
Learning Continuous Integration With Jenkins

Jenkins Administrator's Guide

Learning Continuous Integration with Jenkins 2.X- Second Edition

Introduction to Jenkins for DevOps

How to Create World-Class Agility, Reliability, and Security in Technology Organizations

Continuous Delivery with Docker and Jenkins

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

Continuous Deployment with Argo CD, Jenkins X, and Flux

Learn to Automate the Deployment of Web Applications to an Application Server Using Jenkins and Apache Tomcat

Learning Continuous Integration with Jenkins

A Concise Guide with Examples

Learning DevOps

Integrating PHP Projects with Jenkins

Continuous Delivery with Docker and Jenkins

Python Continuous Integration and Delivery

Mastering Jenkins

Cloud Deployments Made Easy

The DevOps 2.0 Toolkit

Continuous Delivery

The DevOps Handbook

Continuous Integration (CI) with Jenkins Server Deployments

Uncovering the Logic of English: A Common-Sense Solution to America's Literacy Crisis

Extending Jenkins

Hands-on Pipeline as YAML with Jenkins

Reliable Software Releases through Build, Test, and Deployment Automation (Adobe Reader)

Learning Continuous Integration with TeamCity

A beginner's guide to implementing Continuous Integration and Continuous Delivery using Jenkins 2, 2nd Edition

Build and release quality software at scale with Jenkins, Travis CI, and CircleCI
Hands-On Continuous Integration and Delivery
Reliable and faster software releases with automating builds, tests, and deployment
The complete guide to accelerate collaboration with Jenkins, Kubernetes, Terraform and Azure DevOps
Evolve Your Deployment Pipeline for Next Generation Automation
Continuous Delivery with Jenkins, Kubernetes, and Terraform
Machine Learning for Predictive Analysis
Application Performance Management in the Cloud
Android Continuous Integration
With Jenkins 2.0
Jenkins 2.x Continuous Integration Cookbook
Apply Lean Frameworks to the Process of Game Development
Build and Release Quality Software at Scale with Jenkins, Travis CI, and CircleCI

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ROWAN MORENO

Jenkins Administrator's Guide Packt Publishing Ltd

Use this collection of best practices and tips for assessing the health of a solution. This book provides detailed techniques and instructions to quickly diagnose aspects of your Azure cloud solutions. The initial chapters of this book introduce you to the many facets of Microsoft Azure, explain why and how building for the cloud differs from on-premise development, and

outline the need for a comprehensive strategy to debugging and profiling in Azure. You learn the major types of blades (FaaS, SaaS, PaaS, IaaS), how different views can be created for different scenarios, and you will become familiar with the Favorites section, Cost Management & Billing blade, support, and Cloud Shell. You also will know how to leverage Application Insights for application performance management, in order to achieve a seamless cloud development experience. Application Insights, Log Analytics, and database storage topics are covered. The authors

further guide you on identity security with Azure AD and continuous delivery with CI and CD covered in detail along with the capabilities of Azure DevOps. And you are exposed to external tooling and trouble shooting in a production environment. After reading this book, you will be able to apply methods to key Azure services, including App Service (Web Apps, Function Apps, and Logic Apps), Cloud Services, Azure Container Service, Azure Active Directory, Azure Storage, Azure SQL Database, Cosmos DB, Log Analytics, and many more. What You Will Learn Debug and manage the performance of your

applications Leverage Application Insights for application performance management Extend and automate CI/CD with the help of various build tools, including Azure DevOps, TeamCity, and Cake bootstrapper Who This Book Is For Application developers, designers, and DevOps personnel who want to find a one-stop shop in best practices for managing their application's performance in the cloud and for debugging the issues accordingly

Learning Continuous Integration with Jenkins 2.X- Second Edition Apress Build and manage a production Jenkins instance, complete with CI/CD pipelines using GitHub and Docker Hub, Jenkins Configuration as Code, Shared Libraries, Script Security, and optimization guides Key Features: Set up production-grade Jenkins and CI/CD pipelines with GitHub and Docker Hub integrations Manage, protect, and upgrade a production Jenkins instance regardless of its size and the number of users Scale a Jenkins instance using advanced optimization tips, tricks, and best practices Book Description: Jenkins is a renowned name among build and release CI/CD DevOps engineers because of its usefulness in automating

builds, releases, and even operations. Despite its capabilities and popularity, it's not easy to scale Jenkins in a production environment. Jenkins Administrator's Guide will not only teach you how to set up a production-grade Jenkins instance from scratch, but also cover management and scaling strategies. This book will guide you through the steps for setting up a Jenkins instance on AWS and inside a corporate firewall, while discussing design choices and configuration options, such as TLS termination points and security policies. You'll create CI/CD pipelines that are triggered through GitHub pull request events, and also understand the various Jenkinsfile syntax types to help you develop a build and release process unique to your requirements. For readers who are new to Amazon Web Services, the book has a dedicated chapter on AWS with screenshots. You'll also get to grips with Jenkins Configuration as Code, disaster recovery, upgrading plans, removing bottlenecks, and more to help you manage and scale your Jenkins instance. By the end of this book, you'll not only have a production-grade Jenkins instance with CI/CD pipelines in place, but also

knowledge of best practices by industry experts. What You Will Learn: Set up a production-grade Jenkins instance on AWS and on-premises Create continuous integration and continuous delivery (CI/CD) pipelines triggered by GitHub pull request events Use Jenkins Configuration as Code to codify a Jenkins setup Backup and restore configurations and plan for disaster recovery Plan, communicate, execute, and roll back upgrade scenarios Identify and remove common bottlenecks in scaling Jenkins Use Shared Libraries to develop helper functions and create new DSLs Who this book is for: This book is for both new Jenkins administrators and advanced users who want to optimize and scale Jenkins. Jenkins beginners can follow the step-by-step directions, while advanced readers can join in-depth discussions on Script Security, removing bottlenecks, and other interesting topics. Build and release CI/CD DevOps engineers of all levels will also find new and useful information to help them run a production-grade Jenkins instance following industry best practices.

[Introduction to Jenkins for DevOps](#) Apress This book gathers papers addressing

state-of-the-art research in the areas of machine learning and predictive analysis, presented virtually at the Fourth International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2020), India. It covers topics such as intelligent agent and multi-agent systems in various domains, machine learning, intelligent information retrieval and business intelligence, intelligent information system development using design science principles, intelligent web mining and knowledge discovery systems.

How to Create World-Class Agility, Reliability, and Security in

Technology Organizations Apress

Follow this step-by-step guide for creating a continuous delivery pipeline using all of the new features in Jenkins 2.0 such as Pipeline as a Code, multi-branch pipeline, and more. You will learn three crucial elements for achieving a faster software delivery pipeline: a fungible build/test environment, manageable and reproducible pipelines, and a scalable build/test infrastructure. Pro Continuous Delivery demonstrates how to create a highly available, active/passive Jenkins

server using some niche technologies.

What You'll Learn Create a highly available, active/passive Jenkins server using CoreOS and Docker, and using Pacemaker and Corosync Use a Jenkins multi-branch pipeline to automatically perform continuous integration whenever there is a new branch in your source control system Describe your continuous delivery pipeline with Jenkinsfile Host Jenkins server on a cloud solution Run Jenkins inside a container using Docker Discover how the distributed nature of Git and the “merge before build” feature of Jenkins can be used to implement gated check-in Implement a scalable build farm using Docker and Kubernetes Who This Book Is For You have experience implementing continuous integration and continuous delivery using Jenkins freestyle Jobs and wish to use the new Pipeline as a Code feature introduced in Jenkins 2.0 Your source code is on a Git-like version control system (Git, GitHub, GitLab, etc.) and you wish to leverage the advantages of a multi-branch pipeline in Jenkins Your infrastructure is on a Unix-like platform and you wish to create a scalable, distributed build/test farm using Docker or

Kubernetes You are in need of a highly available system for your Jenkins Server using open source tools and technologies *Continuous Delivery with Docker and Jenkins* Simon and Schuster

Get a complete walkthrough of the many interfaces available in Jenkins with the help of real-world examples to take you to the next level with Jenkins About This Book Find out how to interact with Jenkins from within Eclipse, NetBeans, and IntelliJ IDEA Develop custom solutions that act upon Jenkins information in real time A step-by-step, practical guide to help you learn about extension points in existing plugins and how to build your own plugin Who This Book Is For This book is aimed primarily at developers and administrators who are interested in taking their interaction and usage of Jenkins to the next level. The book assumes you have a working knowledge of Jenkins and programming in general, and an interest in learning about the different approaches to customizing and extending Jenkins so it fits your requirements and your environment perfectly. **What You Will Learn** Retrieve and act upon Jenkins information in real time Find out how to interact with Jenkins

through a variety of IDEs Develop your own Form and Input validation and customization Explore how Extension points work, and develop your own Jenkins plugin See how to use the Jenkins API and command-line interface Get to know how to remotely update your Jenkins configuration Design and develop your own Information Radiator Discover how Jenkins customization can help improve quality and reduce costs In Detail Jenkins CI is the leading open source continuous integration server. It is written in Java and has a wealth of plugins to support the building and testing of virtually any project. Jenkins supports multiple Software Configuration Management tools such as Git, Subversion, and Mercurial. This book explores and explains the many extension points and customizations that Jenkins offers its users, and teaches you how to develop your own Jenkins extensions and plugins. First, you will learn how to adapt Jenkins and leverage its abilities to empower DevOps, Continuous Integration, Continuous Deployment, and Agile projects. Next, you will find out how to reduce the cost of modern software development, increase the quality of

deliveries, and thereby reduce the time to market. We will also teach you how to create your own custom plugins using Extension points. Finally, we will show you how to combine everything you learned over the course of the book into one real-world scenario. Style and approach Extending Jenkins explores and explains advanced Jenkins functionality from a practical point of view, teaching you real-world skills that will help you get more from this powerful software. Each key topic is explained clearly with a practical example, and in sufficient detail so you understand the concepts and can then develop your own solutions using your preferred software and languages.

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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.

Over 90 recipes to produce great results using pro-level practices, techniques, and solutions Packt Publishing Ltd

Most web applications are changed and adapted quite frequently and quickly. Their environment, for example the size and the behavior of the user base, are constantly changing. What was sufficient yesterday can be insufficient today. Especially in a web environment it is important to monitor and continuously improve the internal quality not only when developing, but also when maintaining the software. Jenkins is the leading open-source continuous integration server.

Thanks to its thriving plugin ecosystem, it supports building and testing virtually any project. This book explains how you can leverage Jenkins to monitor the various aspects of software quality in a PHP software project.

Continuous Deployment with Argo CD, Jenkins X, and Flux BPB Publications

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.

Learn to Automate the Deployment of Web Applications to an Application Server Using Jenkins and Apache Tomcat

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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

IT Revolution Streamline software development with Jenkins, the popular Java-based open source tool that has revolutionized the way teams think about Continuous Integration (CI). This complete guide shows you how to automate your build, integration, release, and deployment processes with Jenkins—and demonstrates how CI can save you time, money, and many headaches. Ideal for developers, software architects, and project managers, Jenkins: The Definitive Guide is both a CI tutorial and a comprehensive Jenkins reference. Through its wealth of best practices and real-world tips, you'll discover how easy it is to set up a CI service with Jenkins. Learn how to install, configure, and secure your Jenkins server Organize and monitor general-purpose build jobs Integrate automated tests to verify builds, and set up code quality reporting Establish effective team notification strategies and techniques Configure build pipelines, parameterized

jobs, matrix builds, and other advanced jobs Manage a farm of Jenkins servers to run distributed builds Implement automated deployment and continuous delivery

A Concise Guide with Examples Apress Unleash the combination of Docker and Jenkins in order to enhance the DevOps workflow About This Book* Build reliable and secure applications using Docker containers.* Create a complete Continuous Delivery pipeline using Docker, Jenkins, and Ansible.* Deliver your applications directly on the Docker Swarm cluster.* Create more complex solutions using multi-containers and database migrations.

Who This Book Is For This book is intended to provide a full overview of deep learning. From the beginner in deep learning and artificial intelligence to the data scientist who wants to become familiar with Theano and its supporting libraries, or have an extended understanding of deep neural nets. Some basic skills in Python programming and computer science will help, as well as skills in elementary algebra and calculus.

What You Will Learn* Get to grips with docker fundamentals and how to dockerize an

application for the Continuous Delivery process* Configure Jenkins and scale it using Docker-based agents* Understand the principles and the technical aspects of a successful Continuous Delivery pipeline* Create a complete Continuous Delivery process using modern tools: Docker, Jenkins, and Ansible* Write acceptance tests using Cucumber and run them in the Docker ecosystem using Jenkins* Create multi-container applications using Docker Compose* Managing database changes inside the Continuous Delivery process and understand effective frameworks such as Cucumber and Flyweight* Build clustering applications with Jenkins using Docker Swarm* Publish a built Docker image to a Docker Registry and deploy cycles of Jenkins pipelines using community best practices

In Detail The combination of Docker and Jenkins improves your Continuous Delivery pipeline using fewer resources. It also helps you scale up your builds, automate tasks and speed up Jenkins performance with the benefits of Docker containerization. This book will explain the advantages of combining Jenkins and Docker to improve the continuous

integration and delivery process of 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 Docker Swarm. Next, you will get to know how to deploy applications using Docker images and testing them with Jenkins. By the end of the book, you will be enhancing the DevOps workflow by integrating the functionalities of Docker and Jenkins.

Style and approach The book is aimed at DevOps Engineers, developers and IT Operations who want to enhance the DevOps culture using Docker and Jenkins.

Learning DevOps "O'Reilly Media, Inc." A step-by-step guide to implement Continuous Integration and Continuous Delivery (CI/CD) for Flutter, Ionic, Android, and Angular applications. KEY FEATURES

- This book covers all Declarative

Pipelines that can be utilized in real-life scenarios with sample applications written in Android, Angular, Ionic Cordova, and Flutter. ● This book utilizes the YAML Pipeline feature of Jenkins. A step-by-step implementation of Continuous Practices of DevOps makes it easy to understand even for beginners. DESCRIPTION This book brings solid practical knowledge on how to create YAML pipelines using Jenkins for efficient and scalable CI/CD pipelines. It covers an introduction to various essential topics such as DevOps, DevOps History, Benefits of DevOps Culture, DevOps and Value Streams, DevOps Practices, different types of pipelines such as Build Pipeline, Scripted Pipeline, Declarative Pipeline, YAML Pipelines, and Blue Ocean. This book provides an easy journey to readers in creating YAML pipelines for various application systems, including Android, AngularJS, Flutter, and Ionic Cordova. You will become a skilled developer by learning how to run Static Code Analysis using SonarQube or Lint tools, Unit testing, calculating code coverage, publishing unit tests and coverage reports, verifying the threshold of code coverage, creating build/package, and distributing packages

across different environments. By the end of this book, you will be able to try out some of the best practices to implement DevOps using Jenkins and YAML. WHAT YOU WILL LEARN ● Write successful YAML Pipeline codes for Continuous Integration and Continuous Delivery. ● Explore the working of CI/CD pipelines across Android, Angular, Ionic Cordova, and Flutter apps. ● Learn the importance of Continuous Code Inspection and Code Quality. ● Understand the importance of Continuous Integration and Continuous Delivery. ● Learn to publish Unit Tests and Code Coverage in Declarative Pipelines. ● Learn to deploy apps on Azure and distribute Mobile Apps to App Centers. WHO THIS BOOK IS FOR This book is suitable for beginners, DevOps consultants, DevOps evangelists, DevOps engineers, technical specialists, technical architects, and Cloud experts. Some prior basic knowledge of application development and deployment, Cloud computing, and DevOps practices will be helpful. TABLE OF CONTENTS 1.Introducing Pipelines 2.Basic Components of YAML Pipelines 3.Building CI/CD Pipelines with YAML for Flutter Applications 4.Building CI/CD Pipelines

with YAML for Ionic Cordova Applications 5.Building CI/CD Pipelines with YAML for Android Apps 6.Building CI/CD Pipelines with YAML for Angular Applications 7.Pipeline Best Practices Integrating PHP Projects with Jenkins Simon and Schuster A beginner's guide to implementing Continuous Integration and Continuous Delivery using Jenkins About This Book Speed up and increase software productivity and software delivery using Jenkins Automate your build, integration, release, and deployment processes with Jenkins—and learn how continuous integration (CI) can save you time and money Explore the power of continuous delivery using Jenkins through powerful real-life examples Who This Book Is For This book is for anyone who wants to exploit the power of Jenkins. This book serves a great starting point for those who are in the field DevOps and would like to leverage the benefits of CI and continuous delivery in order to increase productivity and reduce delivery time. What You Will Learn Take advantage of a continuous delivery solution to achieve faster software delivery Speed up

productivity using a continuous Integration solution through Jenkins Understand the concepts of CI and continuous delivery Orchestrate many DevOps tools using Jenkins to automate builds, releases, deployment, and testing Explore the various features of Jenkins that make DevOps activities a piece of cake Configure multiple build machines in Jenkins to maintain load balancing Manage users, projects, and permissions in Jenkins to ensure better security Leverage the power of plugins in Jenkins In Detail In past few years, Agile software development has seen tremendous growth across the world. There is huge demand for software delivery solutions that are fast yet flexible to frequent amendments. As a result, CI and continuous delivery methodologies are gaining popularity. Jenkins' core functionality and flexibility allows it to fit in a variety of environments and can help streamline the development process for all stakeholders. This book starts off by explaining the concepts of CI and its significance in the Agile world with a whole chapter dedicated to it. Next, you'll learn to configure and set up Jenkins. You'll gain a foothold in implementing CI and

continuous delivery methods. We dive into the various features offered by Jenkins one by one exploiting them for CI. After that, you'll find out how to use the built-in pipeline feature of Jenkins. You'll see how to integrate Jenkins with code analysis tools and test automation tools in order to achieve continuous delivery. Next, you'll be introduced to continuous deployment and learn 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 a CI service with Jenkins. Style and approach This is a step-by-step guide to setting up a CI and continuous delivery system loaded with hands-on examples [Continuous Delivery with Docker and Jenkins](#) "O'Reilly Media, Inc." Summary Gradle in Action is a comprehensive guide to end-to-end project automation with Gradle. Starting with the basics, this practical, easy-to-read book discusses how to build a full-fledged, real-world project. Along the way, it touches on advanced topics like testing, continuous integration, and monitoring code quality. You'll also explore tasks like setting up your target environment and

deploying your software. About the Technology Gradle is a general-purpose build automation tool. It extends the usage patterns established by its forerunners, Ant and Maven, and allows builds that are expressive, maintainable, and easy to understand. Using a flexible Groovy-based DSL, Gradle provides declarative and extendable language elements that let you model your project's needs the way you want. About the Book Gradle in Action is a comprehensive guide to end-to-end project automation with Gradle. Starting with the basics, this practical, easy-to-read book discusses how to establish an effective build process for a full-fledged, real-world project. Along the way, it covers advanced topics like testing, continuous integration, and monitoring code quality. You'll also explore tasks like setting up your target environment and deploying your software. The book assumes a basic background in Java, but no knowledge of Groovy. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. Whats Inside A comprehensive guide to Gradle Practical, real-world examples Transitioning from

Ant and Maven In-depth plugin development Continuous delivery with Gradle About the Author Benjamin Muschko is a member of the Gradleware engineering team and the author of several popular Gradle plugins. Table of Contents PART 1 INTRODUCING GRADLE Introduction to project automation Next-generation builds with Gradle Building a Gradle project by example PART 2 MASTERING THE FUNDAMENTALS Build script essentials Dependency management Multiproject builds Testing with Gradle Extending Gradle Integration and migration PART 3 FROM BUILD TO DEPLOYMENT IDE support and tooling Building polyglot projects Code quality management and monitoring Continuous integration Artifact assembly and publishing Infrastructure provisioning and deployment [Python Continuous Integration and Delivery](#) Packt Publishing Ltd Simplify your DevOps roles with DevOps tools and techniques Key Features Learn to utilize business resources effectively to increase productivity and collaboration Leverage the ultimate open source DevOps tools to achieve continuous

integration and continuous delivery (CI/CD) Ensure faster time-to-market by reducing overall lead time and deployment downtime Book Description The implementation of DevOps processes requires the efficient use of various tools, and the choice of these tools is crucial for the sustainability of projects and collaboration between development (Dev) and operations (Ops). This book presents the different patterns and tools that you can use to provision and configure an infrastructure in the cloud. You'll begin by understanding DevOps culture, the application of DevOps in cloud infrastructure, provisioning with Terraform, configuration with Ansible, and image building with Packer. You'll then be taken through source code versioning with Git and the construction of a DevOps CI/CD pipeline using Jenkins, GitLab CI, and Azure Pipelines. This DevOps handbook will also guide you in containerizing and deploying your applications with Docker and Kubernetes. You'll learn how to reduce deployment downtime with blue-green deployment and the feature flags technique, and study DevOps practices for open source projects.

Finally, you'll grasp some best practices for reducing the overall application lead time to ensure faster time to market. By the end of this book, you'll have built a solid foundation in DevOps, and developed the skills necessary to enhance a traditional software delivery process using modern software delivery tools and techniques What you will learn Become well versed with DevOps culture and its practices Use Terraform and Packer for cloud infrastructure provisioning Implement Ansible for infrastructure configuration Use basic Git commands and understand the Git flow process Build a DevOps pipeline with Jenkins, Azure Pipelines, and GitLab CI Containerize your applications with Docker and Kubernetes Check application quality with SonarQube and Postman Protect DevOps processes and applications using DevSecOps tools Who this book is for If you are a developer or a system administrator interested in understanding continuous integration, continuous delivery, and containerization with DevOps tools and techniques, this book is for you. [Mastering Jenkins](#) Apress For many organizations, a big part of

DevOps' appeal is software automation using infrastructure-as-code techniques. This book presents developers, architects, and infra-ops engineers with a more practical option. You'll learn how a container-centric approach from OpenShift, Red Hat's cloud-based PaaS, can help your team deliver quality software through a self-service view of IT infrastructure. Three OpenShift experts at Red Hat explain how to configure Docker application containers and the Kubernetes cluster manager with OpenShift's developer- and operational-centric tools. Discover how this infrastructure-agnostic container management platform can help companies navigate the murky area where infrastructure-as-code ends and application automation begins. Get an application-centric view of automation—and understand why it's important. Learn patterns and practical examples for managing continuous deployments such as rolling, A/B, blue-green, and canary. Implement continuous integration pipelines with OpenShift's Jenkins capability. Explore mechanisms for separating and managing configuration from static runtime software. Learn how to

use and customize OpenShift's source-to-image capability. Delve into management and operational considerations when working with OpenShift-based application workloads. Install a self-contained local version of the OpenShift environment on your computer.

Cloud Deployments Made Easy "O'Reilly Media, Inc."

Gain the techniques and tools that enable a smooth and efficient software development process in this quick and practical guide on Python continuous integration (CI) and continuous delivery (CD). Based on example applications, this book introduces various kinds of testing and shows you how to set up automated systems that run these tests, and install applications in different environments in controlled ways. Python Continuous Integration and Delivery tackles the technical problems related to software development that are typically glossed over in pure programming texts. After reading this book, you'll see that in today's fast-moving world, no software project can afford to go through development, then an integration phase of unpredictable length and complexity, and finally be shipped to

the customer -- just to find out that the resulting application didn't quite fill their need. Instead, you'll discover that practicing continuous integration and continuous delivery reduces the risks by keeping changes small and automating otherwise painful processes. What You Will Learn Carry out various kinds of testing, including unit testing and continuous integration testing, of your Python code using Jenkins. Build packages and manage repositories. Incorporate Ansible and Go for automated packaging and other deployments. Manage more complex and robust deployments. Who This Book Is For Python programmers and operating staff that work with Python applications.

The DevOps 2.0 Toolkit Packt Publishing Ltd

"English is so illogical!" It is generally believed that English is a language of exceptions. For many, learning to spell and read is frustrating. For some, it is impossible... especially for the 29% of Americans who are functionally illiterate. But what if the problem is not the language itself, but the rules we were taught? What if we could see the complexity of English as a powerful tool

rather than a hindrance? --Denise Eide
Uncovering the Logic of English challenges the notion that English is illogical by systematically explaining English spelling and answering questions like "Why is there a silent final E in have, large, and house?" and "Why is discussion spelled with -sion rather than -tion?" With easy-to-read examples and anecdotes, this book describes: - the phonograms and spelling rules which explain 98% of English words - how English words are formed and how this knowledge can revolutionize vocabulary development - how understanding the reasons behind English spelling prevents students from needing to guess The author's inspiring commentary makes a compelling case that understanding the logic of English could transform literacy education and help solve America's literacy crisis. Thorough

and filled with the latest linguistic and reading research, Uncovering the Logic of English demonstrates why this systematic approach should be as foundational to our education as $1+1=2$.

Continuous Delivery Packt Publishing Ltd

If you are a developer, tester, or a person in operations or DevOps who wants to start practising CI, start using TeamCity or both, then this book is for you. Moreover, if you have thought about bringing CI into your team, if you are already using a CI tool and want to move to TeamCity, or if you are looking for ideal practises and techniques while implementing CI with TeamCity, this book will be useful. *The DevOps Handbook* BPB Publications Increase profitability, elevate work culture, and exceed productivity goals through DevOps practices. More than ever, the effective management of technology is

critical for business competitiveness. For decades, technology leaders have struggled to balance agility, reliability, and security. The consequences of failure have never been greater—whether it's the healthcare.gov debacle, cardholder data breaches, or missing the boat with Big Data in the cloud. And yet, high performers using DevOps principles, such as Google, Amazon, Facebook, Etsy, and Netflix, are routinely and reliably deploying code into production hundreds, or even thousands, of times per day. Following in the footsteps of The Phoenix Project, *The DevOps Handbook* shows leaders how to replicate these incredible outcomes, by showing how to integrate Product Management, Development, QA, IT Operations, and Information Security to elevate your company and win in the marketplace.

Related with Learning Continuous Integration With Jenkins:

- The Dregs Of Society : [click here](#)