work with new downloads. New links have been provided through-out the book where needed. This step by step guide shows how to install SharePoint 2010. Each step shows a screenshot that makes understanding the step easier. Host computer used during the preparation of this guide was a Windows 7 (64-bit) machine. Guest machine used was Virtual Box 4.1.6 r74713 with Windows Server 2008 R2 (64-bit). The book lists hardware and software requirements. It has up-to-date links to download necessary software. Guide gives you tips on what to avoid during the installation. This is the most comprehensive compilation of SharePoint 2010 installation steps. This book provides users accurate links to download software. Anyone can install SharePoint but installing it the right way, first time is different. Only a few manage to do that. You don't have to waste time experimenting yourself. Learn from the mistakes others made when learning the installation. Save time, time is money!!

[Apache Kafka Quick Start Guide](#) Raúl Estrada 2018-12-27 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 text, 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.

[Elasticsearch 7 Quick Start Guide](#) Anurag Srivastava 2019-10-24
Get the most out of Elasticsearch 7's new features to build, deploy, and manage efficient applications

Key Features
Discover the new features introduced in Elasticsearch 7
Explore techniques for distributed search, indexing, and clustering
Gain hands-on knowledge of implementing Elasticsearch for your enterprise

Book Description
Elasticsearch is one of the most popular tools for distributed search and analytics. This Elasticsearch book highlights the latest features of Elasticsearch 7 and helps you understand how you can use them to build your own search applications with ease. Starting with an introduction to the Elastic Stack, this book will help you quickly get up to speed with using Elasticsearch. You'll learn how to install, configure, manage, secure, and deploy Elasticsearch clusters, as well as how to use your deployment to develop powerful search and analytics solutions. As you progress, you'll also understand how to troubleshoot any issues that you may encounter along the way. Finally, the book will help you explore the inner workings of Elasticsearch and gain insights into queries, analyzers, mappings, and aggregations as you learn to work with search results. By the end of this book, you'll have a basic understanding of how to build and deploy effective search and analytics solutions using Elasticsearch. What you will learn

Install Elasticsearch and use it to safely store data and retrieve it when needed
Work with a variety of analyzers and filters
Discover techniques to improve search results in

Elasticsearch Understand how to perform metric and bucket aggregations Implement best practices for moving clusters and applications to production Explore various techniques to secure your Elasticsearch clusters Who this book is for This book is for software developers, engineers, data architects, system administrators, and anyone who wants to get up and running with Elasticsearch 7. No prior experience with Elasticsearch is required.

Kibana 7 Quick Start Guide Anurag Srivastava 2019-01-31 A quick start guide to visualize your Elasticsearch data Key Features Your hands-on guide to visualizing the Elasticsearch data as well as navigating the Elastic stack Work with different Kibana plugins and create effective machine learning jobs using Kibana Build effective dashboards and reports without any hassle Book Description The Elastic Stack is growing rapidly and, day by day, additional tools are being added to make it more effective. This book endeavors to explain all the important aspects of Kibana, which is essential for utilizing its full potential. This book covers the core concepts of Kibana, with chapters set out in a coherent manner so that readers can advance their learning in a step-by-step manner. The focus is on a practical approach, thereby enabling the reader to apply those examples in real time for a better understanding of the concepts and to provide them with the correct skills in relation to the tool. With its succinct explanations, it is quite easy for a reader to use this book as a reference guide for learning basic to advanced implementations of Kibana. The practical examples, such as the creation of Kibana dashboards from CSV data, application RDBMS data, system metrics data, log file data, APM agents, and search results, can provide readers with a number of different drop-off points from where they can fetch any type of data into Kibana for the purpose of analysis or dashboarding. What you will learn Explore how Logstash is configured to fetch CSV data Understand how to create index patterns in Kibana Become familiar with how to apply filters on data Discover how to create ML jobs Explore how to analyze APM data from APM agents Get to grips with how to save, share, inspect, and edit visualizations Understand how to find an anomaly in data Who this book is for Kibana 7 Quick Start Guide is for developers new to Kibana who want to learn the fundamentals of using the tool for visualization, as well as existing Elastic developers.

Web Developer's Reference Guide Joshua Johanan 2016-03-28 A one-stop guide to the essentials of web development including popular frameworks such as jQuery, Bootstrap, AngularJS, and Node.js About This Book Understand the essential elements of HTML, CSS, and JavaScript, including how and when to use them Walk through three of the best and most popular web development frameworks – jQuery, Bootstrap, and AngularJS References for any function you will need in your day-to-day web development Who This

Book Is For This book is perfect for beginners but more advanced web developers will also benefit. Laid out so you can refer to as much or as little as you need to, with this book you can exhaustively explore essential concepts for modern web developers. What You Will Learn Explore detailed explanations of all the major HTML elements and attributes, illustrated with examples Take a deep dive into CSS properties and functions and master their usage Find clear, concise descriptions of JavaScript syntax and expressions Recognize various JavaScript design patterns and learn the basics of JavaScript object-orientated programming Implement the latest ECMAScript 6 for client-side scripting in your web applications Discover new ways to develop your website's front end quickly and easily using Bootstrap Write JavaScript extensibly using jQuery-JavaScript's feature-rich library Delve into the key Node.js modules used in JavaScript server-side programming Access AngularJS 's important modules, controllers, directives, and services quickly In Detail This comprehensive reference guide takes you through each topic in web development and highlights the most popular and important elements of each area. Starting with HTML, you will learn key elements and attributes and how they relate to each other. Next, you will explore CSS pseudo-classes and pseudo-elements, followed by CSS properties and functions. This will introduce you to many powerful and new selectors. You will then move on to JavaScript. This section will not just introduce functions, but will provide you with an entire reference for the language and paradigms. You will discover more about three of the most popular frameworks today—Bootstrap, which builds on CSS, jQuery which builds on JavaScript, and AngularJS, which also builds on JavaScript. Finally, you will take a walk-through Node.js, which is a server-side framework that allows you to write programs in JavaScript. Style and approach This book is an easy-to-follow, comprehensive reference guide. Each topic, function, or element is listed methodically along with parameters, return values, and descriptions. Examples are also included to help you put the concepts to use quickly in the real world.

Deep Learning with PyTorch Quick Start Guide David Julian 2018-12-24

Introduction to deep learning and PyTorch by building a convolutional neural network and recurrent neural network for real-world use cases such as image classification, transfer learning, and natural language processing. Key Features Clear and concise explanations Gives important insights into deep learning models Practical demonstration of key concepts Book Description PyTorch is extremely powerful and yet easy to learn. It provides advanced features, such as supporting multiprocessor, distributed, and parallel computation. This book is an excellent entry point for those wanting to explore deep learning with PyTorch to harness its power. This book will introduce you to the PyTorch deep learning library and teach you how to train deep learning

models without any hassle. We will set up the deep learning environment using PyTorch, and then train and deploy different types of deep learning models, such as CNN, RNN, and autoencoders. You will learn how to optimize models by tuning hyperparameters and how to use PyTorch in multiprocessor and distributed environments. We will discuss long short-term memory network (LSTMs) and build a language model to predict text. By the end of this book, you will be familiar with PyTorch's capabilities and be able to utilize the library to train your neural networks with relative ease. What you will learn

Set up the deep learning environment using the PyTorch library
Learn to build a deep learning model for image classification
Use a convolutional neural network for transfer learning
Understand to use PyTorch for natural language processing
Use a recurrent neural network to classify text
Understand how to optimize PyTorch in multiprocessor and distributed environments
Train, optimize, and deploy your neural networks for maximum accuracy and performance
Learn to deploy production-ready models

Who this book is for
Developers and Data Scientist familiar with Machine Learning but new to deep learning, or existing practitioners of deep learning who would like to use PyTorch to train their deep learning models will find this book to be useful. Having knowledge of Python programming will be an added advantage, while previous exposure to PyTorch is not needed.

D3.js Quick Start Guide Matthew Huntington 2018-09-27 This book will help you build interactive graphs that are viewable in any web browser using JavaScript, D3.js, and SVG. You will learn how to make a scatter plot, a bar graph, a pie chart, a force directed graph, and a map. Key Features

Takes you through the most common graphs you'll need
Add interactivity to your visualizations
Easy to follow builds

Book Description D3.js is a JavaScript library that allows you to create graphs and data visualizations in the browser with HTML, SVG, and CSS. This book will take you from the basics of D3.js, so that you can create your own interactive visualizations, to creating the most common graphs that you will encounter as a developer, scientist, statistician, or data scientist. The book begins with an overview of SVG, the basis for creating two-dimensional graphics in the browser. Once the reader has a firm understanding of SVG, we will tackle the basics of how to use D3.js to connect data to our SVG elements. We will start with a scatter plot that maps run data to circles on a graph, and expand our scatter plot to make it interactive. You will see how you can easily allow the users of your graph to create, edit, and delete run data by simply dragging and clicking the graph. Next, we will explore creating a bar graph, using external data from a mock API. After that, we will explore animations and motion with a bar graph, and use various physics-based forces to create a force-directed graph. Finally, we will look at how to use GeoJSON data to create a map. What you will learn

Build a scatter

plotBuild a bar graphBuild a pie chartBuild a force-directed graphBuild a mapBuild interactivity into your graphsWho this book is for This book is for web developers, interactive news developers, data scientists, and anyone interested in representing data through interactive visualizations on the Web with D3. Some basic knowledge of JavaScript is expected, but no prior experience with data visualization or D3 is required to follow this book.

WordPress Development Quick Start Guide Rakhitha Nimesh Ratnayake 2018-10-31 Learn core WordPress concepts and components to create modern WordPress-based solutions Key FeaturesLearn the foundations of WordPress development and its hook-based architectureChoose the right components for any development taskBuild flexible solutions that works with existing plugins and themesBook Description WordPress is the most used CMS in the world and is the ideal way to share your knowledge with a large audience or build a profitable business. Getting started with WordPress development has often been a challenge for novice developers, and this book will help you find your way. This book explains the components used in WordPress development, when and where to use them, and why you should be using each component in specific scenarios. You begin by learning the basic development setup and coding standards of WordPress. Then you move into the most important aspects of the theme and plugin development process. Here you will also learn how themes and plugins fit into the website while learning about a range of techniques for extending themes and plugins. With the basics covered, we explore many of the APIs provided by WordPress and how we can leverage them to build rapid solutions. Next, we move on to look at the techniques for capturing, processing, and displaying user data when integrating third-party components into the site design. Finally, you will learn how to test and deploy your work with secure and maintainable code, while providing the best performance for end users. What you will learnExplore the role of themes, plugins, and built-in features in developmentAdapt to built-in modules and built-in database structuresWrite code for WordPress's hook-based architectureBuild, customize, and integrate WordPress pluginsExtend themes with custom design templatesCapture and process data with built-in features and custom formsImprove usability with AJAX and third-party componentsManage non-functional aspects, such as security, performance, and migrationWho this book is for This book is for web developers and site owners who want to build custom websites with WordPress. Basic knowledge of PHP, JavaScript, HTML and CSS is required to get most out of this book.

Truffle Quick Start Guide Nikhil Bhaskar 2018-06-27 Develop, test, and deploy decentralized applications for Ethereum platform Key Features Build your first Ethereum Dapp with Truffle: the most popular Ethereum development framework Build, compile, and deploy smart contracts in your development

environment Embrace Blockchains and utilize it to create new generation of secured and scalable apps

Book Description Truffle is a world-class development environment, testing framework and asset pipeline for Ethereum, aiming to make life as an Ethereum developer easier. If you are a web developer wanting to try your hand at developing Dapps with Truffle, then this is the book for you. This book will teach you to write smart contracts and build Dapps with Truffle. You will begin with covering the basics of Truffle, briefly explaining how it integrates Solidity and Web3, in order to start building a mini decentralized application. Also, you will dive into migration, testing and integrating Truffle with the use of popular JavaScript frameworks. Lastly, you will ship your decentralized application and package it into a product. Moreover, you will go through the best practices in Truffle, so as to increase your proficiency in building Dapps with Truffle. By the end of the book, you will be able to write smart contracts and build decentralized applications with Truffle on Ethereum blockchains.

What you will learn

- Understand the fundamentals of Truffle and Web3
- Build a decentralized application with Truffle, while choosing the correct Ethereum client
- Connect your Dapp to Ethereum clients including Geth, Parity, and Ganache
- Migrate and test your Dapp with the correct networks such as Ropsten and Rinkeby
- Package a decentralized application into a user-friendly product by integrating Truffle with JavaScript frameworks such as Angular, React and Vue
- Explore tools including Ethereum Package Manager, the Registrar and browser wallets, and exploit third-party smart contract libraries.
- Evaluate the common migration pitfalls and how to mitigate them

Who this book is for This book is for web developers who are interested in the new world blockchain. Some basic understanding of JavaScript and web services is required. No prior knowledge of Decentralized applications or blockchain is required.

AWS Lambda Quick Start Guide Markus Klems 2018-06-29 Discover techniques and tools for building serverless applications with AWS Lambda

Key Features Learn to write, run, and deploy Lambda functions in the AWS cloud Make the most of AWS Lambda functions to build scalable and cost-efficient systems A practical guide to developing serverless services and applications in Node.js, Java, Python, and C#

Book Description AWS Lambda is a part of AWS that lets you run your code without provisioning or managing servers. This enables you to deploy applications and backend services that operate with no upfront cost. This book gets you up to speed on how to build scalable systems and deploy serverless applications with AWS Lambda. The book starts with the fundamental concepts of AWS Lambda, and then teaches you how to combine your applications with other AWS services, such as AmazonAPI Gateway and DynamoDB. This book will also give a quick walk through on how to use the Serverless Framework to build larger applications

that can structure code or autogenerate boilerplate code that can be used to get started quickly for increased productivity. Toward the end of the book, you will learn how to write, run, and test Lambda functions using Node.js, Java, Python, and C#. What you will learn Understand the fundamental concepts of AWS Lambda Get to grips with the Serverless Framework and how to create a serverless project Testing and debugging Lambda functions Create a stateful, serverless backend with DynamoDB Program AWS Lambda with Java, Python, and C# Program a lambda function with Node.js Who this book is for This book is primarily for IT architects and developers who want to build scalable systems and deploy serverless applications with AWS Lambda. No prior knowledge of AWS is necessary.

Create React App 2 Quick Start Guide Brandon Richey 2019-02-27 Integrate your React applications with React to build efficient web services. Key Features Learn React by building applications with Create React App Create interactive UIs exploring the latest feature of CRA 2.0 Build Progressive Web Applications for a more seamless web Book Description If you're a power user and you aren't happy always reusing default configurations, from previous applications with each new application, then all you need is Create React App (CRA), a tool in the React ecosystem designed to help you create boilerplate code for building a web frontend. This book will help you use CRA to write React programs without significant configuration-related difficulties. With this quick start guide, you will integrate your applications with React to build efficient professional web services. You will learn to design UIs with the features of CRA and template your React applications. By the end of the book, you will be sufficiently skilled to be able to build faster and effective React apps using CRA. What you will learn Become familiar with React by building applications with Create React App Make your frontend development hassle free Create interactive UIs exploring the latest features of CRA 2 Build modern, React projects with, SASS, and progressive web applications Develop proxy backend servers and simulate interaction with a full backend Keep your application fully tested and maintain confidence in your project Who this book is for The book is intended for the web developers who want to jump into building great frontend with React using easy templating solutions.

Vue CLI 3 Quick Start Guide Ajdin Imsirovic 2019-05-02 Build Vue apps the right way using Vue CLI 3. Understand how the building blocks of Vue CLI 3 work including npm, webpack, babel, eslint, plugins, GUI, testing, and SCSS. Import third-party libraries and maintain your project. Key Features Learn to work with Vue CLI 3 both on the command line and with a GUI Manage VueJS apps, settings, Vue plugins, and third-party libraries Learn how to build Vue apps from scratch using webpack, babel, ES6, vue-router, Jest, Cypress, SCSS, and Git Book Description The sprawling landscape of various tools in

JavaScript web development is becoming overwhelming. This book will show you how Vue CLI 3 can help you take back control of the tool chain. To that end, we'll begin by configuring webpack, utilizing HMR, and using single-file .vue components. We'll also use SCSS, ECMAScript, and TypeScript. We'll unit test with Jest and perform E2E testing with Cypress. This book will show you how to configure Vue CLI as your default way of building Vue projects. You'll discover the reasons behind using webpack, babel, eslint, and other modern JavaScript toolchain technologies. You'll learn about the inner workings of each through the lens of Vue CLI 3. We'll explore the extendibility of Vue CLI with the built-in settings, and various core and third-party plugins. Vue CLI helps you work with Vue components, routers, directives, and services in the Vue ecosystem. While learning these concepts, you'll examine the evolution of JavaScript. You'll learn about use of npm, IIFEs, modules in JavaScript, Common.js modules, task runners, npm scripts, module bundlers, and webpack. You'll get familiar with the reasons why Vue CLI 3 is set up the way it is. You'll also learn to perform linting with ESLint and Prettier. Towards the end, we'll introduce you to working with styles and SCSS. Finally, we'll show you how to deploy your very own Vue project on Github Pages. What you will learn

Work with nvm, install Node.js and npm, use Vue CLI 3 with no configuration, via the command line and the graphical user interface

Build a Vue project from scratch using npm and webpack, and learn about hot module replacement

Work with Babel settings, configurations, and presets

Work with Vue plugins, including testing plugins such as Jest and Cypress

Write, run, and watch unit and E2E tests using TDD assertions in the red-green-refactor cycle

Work with Vue router and use, nested, lazy-loading, and dynamic routes

Add SCSS to your projects and work with third-party Vue plugins

Deploy your Vue apps to Github Pages

Who this book is for This book is for existing web developers and developers who are new to web development. You must be familiar with HTML, CSS, and JavaScript programming. Basic knowledge of the command line will be helpful but is not necessary.

The 'No Assumptions' Guide to Windows XP Mark Wheeldin 2005

Autodesk Maya 2011: A Comprehensive guide

R Web Scraping Quick Start Guide Olgun Aydin 2018-10-31 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 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 R
- selenium 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.

Winrar 31 Success Secrets - 31 Most Asked Questions on Winrar - What You Need to Know Benjamin Underwood 2014-11-21 An Unbeatable WinRAR Guide. There has never been a WinRAR Guide like this. It contains 31 answers, much more than you can imagine; comprehensive answers and extensive details and references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about WinRAR. A quick look inside of some of the subjects covered: WinRAR - Overview, RAR (file format), .RAR, Nagware, Proprietary format - Closed Proprietary Formats, .r01 - Creating RAR files, Cabinet (file format) - Software, RAR (file format) - File format, .r01 - File format, RAR (file format) - Older Operating Systems support, TUGZip - Supported formats, Criticism of Windows Vista - Speed, .r01 - Versions, List of inventors - R, FreeArc - Speed, File archiver - Windows archives, Comparison of file archivers - Archiver features, FreeArc - Archive size, Eugene Roshal, Self-extracting archive - Overview, RAR (file format) - Versions, WinAce, WinRAR - Features, Proprietary software - Examples, List of file formats - Archive and compressed, WinRAR - Version history, Closed source software - Examples, WinRAR - Easter eggs, Binary and text files - Archive and compressed, WinRAR - Languages, and much more...

Apache Spark Quick Start Guide Shrey Mehrotra 2019-01-31 A practical guide

for solving complex data processing challenges by applying the best optimizations techniques in Apache Spark. Key Features Learn about the core concepts and the latest developments in Apache Spark Master writing efficient big data applications with Spark's built-in modules for SQL, Streaming, Machine Learning and Graph analysis Get introduced to a variety of optimizations based on the actual experience Book Description Apache Spark is a flexible framework that allows processing of batch and real-time data. Its unified engine has made it quite popular for big data use cases. This book will help you to get started with Apache Spark 2.0 and write big data applications for a variety of use cases. It will also introduce you to Apache Spark – one of the most popular Big Data processing frameworks. Although this book is intended to help you get started with Apache Spark, but it also focuses on explaining the core concepts. This practical guide provides a quick start to the Spark 2.0 architecture and its components. It teaches you how to set up Spark on your local machine. As we move ahead, you will be introduced to resilient distributed datasets (RDDs) and DataFrame APIs, and their corresponding transformations and actions. Then, we move on to the life cycle of a Spark application and learn about the techniques used to debug slow-running applications. You will also go through Spark's built-in modules for SQL, streaming, machine learning, and graph analysis. Finally, the book will lay out the best practices and optimization techniques that are key for writing efficient Spark applications. By the end of this book, you will have a sound fundamental understanding of the Apache Spark framework and you will be able to write and optimize Spark applications. What you will learn Learn core concepts such as RDDs, DataFrames, transformations, and more Set up a Spark development environment Choose the right APIs for your applications Understand Spark's architecture and the execution flow of a Spark application Explore built-in modules for SQL, streaming, ML, and graph analysis Optimize your Spark job for better performance Who this book is for If you are a big data enthusiast and love processing huge amount of data, this book is for you. If you are data engineer and looking for the best optimization techniques for your Spark applications, then you will find this book helpful. This book also helps data scientists who want to implement their machine learning algorithms in Spark. You need to have a basic understanding of any one of the programming languages such as Scala, Python or Java.

fastText Quick Start Guide Joydeep Bhattacharjee 2018-07-26 Perform efficient fast text representation and classification with Facebook's fastText library Key Features Introduction to Facebook's fastText library for NLP Perform efficient word representations, sentence classification, vector representation Build better, more scalable solutions for text representation and classification Book Description Facebook's fastText library handles text

representation and classification, used for Natural Language Processing (NLP). Most organizations have to deal with enormous amounts of text data on a daily basis, and gaining efficient data insights requires powerful NLP tools such as fastText. This book is your ideal introduction to fastText. You will learn how to create fastText models from the command line, without the need for complicated code. You will explore the algorithms that fastText is built on and how to use them for word representation and text classification. Next, you will use fastText in conjunction with other popular libraries and frameworks such as Keras, TensorFlow, and PyTorch. Finally, you will deploy fastText models to mobile devices. By the end of this book, you will have all the required knowledge to use fastText in your own applications at work or in projects.

What you will learn

- Create models using the default command line options in fastText
- Understand the algorithms used in fastText to create word vectors
- Combine command line text transformation capabilities and the fastText library to implement a training, validation, and prediction pipeline
- Explore word representation and sentence classification using fastText
- Use Gensim and spaCy to load the vectors, transform, lemmatize, and perform other NLP tasks efficiently
- Develop a fastText NLP classifier using popular frameworks, such as Keras, Tensorflow, and PyTorch

Who this book is for

This book is for data analysts, data scientists, and machine learning developers who want to perform efficient word representation and sentence classification using Facebook's fastText library. Basic knowledge of Python programming is required.

Vuex Quick Start Guide Andrea Koutifaris 2018-04-11

Develop consistent web apps with Vuex by easily centralizing the state of your application

Key Features

- Uncover the hidden features of Vuex to build applications that are powerful, consistent, and maintainable
- Enforce a Flux-like application architecture in your Vue application
- Test your Vuex elements and Vue components using Karma/Jasmine testing framework

Book Description

State management preserves the state of controls in a user interface. Vuex is a state management tool for Vue.js that makes the architecture easier to understand, maintain and evolve. This book is the easiest way to get started with Vuex to improve your Vue.js application architecture and overall user experience. Our book begins by explaining the problem that Vuex solves, and how it helps your applications. You will learn about the Vuex core concepts, including the Vuex store, changing application state, carrying out asynchronous operations and persisting state changes, all with an eye to scalability. You will learn how to test Vuex elements and Vue components with the Karma and Jasmine testing frameworks. You will see this in the context of a testing first approach, following the fundamentals of Test Driven Development. TDD will help you to identify which components need testing and how to test them. You will build a

full Vuex application by creating the application components and services, and persist the state. Vuex comes with a plugin system that allows programmers to extend Vuex features. You will learn about some of the most powerful plugins, and make use of the built-in logger plugin. You write a custom Google Analytics plugin to send actions to its analytics API, and an Undo/Redo plugin. What you will learn Moving from classical MVC to a Flux-like architecture Implementing predictable centralized state management in your applications using Vuex Using ECMAScript 6 features for developing a real application Using webpack in conjunction with Vue single file components Testing your Vue/Vuex applications using Karma/Jasmine and inject-loader Simple and effective Test Driven Development Extending your application with Vuex plugins Who this book is for If you are a JavaScript developer, working on Vue.js and want to extend your web development skills to develop and maintain bigger applications using state management, then this book is for you. No knowledge of Vuex is required.

Security Tokens and Stablecoins Quick Start Guide Weimin Sun 2019-04-30 A complete guide to understanding, developing, and testing popular security-token smart contracts Key Features Understand key Blockchain and Ethereum platforms concepts Step-by-step guide to developing STO smart contracts on Ethereum Monetize digital tokens under various U.S. securities laws Book Description The failure of initial coin offerings (ICOs) is no accident, as most ICOs do not link to a real asset and are not regulated. Realizing the shortcomings of ICOs, the blockchain community and potential investors embraced security token offerings (STOs) and stablecoins enthusiastically. In this book, we start with an overview of the blockchain technology along with its basic concepts. We introduce the concept behind STO, and cover the basic requirements for launching a STO and the relevant regulations governing its issuance. We discuss U.S. securities laws development in launching security digital tokens using blockchain technology and show some real use cases. We also explore the process of STO launches and legal considerations. We introduce popular security tokens in the current blockchain space and talk about how to develop a security token DApp, including smart contract development for ERC1404 tokens. Later, you'll learn to build frontend side functionalities to interact with smart contracts. Finally, we discuss stablecoin technical design functionalities for issuing and operating STO tokens by interacting with Ethereum smart contracts. By the end of this book, you will have learned more about STOs and gained a detailed knowledge of building relevant applications—all with the help of practical examples. What you will learn Understand the basic requirements for launching a security token offering Explore various US securities laws governing the offering of security digital tokens Get to grips with the stablecoin concept with the help of use

cases Learn how to develop security token decentralized applications Understand the difference between ERC-20 and ERC-721 tokens Learn how to set up a development environment and build security tokens Explore the technical design of stablecoins Who this book is for This book is ideal for blockchain beginners and business user developers who want to quickly master popular Security Token Offerings and stablecoins. Readers will learn how to develop blockchain/digital cryptos, guided by U.S. securities laws and utilizing some real use cases. Prior exposure to an Object-Oriented Programming language such as JavaScript would be an advantage, but is not mandatory.

Redux Quick Start Guide James Lee 2019-02-28 Integrate Redux with React and other front-end JavaScript frameworks efficiently and manage application states effectively Key Features Get better at building web applications with state management using Redux Learn the fundamentals of Redux to structure your app more efficiently This guide will teach you develop complex apps that would be easier to maintain Book Description Starting with a detailed overview of Redux, we will follow the test-driven development (TDD) approach to develop single-page applications. We will set up JEST for testing and use JEST to test React, Redux, Redux-Saga, Reducers, and other components. We will then add important middleware and set up immutableJS in our application. We will use common data structures such as Map, List, Set, and OrderedList from the immutableJS framework. We will then add user interfaces using ReactJS, Redux-Form, and Ant Design. We will explore the use of react-router-dom and its functions. We will create a list of routes that we will need in order to create our application, and explore routing on the server site and create the required routes for our application. We will then debug our application and integrate Redux Dev tools. We will then set up our API server and create the API required for our application. We will dive into a modern approach to structuring our server site components in terms of Model, Controller, Helper functions, and utilities functions. We will explore the use of NodeJS with Express to build the REST API components. Finally, we will venture into the possibilities of extending the application for further research, including deployment and optimization. What you will learn Follow the test-driven development (TDD) approach to develop a single-page application Add important middleware, such as Redux store middleware, redux-saga middleware, and language middleware, to your application Understand how to use immutableJS in your application Build interactive components using ReactJS Configure react-router-redux and explore the differences between react-router-dom and react-router-redux Use Redux Dev tools to debug your application Set up our API server and create the API required for our application Who this book is for This book is meant for JavaScript developers

interesting in learning state management and building easy to maintain web applications.

Oracle Blockchain Quick Start Guide Vivek Acharya 2019-09-06 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

Data Science with SQL Server Quick Start Guide Dejan Sarka 2018-08-31 Get unique insights from your data by combining the power of SQL Server, R and Python Key Features Use the features of SQL Server 2017 to implement the

data science project life cycle Leverage the power of R and Python to design and develop efficient data models find unique insights from your data with powerful techniques for data preprocessing and analysis Book Description SQL Server only started to fully support data science with its two most recent editions. If you are a professional from both worlds, SQL Server and data science, and interested in using SQL Server and Machine Learning (ML) Services for your projects, then this is the ideal book for you. This book is the ideal introduction to data science with Microsoft SQL Server and In-Database ML Services. It covers all stages of a data science project, from business and data understanding, through data overview, data preparation, modeling and using algorithms, model evaluation, and deployment. You will learn to use the engines and languages that come with SQL Server, including ML Services with R and Python languages and Transact-SQL. You will also learn how to choose which algorithm to use for which task, and learn the working of each algorithm. What you will learn Use the popular programming languages, T-SQL, R, and Python, for data science Understand your data with queries and introductory statistics Create and enhance the datasets for ML Visualize and analyze data using basic and advanced graphs Explore ML using unsupervised and supervised models Deploy models in SQL Server and perform predictions Who this book is for SQL Server professionals who want to start with data science, and data scientists who would like to start using SQL Server in their projects will find this book to be useful. Prior exposure to SQL Server will be helpful.