

Access Free Postgresql Up And Running Pdf Free Copy

Prometheus: Up & Running Jul 22 2020 Get up to speed with Prometheus, the metrics-based monitoring system used in production by tens of thousands of organizations. This updated second edition provides site reliability engineers, Kubernetes administrators, and software developers with a hands-on introduction to the most important aspects of Prometheus, including dashboarding and alerting, direct code instrumentation, and metric collection from third-party systems with exporters. Prometheus server maintainer Julien Pivotto and core developer Brian Brazil demonstrate how you can use Prometheus for application and infrastructure monitoring. This book guides you through Prometheus setup, the Node Exporter, and the Alertmanager, and then shows you how to use these tools for application and infrastructure monitoring. You'll understand why this open source system has continued to gain popularity in recent years. You will: Know where and how much instrumentation to apply to your

application code Monitor your infrastructure with Node Exporter and use new collectors for network system pressure metrics Get an introduction to Grafana, a popular tool for building dashboards Use service discovery and the new HTTP SD monitoring system to provide different views of your machines and services Use Prometheus with Kubernetes and examine exporters you can use with containers Discover Prom's new improvements and features, including trigonometry functions Learn how Prometheus supports important security features including TLS and basic authentication

Shut Up and Run Apr 11 2022 An ultra marathoner and running coach captures the energy and joy of running in this illustrated, full-color motivational interactive fitness guide and journal that will inspire every type of runner—from beginner to experienced marathoner—to shut up and run. Running isn't just an activity, it's a lifestyle that connects runners with the world around them, whether they're pounding the pavement of crowded big city streets or traversing trails through quiet woods and fields. Reflecting the excitement, color, and focus of the running experience, Shut Up and Run offers tips, tricks, and

visual motivation to help every runner cultivate miles of sweat, laughter, swagger, and friendship. Combining a fitness manual, training program, and self-help advice book in one, this gorgeous, four-color book—filled with anecdotes and stunning action imagery, and supported by graphic inspirational quotes—contains essential training tips for every level, including meditation and visualization techniques, that address a runner's body and mind. Robin Arzon offers unique style tips and practical gear recommendations to help you show off your best stuff mile after mile, and tells you everything you need to know, from how to pick the best running shoes to how to get off that sofa and go. No detail is left to chance; Shut Up and Run is loaded with information on every aspect of the runner's world, from gear and music to training for a half marathon and post-race recovery tips. Robin includes space at the end of each chapter to track your progress as you build up to your first marathon or other running goals. Designed to help readers find the information quickly and easily, loaded with practical advice, style, and attitude, this practical guide—written by a runner for runners—makes it clear that to succeed, all

you need to do is shut up and run!

Vue.js: Up and Running Nov 06 2021 Get a brisk introduction to building fast, interactive single-page web applications with Vue.js, the popular JavaScript framework that organizes and simplifies web development. With this practical guide, you'll quickly move from basics to custom components and advanced features—including JSX, the JavaScript syntax extension. Author Callum Macrae shows you how to use the most useful libraries in the Vue ecosystem, such as vue-router for routing, vuex for state management, and vue-test-utils for testing. If you're a frontend developer familiar with JavaScript, HTML, and CSS, this book will show you how to develop a fully featured web application using Vue. Learn Vue.js basics, including its use of templates to display data on a page Set up Vue projects from scratch, or use vue-cli to set up from a template Create a maintainable codebase by splitting code into self-contained components Discover how Vue.js works with CSS to style your websites and applications Use render functions and JSX, rather than templates, to determine what Vue displays Control how code is executed and displayed with vue-router Manage state in one

centralized place with the Vuex library
Write unit tests to ensure your Vue
components don't break in the future

Microservices: Up and Running Jan 28 2021
Microservices architectures offer faster
change speeds, better scalability, and
cleaner, evolvable system designs. But
implementing your first microservices
architecture is difficult. How do you make
myriad choices, educate your team on all the
technical details, and navigate the
organization to a successful execution to
maximize your chance of success? With this
book, authors Ronnie Mitra and Irakli
Nadareishvili provide step-by-step guidance
for building an effective microservices
architecture. Architects and engineers will
follow an implementation journey based on
techniques and architectures that have
proven to work for microservices systems.
You'll build an operating model, a
microservices design, an infrastructure
foundation, and two working microservices,
then put those pieces together as a single
implementation. For anyone tasked with
building microservices or a microservices
architecture, this guide is invaluable.
Learn an effective and explicit end-to-end
microservices system design Define teams,

their responsibilities, and guidelines for working together Understand how to slice a big application into a collection of microservices Examine how to isolate and embed data into corresponding microservices Build a simple yet powerful CI/CD pipeline for infrastructure changes Write code for sample microservices Deploy a working microservices application on Amazon Web Services

Up and Running - Opening a Chiropractic Office Mar 10 2022 "Up and Running" is a tremendous tool for the "soon to be" or new chiropractor. Easy to read, honest, and right to the point, this book will take you through the necessary steps of opening a successful chiropractic office. Everything from picking a practice location and negotiating an office lease, to the preparation of office forms and patient management is covered in this very informative book.

Laravel: Up & Running Jun 13 2022 What sets Laravel apart from other PHP web frameworks? Speed and simplicity, for starters. This rapid application development framework and its ecosystem of tools let you quickly build new sites and applications with clean, readable code. Fully updated to cover

Laravel 5.8, the second edition of this practical guide provides the definitive introduction to one of today's most popular web frameworks. Matt Stauffer, a leading teacher and developer in the Laravel community, delivers a high-level overview and concrete examples to help experienced PHP web developers get started with this framework right away. This updated edition also covers Laravel Dusk and Horizon and provides information about community resources and other noncore Laravel packages. Dive into features, including: Blade, Laravel's powerful custom templating tool Tools for gathering, validating, normalizing, and filtering user-provided data The Eloquent ORM for working with application databases The role of the Illuminate request object in the application lifecycle PHPUnit, Mockery, and Dusk for testing your PHP code Tools for writing JSON and RESTful APIs Interfaces for filesystem access, sessions, cookies, caches, and search Tools for implementing queues, jobs, events, and WebSocket event publishing

The Savvy Studio Owner May 12 2022 The Savvy Studio Owner details all aspects of starting and running a professional sound-recording studio, from smaller project-style

facilities to million-dollar majors. The authors discuss the business and engineering aspects of operating a studio logically and chronologically, starting with initial considerations and continuing through planning, startup, and expansion. From business structures, financing, and government regulations to marketing, taxes, and long-term financial planning, the information in *The Savvy Studio Owner* is based on detailed research and sound practices in the recording industry. The practical "how-to" style presents numerous examples and applications from the business and sound-recording worlds. Even if you have no prior business or sound-recording experience, *The Savvy Studio Owner* will let you research, start, and succeed in creating a sound-recording studio. Book jacket.

Terraform: Up & Running May 24 2023

Terraform has become a key player in the DevOps world for defining, launching, and managing infrastructure as code (IaC) across a variety of cloud and virtualization platforms, including AWS, Google Cloud, Azure, and more. This hands-on second edition, expanded and thoroughly updated for Terraform version 0.12 and beyond, shows you the fastest way to get up and running.

Gruntwork cofounder Yevgeniy (Jim) Brikman walks you through code examples that demonstrate Terraform's simple, declarative programming language for deploying and managing infrastructure with a few commands. Veteran sysadmins, DevOps engineers, and novice developers will quickly go from Terraform basics to running a full stack that can support a massive amount of traffic and a large team of developers. Explore changes from Terraform 0.9 through 0.12, including backends, workspaces, and first-class expressions Learn how to write production-grade Terraform modules Dive into manual and automated testing for Terraform code Compare Terraform to Chef, Puppet, Ansible, CloudFormation, and Salt Stack Deploy server clusters, load balancers, and databases Use Terraform to manage the state of your infrastructure Create reusable infrastructure with Terraform modules Use advanced Terraform syntax to achieve zero-downtime deployment

Metabase Up and Running Nov 25 2020 Ask questions of your data and gain insights to make better business decisions using the open source business intelligence tool, Metabase Key Features Deploy Metabase applications to let users across your

organization interact with itLearn to create data visualizations, charts, reports, and dashboards with the help of a variety of examplesUnderstand how to embed Metabase into your website and send out reports automatically using email and SlackBook Description Metabase is an open source business intelligence tool that helps you use data to answer questions about your business. This book will give you a detailed introduction to using Metabase in your organization to get the most value from your data. You'll start by installing and setting up Metabase on your local computer. You'll then progress to handling the administration aspect of Metabase by learning how to configure and deploy Metabase, manage accounts, and execute administrative tasks such as adding users and creating permissions and metadata. Complete with examples and detailed instructions, this book shows you how to create different visualizations, charts, and dashboards to gain insights from your data. As you advance, you'll learn how to share the results with peers in your organization and cover production-related aspects such as embedding Metabase and auditing performance. Throughout the book, you'll explore the

entire data analytics process—from connecting your data sources, visualizing data, and creating dashboards through to daily reporting. By the end of this book, you'll be ready to implement Metabase as an integral tool in your organization. What you will learn

Explore different types of databases and find out how to connect them to Metabase

Deploy and host Metabase securely using Amazon Web Services

Use Metabase's user interface to filter and aggregate data on single and multiple tables

Become a Metabase admin by learning how to add users and create permissions

Answer critical questions for your organization by using the Notebook editor and writing SQL queries

Use the search functionality to search through tables, dashboards, and metrics

Who this book is for

This book is for business analysts, data analysts, data scientists, and other professionals who want to become well-versed with business intelligence and analytics using Metabase. This book will also appeal to anyone who wants to understand their data to extract meaningful insights with the help of practical examples. A basic understanding of data handling and processing is necessary to get started with this book.

Ubuntu Aug 15 2022 A guide to Ubuntu covers

such topics as installation, configuration, the filesystem, the command line, system maintenance and security, networking, using OpenOffice.org, Web browsing, and playing games.

Up and Running with DB2 on Linux Sep 04 2021 Linux® is one of the fastest growing server operating platforms within the past few years. DB2® has long been known for its technology leadership. This IBM® Redbooks® publication is an informative guide that describes how to effectively integrate DB2 for Linux, UNIX®, and Windows® (LUW) with SUSE and Red Hat Linux operating systems. This book provides both introductory and detailed information about installing, configuring, managing, and monitoring DB2 in a Linux environment. We describe the DB2 product family and features for Linux, and we provide step-by-step instructions for a single as well as for a multiple partition DB2 system installation and configuration. We discuss how to migrate single and multiple partition DB2 to DB2 Version 9.5, and discuss, in detail, DB2 database administration in a Linux environment, procedures and tools for database backup and recovery, online maintenance, and system monitoring. We cover DB2 integrated tools

and their features and use. We discuss aspects of DB2 application development in the Linux environment and provide general tips about building and running DB2 applications on Linux and the use of DB2 application development tools.

WebGL: Up and Running Apr 30 2021 Presents an introduction to WebGL development and production concepts to create full 3D applications.

gRPC: Up and Running Sep 16 2022 Get a comprehensive understanding of gRPC fundamentals through real-world examples. With this practical guide, you'll learn how this high-performance interprocess communication protocol is capable of connecting polyglot services in microservices architecture, while providing a rich framework for defining service contracts and data types. Complete with hands-on examples written in Go, Java, Node, and Python, this book also covers the essential techniques and best practices to use gRPC in production systems. Authors Kasun Indrasiri and Danesh Kuruppu discuss the importance of gRPC in the context of microservices development.

Up and Running Jun 01 2021

Laravel: Up & Running Aug 23 2020 What sets

Laravel apart from other PHP web frameworks? Speed and simplicity, for starters. This rapid application development framework and its ecosystem of tools let you quickly build new sites and applications with clean, readable code. Fully updated to cover Laravel 5.8, the second edition of this practical guide provides the definitive introduction to one of today's most popular web frameworks. Matt Stauffer, a leading teacher and developer in the Laravel community, delivers a high-level overview and concrete examples to help experienced PHP web developers get started with this framework right away. This updated edition also covers Laravel Dusk and Horizon and provides information about community resources and other noncore Laravel packages. Dive into features, including: Blade, Laravel's powerful custom templating tool Tools for gathering, validating, normalizing, and filtering user-provided data The Eloquent ORM for working with application databases The role of the Illuminate request object in the application lifecycle PHPUnit, Mockery, and Dusk for testing your PHP code Tools for writing JSON and RESTful APIs Interfaces for filesystem access, sessions, cookies, caches, and

search Tools for implementing queues, jobs, events, and WebSocket event publishing

Angular: Up and Running Oct 17 2022 This book will demystify Angular as a framework, as well as provide clear instructions and examples on how to get started with writing scalable Angular applications. Angular: Up & Running covers most of the major pieces of Angular, but in a structured manner that is generally used in hands-on training. Each chapter takes one concept, and use examples to cover how it works. Problems to work on (with solutions) at the end of each chapter reinforce the learnings of each chapter and allow readers to really get hands-on with Angular.

Consul: Up and Running Apr 18 2020 With the advent of microservices, Kubernetes, public cloud, and hybrid computing, site reliability and DevOps engineers are facing more complexity than ever before. Service mesh is an exciting new technology that promises to help tackle this complexity. A service mesh provides you with a unified control plane to manage application networking across these distinct platforms. With this definitive guide, you'll learn how to automate networking for simple and secure application delivery with Consul. Author

Luke Kysow, Consul engineer at HashiCorp, demonstrates how this service mesh solution provides a software-driven approach to security, observability, reliability, and traffic management. Once you learn how to deploy Consul on multiple platforms, you'll be able to take control of application traffic, prevent outages, view metrics, integrate with legacy systems, and more. Dive into the characteristics of service meshes, zero trust networking, and traffic-shaping patterns Deploy Consul on Kubernetes and virtual machines Learn how to secure, monitor, and manage your application traffic with Consul Use this guide to deploy and operate applications as a platform operator, DevOps engineer, or developer

Docker: Up & Running Oct 25 2020 Docker and Linux containers have fundamentally changed the way that organizations develop, deliver, and run software at scale. But understanding why these tools are important and how they can be successfully integrated into your organization's ecosystem can be challenging. This fully updated guide provides developers, operators, architects, and technical managers with a thorough understanding of the Docker tool set and how containers can improve almost every aspect

of modern software delivery and management. This edition includes significant updates to the examples and explanations that reflect the substantial changes that have occurred since Docker was first released almost a decade ago. Sean Kane and Karl Matthias have updated the text to reflect best practices and to provide additional coverage of new features like BuildKit, multi-architecture image support, rootless containers, and much more. Learn how Docker and Linux containers integrate with cloud services and Kubernetes Experience building OCI images, plus deploying and managing Linux containers with powerful command-line tools Understand how OCI images simplify dependency management and deployment workflow for your applications Learn practical techniques for deploying and testing Linux containers in production Deploy production containers at scale wherever you need them Explore advanced Docker topics, including deployment tools, networking, orchestration, security, and configuration

Kubernetes: Up and Running Dec 27 2020 In just five years, Kubernetes has radically changed the way developers and ops personnel build, deploy, and maintain applications in the cloud. With this book's updated third

edition, you'll learn how this popular container orchestrator can help your company achieve new levels of velocity, agility, reliability, and efficiency--whether you're new to distributed systems or have been deploying cloud native apps for some time. Brendan Burns, Joe Beda, Kelsey Hightower, and Lachlan Evenson--who have worked on Kubernetes at Google and beyond--explain how this system fits into the life cycle of a distributed application. Software developers, engineers, and architects will learn ways to use tools and APIs to automate scalable distributed systems for online services, machine learning applications, or even a cluster of Raspberry Pi computers. This guide shows you how to: Create a simple cluster to learn how Kubernetes works Dive into the details of deploying an application using Kubernetes Learn specialized objects in Kubernetes, such as DaemonSets, jobs, ConfigMaps, and secrets Explore deployments that tie together the lifecycle of a complete application Get practical examples of how to develop and deploy real-world applications in Kubernetes

Up and Running with AutoCAD 2022 Feb 26
2021 Up and Running with AutoCAD 2022: 2D
and 3D Drawing, Design and Modeling presents

a combination of step-by-step instruction, examples and insightful explanations. The book emphasizes core concepts and practical application of AutoCAD in engineering, architecture and design. Equally useful in instructor-led classroom training, self-study or as a professional reference, the book is written by a long-time AutoCAD professor and instructor with the user in mind. Strips away complexities and reduces AutoCAD to easy-to-understand, basic concepts Teaches the essentials of operating AutoCAD that build student confidence Documents commands with step-by-step explanations, including what the student needs to type in and how AutoCAD responds Combines 2D and 3D content in one affordable volume Includes new exercises and projects

Up and Running in 30 Days Jan 08 2022 The history of development is one marked by insecurities, violence, and persistent conflict. It is not surprising, therefore, that development is now thought of as one of the central challenges of world politics. However, its complexities are often overlooked in scholarly analysis and among policy practitioners, who tend to adopt a technocratic approach to the crisis of development and violence. This book brings

together a wide range of contributions aimed at investigating different aspects of the history of development and violence, and its implications for contemporary efforts to consolidate the development-security nexus. From environmental concerns, through vigilante citizenship, to the legacies of armed conflicts during and after decolonization, the different chapters reconstruct the contradictory history of development and critically engage contemporary responses and their implications for social and political analyses. In examining violence and insecurity in relation to core organising principles of world politics the contributors engage the problems associated with the nation state and the inter-state system and underlying assumptions of the promises of progress. The book offers a range of perspectives on the contradictions of development, and on how domination, violence and resistance have been conceived. At the same time it exemplifies the relevance of alternative methodological and conceptual approaches to contemporary challenges of development. This book was published as a special issue of Third World Quarterly .

Up and Running Jul 26 2023 Patinkin shares the gripping story of a young boy's battle with a life-threatening illness and how a community fought to save him.

React: Up & Running Feb 09 2022 Hit the ground running with React, the open-source technology from Facebook for building rich web applications fast. With this practical guide, Yahoo! web developer Stoyan Stefanov teaches you how to build components—React's basic building blocks—and organize them into maintainable, large-scale apps. If you're familiar with basic JavaScript syntax, you're ready to get started. Once you understand how React works, you'll build a complete custom Whinepad app that helps users rate wines and keep notes. You'll quickly learn why some developers consider React the key to the web app development puzzle. Set up React and write your first "Hello world" web app Create and use custom React components alongside generic DOM components Build a data table component that lets you edit, sort, search, and export its contents Use the JSX syntax extension as an alternative to function calls Set up a lean, low-level build process that helps you focus on React Build a complete custom app that lets you store data on the client Use

ESLint, Flow, and Jest tools to check and test your code as your app evolves Manage communication between components with Flux

Spock: Up and Running Feb 21 2023 Most developers would agree that writing automated tests is a good idea, but writing good, well-structured tests is still an elusive skill for many. For Java and Groovy developers, however, there's good news. This practical guide shows you how to write concise and highly readable tests with Spock, the most innovative testing and specification framework for the JVM since JUnit. Author Rob Fletcher takes you from Spock basics to advanced topics, using fully worked integration examples. Through the course of this book, you'll build a simple web application—Squawker—that allows users to post short messages. You'll discover how much easier it is to write automated tests with Spock's straightforward and expressive language. Start by learning how to write simple unit tests Understand the lifecycle of Spock specifications and feature methods Dive into interaction testing, using Spock's intuitive syntax for dealing with mocks and stubs Learn about parameterized tests—writing feature methods that run for multiple sets of data Move into advanced

topics, such as writing idiomatic Spock code and driving parameterized tests with file or database input Learn how everything works together in a standalone, fully-worked, test-driven development example

Vagrant: Up and Running Oct 05 2021 How does Vagrant boosts the productivity of companies such as Mozilla, RackSpace, LivingSocial, and others? This comprehensive guide shows you how to create and distribute virtualized development environments with this powerful open source tool. While Virtual machines (VMs) are portable and easy to run, due to their isolation from outside interference, many developers and system administrators have shied away from VMs because of the pain of setup and maintenance. With this book, you'll learn how to gain the benefits of VMs without the hassle, using Vagrant to create a virtual machine that matches your production systems. Learn about Vagrant's general use, and the concepts behind the tool Get a practical, project-oriented approach that takes you from basic to advanced Vagrant use in a simple LAMP web application example Explore case studies from various organizations that use Vagrant Learn about common errors and get troubleshooting tips

PostgreSQL: Up and Running May 20 2020

Thinking of migrating to PostgreSQL? This clear, fast-paced introduction helps you understand and use this open source database system. Not only will you learn about the enterprise class features in versions 9.2, 9.3, and 9.4, you'll also discover that PostgreSQL is more than a database system—it's also an impressive application platform. With examples throughout, this book shows you how to achieve tasks that are difficult or impossible in other databases. This second edition covers LATERAL queries, augmented JSON support, materialized views, and other key topics. If you're a current PostgreSQL user, you'll pick up gems you may have missed before. Learn basic administration tasks such as role management, database creation, backup, and restore Apply the psql command-line utility and the pgAdmin graphical administration tool Explore PostgreSQL tables, constraints, and indexes Learn powerful SQL constructs not generally found in other databases Use several different languages to write database functions Tune your queries to run as fast as your hardware will allow Query external and variegated data sources with foreign data wrappers Learn how use built-in

replication filters to replicate data

Prometheus: Up & Running Jul 14 2022 Get up to speed with Prometheus, the metrics-based monitoring system used by tens of thousands of organizations in production. This practical guide provides application developers, sysadmins, and DevOps practitioners with a hands-on introduction to the most important aspects of Prometheus, including dashboarding and alerting, direct code instrumentation, and metric collection from third-party systems with exporters. This open source system has gained popularity over the past few years for good reason. With its simple yet powerful data model and query language, Prometheus does one thing, and it does it well. Author and Prometheus developer Brian Brazil guides you through Prometheus setup, the Node exporter, and the Alertmanager, then demonstrates how to use them for application and infrastructure monitoring. Know where and how much to apply instrumentation to your application code Identify metrics with labels using unique key-value pairs Get an introduction to Grafana, a popular tool for building dashboards Learn how to use the Node Exporter to monitor your infrastructure Use service discovery to provide different

views of your machines and services Use Prometheus with Kubernetes and examine exporters you can use with containers Convert data from other monitoring systems into the Prometheus format

Kubernetes: Up and Running Jun 20 2020

Legend has it that Google deploys over two billion application containers a week. How's that possible? Google revealed the secret through a project called Kubernetes, an open source cluster orchestrator (based on its internal Borg system) that radically simplifies the task of building, deploying, and maintaining scalable distributed systems in the cloud. This practical guide shows you how Kubernetes and container technology can help you achieve new levels of velocity, agility, reliability, and efficiency.

Authors Kelsey Hightower, Brendan Burns, and Joe Beda—who've worked on Kubernetes at Google and other organizations—explain how this system fits into the lifecycle of a distributed application. You will learn how to use tools and APIs to automate scalable distributed systems, whether it is for online services, machine-learning applications, or a cluster of Raspberry Pi computers. Explore the distributed system challenges that Kubernetes addresses Dive

into containerized application development, using containers such as Docker Create and run containers on Kubernetes, using the docker image format and container runtime Explore specialized objects essential for running applications in production Reliably roll out new software versions without downtime or errors Get examples of how to develop and deploy real-world applications in Kubernetes

Node: Up and Running Nov 18 2022 "Node: Up and Running" shows users how Node scales up to support large numbers of simultaneous connections across multiple servers, and scales down to create one-off applications with minimal infrastructure.

Terraform: Up and Running Mar 22 2023 Terraform has become a key player in the DevOps world for defining, launching, and managing infrastructure as code (IAC) across a variety of cloud and virtualization platforms, including Azure, Google Cloud, DigitalOcean, and others. The updated second edition of this hands-on guide is fastest way to get up and running with Terraform.

Up and Running Jun 25 2023 If you think that running is just for slim, fit and sporty types, think again!

Vagrant: Up and Running Jan 20 2023

Discover why Vagrant is a must-have tool for thousands of developers and ops engineers. This hands-on guide shows you how to use this open source software to build a virtual machine for any purpose—including a completely sandboxed, fully provisioned development environment right on your desktop. Vagrant creator Mitchell Hashimoto shows you how to share a virtual machine image with members of your team, set up a separate virtualization for each project, and package virtual machines for use by others. This book covers the V1 (1.0.x) configuration syntax running on top of a V2 (1.1+) core, the most stable configuration format running on the latest core. Build a simple virtual machine with just two commands and no configuration Create a development environment that closely resembles production Automate software installation and management with shell scripts, Chef, or Puppet Set up a network interface to access your virtual machine from any computer Use your own editor and browser to develop and test your applications Test complicated multi-machine clusters with a single Vagrantfile Change Vagrant's default operating system to match your production OS Extend Vagrant features

with plugins, including components you build yourself

Dart: Up and Running Aug 27 2023 Get moving with Dart, the development platform that helps you build high-performance HTML5 apps for the modern Web. With this guide, you'll take a hands-on tour of the Dart language, libraries, and tools—including its editor and virtual machine—for developing structured, fast, and maintainable web apps that run on both the client and the server. Written by developer advocates at Google, this updated edition covers Dart 1.0. Google designed Dart to boost performance and help developers work more efficiently. This book shows you how to build everything from simple scripts to complex apps that work well in today's browsers. Build web apps with the object-oriented Dart language, and compile your code to JavaScript Delve into language features, from optional types and method cascades to named constructors Create, launch, and debug web and command-line apps with Dart Editor Explore Dart APIs, including `dart:core`, `dart:html`, `dart:io`, `dart:convert`, and `dart:mirrors` Use tools such as Dartium, the Chromium-based browser that can run Dart apps natively Walk through Dartiverse Search, a client-server

app that combines useful and fun language and API features

Spring Boot: Up and Running Aug 03 2021
With over 75 million downloads per month, Spring Boot is the most widely used Java framework available. Its ease and power have revolutionized application development from monoliths to microservices. Yet Spring Boot's simplicity can also be confounding. How do developers learn enough to be productive immediately? This practical book shows you how to use this framework to write successful mission-critical applications. Mark Heckler from VMware, the company behind Spring, guides you through Spring Boot's architecture and approach, covering topics such as debugging, testing, and deployment. If you want to develop cloud native Java or Kotlin applications with Spring Boot rapidly and effectively--using reactive programming, building APIs, and creating database access of all kinds--this book is for you. Learn how Spring Boot simplifies cloud native application development and deployment Build reactive applications and extend communication across the network boundary to create distributed systems Understand how Spring Boot's architecture and approach increase developer productivity and

application portability Deploy Spring Boot applications for production workloads rapidly and reliably Monitor application and system health for optimal performance and reliability Debug, test, and secure cloud-based applications painlessly

React : Up & Running Dec 07 2021 Hit the ground running with React, the open-source technology from Facebook for building rich web applications fast. With this practical guide, Yahoo web developer Stoyan Stefanov teaches you how to build components--React's basic building blocks--and organize them into maintainable, large-scale apps. If you're familiar with basic JavaScript syntax, you're ready to get started. Once you understand how React works, you'll build a complete custom Whinepad app that helps users rate wines and keep notes. You'll quickly learn why some developers consider React the key to the web app development puzzle. Set up React and write your first "Hello world" web app Create and use custom React components alongside generic DOM components Build a data table component that lets you edit, sort, search, and export its contents Use the JSX syntax extension as an alternative to function calls Set up a lean, low-level build process that helps you focus

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Sinatra: Up and Running Jul 02 2021 Take advantage of Sinatra, the Ruby-based web application library and domain-specific language used by Heroku, GitHub, Apple, Engine Yard, and other prominent organizations. With this concise book, you will quickly gain working knowledge of Sinatra and its minimalist approach to building both standalone and modular web applications. Sinatra serves as a lightweight wrapper around Rack middleware, with syntax that maps closely to functions exposed by HTTP verbs, which makes it ideal for web services and APIs. If you have experience building applications with Ruby, you'll quickly learn language fundamentals and see under-the-hood techniques, with the help of several practical examples. Then you'll get hands-on experience with Sinatra

by building your own blog engine. Learn Sinatra's core concepts, and get started by building a simple application Create views, manage sessions, and work with Sinatra route definitions Become familiar with the language's internals, and take a closer look at Rack Use different subclass methods for building flexible and robust architectures Put Sinatra to work: build a blog that takes advantage of service hooks provided by the GitHub API

Ansible: Up and Running Dec 19 2022 Among the many configuration management tools available, Ansible has some distinct advantages—it's minimal in nature, you don't need to install anything on your nodes, and it has an easy learning curve. This practical guide shows you how to be productive with this tool quickly, whether you're a developer deploying code to production or a system administrator looking for a better automation solution. Author Lorin Hochstein shows you how to write playbooks (Ansible's configuration management scripts), manage remote servers, and explore the tool's real power: built-in declarative modules. You'll discover that Ansible has the functionality you need and the simplicity you desire. Understand how

Ansible differs from other configuration management systems Use the YAML file format to write your own playbooks Learn Ansible's support for variables and facts Work with a complete example to deploy a non-trivial application Use roles to simplify and reuse playbooks Make playbooks run faster with ssh multiplexing, pipelining, and parallelism Deploy applications to Amazon EC2 and other cloud platforms Use Ansible to create Docker images and deploy Docker containers

Microservices: Up and Running Mar 30 2021
Microservices architectures offer faster change speeds, better scalability, and cleaner, evolvable system designs. But implementing your first microservices architecture is difficult. How do you make myriad choices, educate your team on all the technical details, and navigate the organization to a successful execution to maximize your chance of success? With this book, authors Ronnie Mitra and Irakli Nadareishvili provide step-by-step guidance for building an effective microservices architecture. Architects and engineers will follow an implementation journey based on techniques and architectures that have proven to work for microservices systems. You'll build an operating model, a

microservices design, an infrastructure foundation, and two working microservices, then put those pieces together as a single implementation. For anyone tasked with building microservices or a microservices architecture, this guide is invaluable. Learn an effective and explicit end-to-end microservices system design Define teams, their responsibilities, and guidelines for working together Understand how to slice a big application into a collection of microservices Examine how to isolate and embed data into corresponding microservices Build a simple yet powerful CI/CD pipeline for infrastructure changes Write code for sample microservices Deploy a working microservices application on Amazon Web Services

Terraform: Up and Running Sep 23 2020

Terraform has become a key player in the DevOps world for defining, launching, and managing infrastructure as code (IaC) across a variety of cloud and virtualization platforms, including AWS, Google Cloud, Azure, and more. This hands-on third edition, expanded and thoroughly updated for version 1.0 and beyond, shows you the fastest way to get up and running with Terraform. Gruntwork cofounder Yevgeniy

(Jim) Brikman takes you through code examples that demonstrate Terraform's simple, declarative programming language for deploying and managing infrastructure with a few commands. Veteran sysadmins, DevOps engineers, and novice developers will quickly go from Terraform basics to running a full stack that can support a massive amount of traffic and a large team of developers. Compare Terraform with Chef, Puppet, Ansible, CloudFormation, and Pulumi Deploy servers, load balancers, and databases Create reusable infrastructure with Terraform modules Test your Terraform modules with static analysis, unit tests, and integration tests Configure CI/CD pipelines for both your apps and infrastructure code Use advanced Terraform syntax for loops, conditionals, and zero-downtime deployment Get up to speed on Terraform 0.13 to 1.0 and beyond Work with multiple clouds and providers (including Kubernetes!)

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