Quick answers to common problems

Jenkins Continuous Integration Cookbook

Second Edition

Over 90 recipes to produce great results from Jenkins using pro-level practices, techniques, and solutions

Alan Mark Berg

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PUBLISHING

Jenkins Continuous Integration Cookbook Second Edition

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Jenkins Continuous Integration Cookbook Second Edition:
    Jenkins Continuous Integration Cookbook - Second Edition Alan Berg,2015 Over 90 recipes to produce great results from Jenkins using pro level practices techniques and solutions In Detail Jenkins is an award wining and one of the most popular Continuous Integration servers in the market today It was designed to maintain secure communicate test build and improve the software development process This book starts by examining the most common maintenance tasks This is followed by steps that enable you to enhance the overall security of Jenkins You will then explore the relationship between Jenkins builds and Maven pom xml Then you will learn how to use plugins to display code metrics and fail builds to improve quality followed by how to run performance and functional tests against a web application and web services Finally you will see what the available plugins are concluding with best practices to improve quality What You Will Learn Integrate Jenkins with LDAP and SSO solutions Maintain and secure Jenkins Run an integration server firing automatic functional and performance tests Communicate through social media and by plotting custom data Skin Jenkins to your corporate look and feel Refine the use of code metrics to improve quality Write your first custom Jenkins plugin Apply tweaks to optimize your use of Jenkins Downloading the example code for this book You can download the example code files for all Packt books you have purchased from your account at http www PacktPub com If you purchased this book elsewhere you can visit http www PacktPub com support and register to have the files e mailed directly to you   **Jenkins 2.x Continuous Integration Cookbook** Mitesh Soni,Alan Mark Berg,2017-10-30 Get a problem solution approach enriched with code examples for practical and easy comprehension About This Book Explore the use of more than 40 best of breed plug ins for improving efficiency Secure and maintain Jenkins 2 x by integrating it with LDAP and CAS which is a Single Sign on solution Efficiently build advanced pipelines with pipeline as code thus increasing your team s productivity Who This Book Is For If you are a Java developer a software architect a technical project manager a build manager or a development or QA engineer then this book is ideal for you A basic understanding of the software development life cycle and Java development is needed as well as a rudimentary understanding of Jenkins What You Will Learn Install and Configure Jenkins 2 x on AWS and Azure Explore effective ways to manage and monitor Jenkins 2 x Secure Jenkins 2 x using Matrix based Security Deploying a WAR file from Jenkins 2 x to Azure App Services and AWS Beanstalk Automate deployment of application on AWS and Azure PaaS Continuous Testing Unit Test Execution Functional Testing and Load Testing In Detail Jenkins 2 x is one of the most popular Continuous Integration servers in the market today It was designed to maintain secure communicate test build and improve the software development process This book will begin by guiding you through steps for installing and configuring Jenkins 2 x on AWS and Azure This is followed by steps that enable you to manage and monitor Jenkins 2 x You will also explore the ways to enhance the overall security of Jenkins 2 x You will then explore the steps involved in improving the code quality using SonarQube Then you will learn the ways to improve quality followed by how to run performance and functional tests

against a web application and web services Finally you will see what the available plugins are concluding with best practices to improve quality Style and approach This book provides a problem solution approach to some common tasks and some uncommon tasks using Jenkins 2 x and is well illustrated with practical code examples **Learning Continuous Integration with Jenkins** Nikhil Pathania,2017-12-20 Speed up the software delivery process and software productivity using the latest features of Jenkins Key Features Take advantage of a Continuous Integration and Continuous Delivery solution to speed up productivity and achieve faster software delivery See all the new features introduced in Jenkins 2 x such as Pipeline as code Multibranch pipeline Docker Plugin and more Learn to implement Continuous Integration and Continuous Delivery by orchestrating multiple DevOps tools using Jenkins Book Description In past few years agile software development has seen tremendous growth There is a huge demand for software delivery solutions that are fast yet flexible to numerous amendments As a result Continuous Integration CI and Continuous Delivery CD methodologies are gaining popularity This book starts off by explaining the concepts of CI and its significance in the Agile Next you ll learn how to configure and set up Jenkins in many different ways The book exploits the concept of pipeline as code and various other features introduced in the Jenkins 2 x release to their full potential We also talk in detail about the new Jenkins Blue Ocean interface and the features that help to quickly and easily create a CI pipeline Then we dive into the various features offered by Jenkins one by one exploiting them for CI and CD Jenkins core functionality and flexibility allows it to fit in a variety of environments and can help streamline the development process for all stakeholders Next you ll be introduced to CD and will learn how to achieve it using Jenkins Through this book s wealth of best practices and real world tips you ll discover how easy it is to implement CI and CD using Jenkins What you will learn Get to know some of the most popular ways to set up Jenkins See all the new features introduced in the latest Jenkins such as pipeline as code Multibranch pipeline and more Manage users projects and permissions in Jenkins to ensure better security Leverage the power of plugins in Jenkins Learn how to create a CI pipeline using Jenkins Blue Ocean Create a distributed build farm using Docker and use it with Jenkins Implement CI and CD using Jenkins See the difference between CD and Continuous Deployment Understand the concepts of CI Who this book is for The book is for those with little or no previous experience with Agile or CI and CD It s a good starting point for anyone new to this field who wants to leverage the benefits of CI and CD to increase productivity and reduce delivery time It s ideal for Build and Release engineers DevOps engineers SCM Software Configuration Management engineers developers testers and project managers If you re already using Jenkins for CI you can take your project to the next level CD *Android Application Development with Maven* Patroklos Papapetrou,Jonathan LALOU,2015-03-19 Android Application Development with Maven is intended for Android developers or devops engineers who want to use Maven to effectively develop quality Android applications It would be helpful but not necessary if you have some previous experience with Maven **Redmine Cookbook** Aleksandar Pavić,2016-02-23 Over 80 hands on recipes to improve your skills in project management team

management process improvement and Redmine administration About This Book Efficiently install and customize Redmine for your own infrastructure whether that be Microsoft or open source Manage multiple projects with multiple teams across the globe in a standardized and effective way Customize Redmine to fit your organisation s specific and unique needs Who This Book Is For This book is for those who working in management or administrator positions who are already using Redmine or are willing to start using it for project management tracking collaboration or process management Additionally individual developers or teams can benefit from recipes related to code repositories bug tracking and software project management What You Will Learn Make Redmine run on Microsoft SQL Server with IIS Enjoy the benefits of updating the code on a real time basis and maintaining consistency Manage multiple projects and teams simultaneously Leverage Redmine features to enhance team s performance Use Redmine for SCRUM and Agile methodologies Deploy Redmine for Service Desk Customize the user experience by manually tracking the ongoing projects Extend Redmine through various plugins In Detail In a variety of online project management tools Redmine markets itself as offering flexibility Choosing the right management tool can mean the difference between the success and failure of a project Flexible project management tools bend themselves to fit your needs whether that s communication regarding a simple project or collaboration or more complex project methodology such as SCRUM or an issue code relationship or the need of different methodology for your project Whether you are project manager or system administrator this book provides valuable recipes to get the best possible performance out of your team organization infrastructure and Redmine itself Through a series of carefully crafted recipes covering the nitty gritty of Redmine you ll be guided through the installation of Redmine as well as how to fine tune and customize your Redmine installation Finally we walk you through integrating Redmine with other softwares and databases like Tortoise SVN and Visual Studio and troubleshooting Redmine Style and approach This book follows a step by step recipe based approach Detailed prerequisites make each recipe easy to follow and apply in practice in any kind of live environment *Continuous Delivery with Docker and Jenkins* Rafał Leszko,2019-05-31 Create a complete Continuous Delivery process using modern DevOps tools such as Docker Kubernetes Jenkins Docker Hub Ansible GitHub and many more Key FeaturesBuild reliable and secure applications using Docker containers Create a highly available environment to scale a Docker servers using KubernetesImplement advance continuous delivery process by parallelizing the pipeline tasksBook Description Continuous Delivery with Docker and Jenkins Second Edition will explain the advantages of combining Jenkins and Docker to improve the continuous integration and delivery process of an app development It will start with setting up a Docker server and configuring Jenkins on it It will then provide steps to build applications on Docker files and integrate them with Jenkins using continuous delivery processes such as continuous integration automated acceptance testing and configuration management Moving on you will learn how to ensure quick application deployment with Docker containers along with scaling Jenkins using Kubernetes Next you will get to know how to deploy applications using Docker images and testing them with Jenkins

Towards the end the book will touch base with missing parts of the CD pipeline which are the environments and infrastructure application versioning and nonfunctional testing By the end of the book you will be enhancing the DevOps workflow by integrating the functionalities of Docker and Jenkins What you will learnGet to grips with docker fundamentals and how to dockerize an application for the CD processLearn how to use Jenkins on the Cloud environmentsScale a pool of Docker servers using KubernetesCreate multi container applications using Docker ComposeWrite acceptance tests using Cucumber and run them in the Docker ecosystem using JenkinsPublish a built Docker image to a Docker Registry and deploy cycles of Jenkins pipelines using community best practicesWho this book is for The book targets DevOps engineers system administrators docker professionals or any stakeholders who would like to explore the power of working with Docker and Jenkins together No prior knowledge of DevOps is required for this book   Creating Development Environments with Vagrant - Second Edition Michael Peacock,2015-03-12 If you are a developer who wants to have your development environment accurately reflect your live servers to tackle the ever increasing complexity of web and software projects this book is most certainly intended for you It s assumed that you know the basics of Linux systems in the context of web based projects   *Hands-On Continuous Integration and Delivery* Jean-Marcel Belmont,2018-08-29 Understand various tools and practices for building a continuous integration and delivery pipeline effectively Key Features Get up and running with the patterns of continuous integration Learn Jenkins UI for developing plugins and build an effective Jenkins pipeline Automate CI CD with command line tools and scripts Book Description Hands On Continuous Integration and Delivery starts with the fundamentals of continuous integration CI and continuous delivery CD and where it fits in the DevOps ecosystem You will explore the importance of stakeholder collaboration as part of CI CD As you make your way through the chapters you will get to grips with Jenkins UI and learn to install Jenkins on different platforms add plugins and write freestyle scripts Next you will gain hands on experience of developing plugins with Jenkins UI building the Jenkins 2 0 pipeline and performing Docker integration In the concluding chapters you will install Travis CI and Circle CI and carry out scripting logging and debugging helping you to acquire a broad knowledge of CI CD with Travis CI and CircleCI By the end of this book you will have a detailed understanding of best practices for CI CD systems and be able to implement them with confidence What you will learn Install Jenkins on multiple operating systems Work with Jenkins freestyle scripts pipeline syntax and methodology Explore Travis CI build life cycle events and multiple build languages Master the Travis CI CLI command line interface and automate tasks with the CLI Use CircleCI CLI jobs and work with pipelines Automate tasks using CircleCI CLI and learn to debug and troubleshoot Learn open source tooling such as Git and GitHub Install Docker and learn concepts in shell scripting Who this book is for Hands On Continuous Integration and Delivery is for system administrators DevOps engineers and build and release engineers who want to understand the concept of CI and gain hands on experience working with prominent tools in the CI ecosystem Basic knowledge of software delivery is an added advantage   **Test-Driven**

Infrastructure with Chef Stephen Nelson-Smith,2013-10-11 Since Test Driven Infrastructure with Chef first appeared in mid 2011 infrastructure testing has begun to flourish in the web ops world In this revised and expanded edition author Stephen Nelson Smith brings you up to date on this rapidly evolving discipline including the philosophy driving it and a growing array of tools You ll get a hands on introduction to the Chef framework and a recommended toolchain and workflow for developing your own test driven production infrastructure Several exercises and examples throughout the book help you gain experience with Chef and the entire infrastructure testing ecosystem Learn how this test first approach provides increased security code quality and peace of mind Explore the underpinning philosophy that infrastructure can and should be treated as code Become familiar with the MASCOT approach to test driven infrastructure Understand the basics of test driven and behavior driven development for managing change Dive into Chef fundamentals by building an infrastructure with real examples Discover how Chef works with tools such as Virtualbox and Vagrant Get a deeper understanding of Chef by learning Ruby language basics Learn the tools and workflow necessary to conduct unit integration and acceptance tests

Mastering Postman, Second Edition Oliver James,2024-08-20 A must have for anyone looking to become an expert as API developer tester integrator or manager this revised and updated edition of Mastering Postman covers every aspect of API development including the noteworthy new features of Postman 11 In this all inclusive book developers of all skill levels will find modern methods and best practices that cover every stage of the API lifecycle This book provides a solid grounding in API design documentation and implementation starting with the basics of Postman 11 Using Postman s most recent features you ll learn the ins and outs of automated testing error handling and real time monitoring all of which are essential for APIs It focuses mostly on the updated features of Postman 11 This version discusses the new scripting features that enable more complex testing scenarios as well as the improved integration options that make connecting to other platforms and services easier than ever before Also covered is the latest Postman CLI and how to use it to automate and improve API testing and deployment in CI CD pipelines It also covers Postman s real time collaboration features helping API teams collaborate more efficiently You will also find out how to use Postman s new performance testing features such as advanced load testing to make sure your APIs can manage actual user traffic Key Features Manage the entire API lifecycle from planning to development testing and release Automate complex API tests with Postman 11 s improved scripting capabilities Use strong authentication methods for APIs such as OAuth 2 1 and JWT Use Postman s real time collaboration tools for efficient API teamwork Apply Postman and Newman load testing to ensure API scalability under pressure Optimize data flow and system communication by seamlessly integrating APIs with various platforms Use Postman s updated documentation tools to automate API documentation Track API performance in real time to find and fix bottlenecks Use caching and asynchronous processing to improve API performance Set up CI CD pipelines using Postman Command Line Interface CLI Table of Content API LifeCycle and Postman 11 API Design API Development API Testing API Security Using Postman CLI API Documentation

Publishing API Integration API Performance **Learning AWS** Aurobindo Sarkar,Amit Shah,2018-02-01 Discover techniques and tools for building serverless applications with AWS Key Features Get well versed with building and deploying serverless APIs with microservices Learn to build distributed applications and microservices with AWS Step Functions A step by step guide that will get you up and running with building and managing applications on the AWS platform Book Description Amazon Web Services AWS is the most popular and widely used cloud platform Administering and deploying application on AWS makes the applications resilient and robust The main focus of the book is to cover the basic concepts of cloud based development followed by running solutions in AWS Cloud which will help the solutions run at scale This book not only guides you through the trade offs and ideas behind efficient cloud applications but is a comprehensive guide to getting the most out of AWS In the first section you will begin by looking at the key concepts of AWS setting up your AWS account and operating it This guide also covers cloud service models which will help you build highly scalable and secure applications on the AWS platform We will then dive deep into concepts of cloud computing with S3 storage RDS and EC2 Next this book will walk you through VPC building realtime serverless environments and deploying serverless APIs with microservices Finally this book will teach you to monitor your applications and automate your infrastructure and deploy with CloudFormation By the end of this book you will be well versed with the various services that AWS provides and will be able to leverage AWS infrastructure to accelerate the development process What you will learn Set up your AWS account and get started with the basic concepts of AWS Learn about AWS terminology and identity access management Acquaint yourself with important elements of the cloud with features such as computing ELB and VPC Back up your database and ensure high availability by having an understanding of database related services in the AWS cloud Integrate AWS services with your application to meet and exceed non functional requirements Create and automate infrastructure to design cost effective highly available applications Who this book is for If you are an I T professional or a system architect who wants to improve infrastructure using AWS then this book is for you It is also for programmers who are new to AWS and want to build highly efficient scalable applications **Practical DevOps, Second Edition** Joakim Verona,2018-05-30 Understand the benefits of DevOps and continuous delivery and see how they support the agile software development process Key Features Learn how DevOps can accelerate your entire software development life cycle Improve your organization s performance to ensure the smooth production of software and services Get hands on experience in using efficient DevOps tools to better effect Book Description DevOps is a practical field that focuses on delivering business value as efficiently as possible DevOps encompasses all code workflows from testing environments to production environments It stresses cooperation between different roles and how they can work together more closely as the roots of the word imply Development and Operations Practical DevOps begins with a quick refresher on DevOps and continuous delivery and quickly moves on to show you how DevOps affects software architectures You ll create a sample enterprise Java application that you ll continue to work with

through the remaining chapters Following this you will explore various code storage and build server options You will then learn how to test your code with a few tools and deploy your test successfully In addition to this you will also see how to monitor code for any anomalies and make sure that it runs as expected Finally you will discover how to handle logs and keep track of the issues that affect different processes By the end of the book you will be familiar with all the tools needed to deploy integrate and deliver efficiently with DevOps What you will learn Understand how all deployment systems fit together to form a larger system Set up and familiarize yourself with all the tools you need to be efficient with DevOps Design an application suitable for continuous deployment systems with DevOps in mind Store and manage your code effectively using Git Gerrit Gitlab and more Configure a job to build a sample CRUD application Test your code using automated regression testing with Jenkins Selenium Deploy your code using tools such as Puppet Ansible Palletops Chef and Vagrant Who this book is for If you re a developer or system administrator looking to take on larger responsibilities and understand how the infrastructure that builds today s enterprises works this is the book for you This book will also help you greatly if you re an operations worker who would like to better support developers You do not need any previous knowledge of DevOps to understand the concepts in this book   *Learn Docker in a Month of Lunches, Second Edition* Elton Stoneman,2025-10-14 Just the Docker you need to know in 22 bite sized lessons In Learn Docker in a Month of Lunches Docker expert Elton Stoneman guides through everything you need to know about Docker in 22 short lessons you can complete on your lunch break This freshly revised bestseller has been updated for modern tools and the latest versions of Linux Windows or Mac with new coverage of multi platform builds cloud container services replatforming legacy Windows apps and Kubernetes In Learn Docker in a Month of Lunches Second Edition you ll learn how to Run applications in Docker containers on Linux and Windows Package applications as Docker images and share them on registries Model and run distributed applications with Docker Compose and Kubernetes Add instrumentation to containerized applications Build and deploy apps with Docker in a CI CD process Docker revolutionized the way engineers build software By bundling an application together with all its dependencies in a portable container that can be deployed almost anywhere Docker makes it possible to manage applications without creating custom infrastructures Free open source and battle tested Docker has quickly become must know technology for developers and administrators About the Technology Docker is a set of powerful tools to bundle software components in safe portable containers you can drop wherever they re needed Whether you re deploying a pre built application creating a secure test environment or packaging microservices you re probably going to use Docker This book gets you up to speed with the Docker skills you need without the history theory and other blah blah you don t About the Book Learn Docker in a Month of Lunches Second Edition teaches you the most important Docker techniques in just 22 short hands on lessons Each chapter guides you through an essential concept complete with a self contained lab to practice your new skill You ll explore building Docker apps adding observability running databases in containers safely migrating legacy

systems and more There s even a primer on using Kubernetes to manage your containers What s Inside 22 short lessons and labs you can complete in an hour or less Cloud migration microservices and handling legacy systems All examples work on Linux Windows and macOS About the Readers Developers administrators and DevOps all welcome About the Author Elton Stoneman is a Docker Captain a multiyear Microsoft MVP and author of dozens of online training courses with Pluralsight and Udemy Table of Contents PART 1 1 Before you begin 2 Understanding Docker and running Hello World 3 Building your own Docker images 4 Packaging applications from source code into Docker images 5 Sharing images with Docker Hub and other registries 6 Using Docker volumes for persistent storage PART 2 7 Running multi container apps with Docker Compose 8 Supporting reliability with health checks and dependency checks 9 Adding observability with containerized monitoring 10 Running multiple environments with Docker Compose 11 Building and testing applications with Docker and Docker Compose PART 12 Running containers on different platforms 13 Replatforming the legacy Packaging and running Windows apps in Docker 14 Containers in the cloud with Microsoft Azure and Google Cloud 15 Kubernetes A primer 16 CI CD in the cloud with Docker and GitHub Actions PART 4 17 Optimizing your Docker images for size speed and security 18 Application configuration management in containers 19 Writing and managing application logs with Docker 20 Controlling HTTP traffic to containers with a reverse proxy 21 Asynchronous communication with a message queue 22 Never the end Get a free eBook PDF or ePub from Manning as well as access to the online liveBook format and its AI assistant that will answer your questions in any language when you purchase the print book **Linux Server Cookbook** Alberto Gonzalez,2023-02-10 Learn How to Implement Key System Administration Tasks in Linux KEY FEATURES Configure and use Linux network commands to analyze maintain and troubleshoot the network Get familiar with the most commonly used advanced commands required for administrating the Linux Server Explore new and trending services in the system administration domain DESCRIPTION Linux is the most popular operating system in the IT industry due to its security and performance In this book you will get familiar with the most important and advanced concepts of Linux server administration The book begins by showing you how to install a Linux distribution and the different possibilities available depending on the end usage of it After installation the book shows how to manage your system administrate users and permissions and how to install new software and configure the services The book provides a review of the most common and useful CLI commands and will provide knowledge on how to manage files directories and processes It explains how to install and administer advanced services like databases and file sharing The book will then guide you through new technologies related to automation containers and continuous integration delivery pipelines Lastly it will help you explore concepts such as Infrastructure as Code and Infrastructure as a Service and the usage of Linux on Public and Private clouds in detail with multiple examples By the end of the book you will be able to use different open source tools available on Linux to perform tasks WHAT YOU WILL LEARN Learn how to install a Linux distribution Explore advanced Network Configuration in Linux Configure firewall and network

security in the Linux server Learn how to automate your system administration tasks Automate Linux Server Deployments with Terraform WHO THIS BOOK IS FOR This book is best suited for System administrators Linux administrators IT managers Network engineers Network administrators and Security professionals TABLE OF CONTENTS 1 Introduction to Linux 2 Linux Installation 3 Using the Command Line Interface 4 User Administration and Software Management 5 Managing Files Directories and Processes 6 Monitoring System Resources 7 Network Configuration 8 Security 9 Network Services 10 File Sharing 11 Databases 12 Automation 13 Containers and CI CD 14 Backup and Restore 15 Multi Cloud Management 16 Infrastructure as a Service   *PhantomJS Cookbook* Rob Friesel,2014-06-12 A task based guide that provides solutions to real world test automation problems This book is intended for web development professionals who want to integrate PhantomJS into their development and testing workflows If you are a web developer looking to run automated unit tests while you work or perhaps you are a QA engineer looking for a fast test automation utility then this book is perfect for you Some prior knowledge of JavaScript would be helpful   **Atlassian DevOps Toolchain Cookbook** Robert Wen,Alex Ortiz,Edward Gaile,Rodney Nissen,2024-07-19 Seamlessly integrate Atlassian Open DevOps tools such as Jira Bitbucket Pipelines Compass Confluence and Opsgenie with other automated testing monitoring and security tools such as SonarQube and Snyk for a powerful and agile DevSecOps deployment process Key Features Streamline development progress visibility by connecting Jira with other DevOps tools through Open DevOps Enhance observability by integrating development tools like Bitbucket Pipelines with Compass Learn best practices for DevSecOps integrations and processes using real world examples Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionImplementing DevOps practices and toolchains for automated testing and deployment can accelerate product development with minimal errors in the production environment However creating DevOps toolchains by integrating tools from various vendors presents challenges for both administrators and developers Written by four well known experts from the Atlassian community this book addresses the complexities of DevOps toolchain creation and integration by leveraging Atlassian s Open DevOps solution Starting with a holistic overview of the DevOps and Atlassian Open DevOps solution you ll learn to integrate Jira with other tools You ll then find out how to create and integrate a CI CD pipeline in Bitbucket for automated testing and deployment to Docker containers With step by step guidance you ll connect Jira and Bitbucket with other tools such as Snyk for security and SonarQube for testing to form an extensive toolchain You ll also learn how Compass uses CheckOps for observability and how to use Confluence for documentation and reporting Finally you ll leverage Opsgenie s ChatOps functionality to enhance collaboration between developers and operations teams By the end of this book you ll be able to establish your DevOps toolchain by integrating Atlassian tools to automate and optimize the software development lifecycle and beyond What you will learn Extend reporting capabilities in Jira using Open DevOps Integrate Jira with popular tools for tracking the build and deployment status Track the progress of product ideas with Jira Product Discovery Document and report projects using

Confluence Create and deploy CI CD pipelines in Bitbucket and perform testing in SonarQube Integrate security scanning into your CI CD pipeline using Snyk Create an observability portal in Compass Use Opsgenie to collaborate with other teams when incidents occur Who this book is for This book is a valuable resource for DevOps engineers platform engineers SREs software developers and Atlassian tool administrators who want to automate testing integration and deployment processes using the Atlassian DevOps toolchain A basic understanding of DevOps processes will be beneficial While prior knowledge of administering Atlassian tools may be helpful it is not necessary as the recipes cover the administrative tasks needed to implement the DevOps toolchain and practices   The JHipster Mini-Book Matt Raible,2016-04-06 The JHipster Mini Book is a guide to getting started with hip technologies today Angular Bootstrap and Spring Boot All of these frameworks are wrapped up in an easy to use project called JHipster JHipster is a development platform to generate develop and deploy Spring Boot Angular or React Vue web applications and microservices This book shows you how to build an app with JHipster and guides you through the plethora of tools techniques and options you can use Then it shows you how to secure your data and deploy your app to Heroku Furthermore it explains the UI and API building blocks so you understand the underpinnings of your great application The latest edition v7 0 is updated for JHipster 7 This edition includes an updated microservices section that features WebFlux and micro frontends with React You can find the blog for the JHipster Mini Book at http www jhipster book com You can also follow it on Twitter at https twitter com jhipster_book Purpose of the book To provide free information to the JHipster community I ve used many of the frameworks that JHipster supports and I like how it integrates them Building web and mobile applications with Angular Bootstrap and Spring Boot is a great experience I want to encourage more developers to try it   **React Cookbook** Carlos Santana Roldán,2018-08-30 Over 66 hands on recipes that cover UI development animations component architecture routing databases testing and debugging with React Key Features Use essential hacks and simple techniques to solve React application development challenges Create native mobile applications for iOS and Android using React Native Learn to write robust tests for your applications using Jest and Enzyme Book Description Today s web demands efficient real time applications and scalability If you want to learn to build fast efficient and high performing applications using React 16 this is the book for you We plunge directly into the heart of all the most important React concepts for you to conquer Along the way you ll learn how to work with the latest ECMAScript features You ll see the fundamentals of Redux and find out how to implement animations Then you ll learn how to create APIs with Node Firebase and GraphQL and improve the performance of our application with Webpack 4 x You ll find recipes on implementing server side rendering adding unit tests and debugging We also cover best practices to deploy a React application to production Finally you ll learn how to create native mobile applications for iOS and Android using React Native By the end of the book you ll be saved from a lot of trial and error and developmental headaches and you ll be on the road to becoming a React expert What you will learn Gain the ability to wield complex topics such as Webpack and server side

rendering Implement an API using Node js Firebase and GraphQL Learn to maximize the performance of React applications Create a mobile application using React Native Deploy a React application on Digital Ocean Get to know the best practices when organizing and testing a large React application Who this book is for If you re a JavaScript developer who wants to build fast efficient scalable solutions then you re in the right place Knowledge of React will be an advantage but is not required Experienced users of React will be able to improve their skills **Jakarta EE Cookbook** Elder Moraes,2020-05-29 An enterprise Java developer s guide to learning JAX RS context and dependency injection JavaServer Faces JSF and microservices with Eclipse MicroProfile using the latest features of Jakarta EE Key FeaturesExplore Jakarta EE s latest features and API specifications and discover their benefitsBuild and deploy microservices using Jakarta EE 8 and Eclipse MicroProfileBuild robust RESTful web services for various enterprise scenarios using the JAX RS JSON P and JSON B APIsBook Description Jakarta EE is widely used around the world for developing enterprise applications for a variety of domains With this book Java professionals will be able to enhance their skills to deliver powerful enterprise solutions using practical recipes This second edition of the Jakarta EE Cookbook takes you through the improvements introduced in its latest version and helps you get hands on with its significant APIs and features used for server side development You ll use Jakarta EE for creating RESTful web services and web applications with the JAX RS JSON P and JSON B APIs and learn how you can improve the security of your enterprise solutions Not only will you learn how to use the most important servers on the market but you ll also learn to make the best of what they have to offer for your project From an architectural point of view this Jakarta book covers microservices cloud computing and containers It allows you to explore all the tools for building reactive applications using Jakarta EE and core Java features such as lambdas Finally you ll discover how professionals can improve their projects by engaging with and contributing to the community By the end of this book you ll have become proficient in developing and deploying enterprise applications using Jakarta EE What you will learnWork with Jakarta EE s most commonly used APIs and features for server side developmentEnable fast and secure communication in web applications with the help of HTTP2Build enterprise applications with reusable componentsBreak down monoliths into microservices using Jakarta EE and Eclipse MicroProfileImprove your enterprise applications with multithreading and concurrencyRun applications in the cloud with the help of containersGet to grips with continuous delivery and deployment for shipping your applications effectivelyWho this book is for This book is for Java EE developers who want to build enterprise applications or update their legacy apps with Jakarta EE s latest features and specifications Some experience of working with Java EE and knowledge of web and cloud computing will assist with understanding the concepts covered in this book **ServiceStack 4 Cookbook** Kyle Hodgson,Darren Reid,2015-01-23 If you are a NET developer who is looking for a simpler way to build services this is the book for you It will show you how to write fast maintainable APIs that are a pleasure to use and maintain starting from the database to the client and everything in between

Jenkins Continuous Integration Cookbook Second Edition Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the power of words has be more evident than ever. They have the ability to inspire, provoke, and ignite change. Such may be the essence of the book **Jenkins Continuous Integration Cookbook Second Edition**, a literary masterpiece that delves deep into the significance of words and their impact on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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