



Community Experience Distilled

Continuous Delivery and DevOps – A Quickstart Guide

Second Edition

Deliver quality software regularly and painlessly by adopting CD and DevOps

Paul Swartout

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Continuous Delivery And Devops A Quickstart Second Edition

Oleg Skrynnik



Continuous Delivery And Devops A Quickstart Second Edition:

Continuous Delivery and Devops - A QuickStart Guide Second Edition Paul Swartout,2014-12-24 If you are an IT professional software developer or system administrator who wants to understand how to ship quality software regularly effectively and efficiently this book is for you Previous knowledge of DevOps practices Continuous Delivery or using DevOps tools is not necessary

Learning DevOps: Continuously Deliver Better Software Joakim Verona,Michael Duffy,Paul Swartout,2016-09-22 Learn to use some of the most exciting and powerful tools to deliver world class quality software with continuous delivery and DevOps About This Book Get to know the background of DevOps so you understand the collaboration between different aspects of an IT organization and a software developer Deploy top quality software and ensure software maintenance and release management with this practical guide This course covers some of the most exciting technology available to DevOps engineers and demonstrates multiple techniques for using them Real world and realistic examples are provided to help you as you go about the implementation and adoption of continuous delivery and DevOps Who This Book Is For This course is for developers who want to understand how the infrastructure that builds today s enterprises works and how to painlessly and regularly ship quality software What You Will Learn Set up and familiarize yourself with all the tools you need to be efficient with DevOps Design an application that is suitable for continuous deployment systems with DevOps in mind Test the code using automated regression testing with Jenkins Selenium Managing the lifecycle of hosts from creation to ongoing management using Puppet Razor Find out how to manage use and work with Code in the Git version management system See what traps pitfalls and hurdles to look out for as you implement continuous delivery and DevOps In Detail Harness the power of DevOps to boost your skill set and make your IT organization perform better If you re keen to employ DevOps techniques to better your software development this course contains all you need to overcome the day to day complications of managing complex infrastructures the DevOps way Start with your first module Practical DevOps that encompasses the entire flow from code from testing to production Get a solid ground level knowledge of how to monitor code for any anomalies perform code testing and make sure the code is running smoothly through a series of real world exercise and develop practical skills by creating a sample enterprise Java application In the second module run through a series of tailored mini tutorials designed to give you a complete understanding of every DevOps automation technique Create real change in the way you deliver your projects by utilizing some of the most commendable software available today Go from your first steps of managing code in Git to configuration management in Puppet monitoring using Sensu and more In the final module get to grips with the continuous delivery techniques that will help you reduce the time and effort that goes into the delivery and support of software This Learning Path combines some of the best that Packt has to offer in one complete curated package It includes content from the following Packt products Practical DevOps by Joakim Verona DevOps Automation Cookbook by Michael Duffy Continuous Delivery and DevOps A Quickstart Guide Second Edition by Paul

Swartout Style and approach This course is an easy to follow project based guide for all those with a keen interest in deploying world class software using some of the most effective and remarkable technologies available [Continuous Delivery and DevOps - A Quickstart Guide](#) Paul Swartout,2018-10-31 A practical and engaging guide to help map out plan and navigate through the journey to successful CD and DevOps adoption Key FeaturesIdentify and overcome the issues that stifle the delivery of quality softwareLearn how Continuous Delivery and DevOps work together with other agile toolsReal world examples tricks and tips that will help the successful adoption of CD DevOpsBook Description Over the past few years Continuous Delivery CD and DevOps have been in the spotlight in tech media at conferences and in boardrooms alike Many articles and books have been written covering the technical aspects of CD and DevOps yet the vast majority of the industry doesn't fully understand what they actually are and how if adopted correctly they can help organizations drastically change the way they deliver value This book will help you figure out how CD and DevOps can help you to optimize streamline and improve the way you work to consistently deliver quality software In this edition you'll be introduced to modern tools techniques and examples to help you understand what the adoption of CD and DevOps entails It provides clear and concise insights into what CD and DevOps are all about how to go about both preparing for and adopting them and what quantifiable value they bring You will be guided through the various stages of adoption the impact they will have on your business and those working within it how to overcome common problems and what to do once CD and DevOps have become truly embedded Included within this book are some real world examples tricks and tips that will help ease the adoption process and allow you to fully utilize the power of CD and DevOps What you will learnExplore Continuous Delivery and DevOps in depthDiscover how CD and DevOps fits in with recent trends such as DataOps SecOps pipelines and CIUnderstand the root causes of the pain points within your existing product delivery processUnderstand the human elements of CD and DevOps and how intrinsic they are to your successAvoid common traps pitfalls and hurdles as you implement CD and DevOpsMonitor and communicate the relative success of DevOps and CD adoptionExtend and reuse CD and DevOps approachesWho this book is for Whether you are a software developer a system administrator an agile coach a product manager a project manager a CTO a VP a CEO or anyone else involved in software delivery you will have a common problem which is delivering quality software This book has been written for anyone and everyone who wants to understand how to regularly deliver quality software to their customers without said pain [DevOps - A Business Perspective](#) Oleg Skrynnik,2018-12-14 This book explains the management aspects of DevOps for those who are professionally engaged in information and technology management It does not show DevOps as a phenomenon associated with new automation tools programming techniques or technologies It differs from other books by the structural nature of the narrative perhaps excessively structured approach and by the attempt to cover fully the phenomenon of DevOps at a basic fundamental level By this approach this book not only creates awareness of the new subject area but is also helps building the basics The reader learns about the origins of DevOps

the inevitability of its emergence the key prerequisites and their reflection in practices about the practices themselves and the principles on which they are based This book is the core literature of the EXIN DevOps Foundation certification This exam tests the understanding of basic DevOps concepts and how they relate to each other as well as the value of DevOps for the business EXIN DevOps Foundation is the first level of the EXIN DevOps certification program The EXIN DevOps Professional certification tests the knowledge of DevOps practices and how to integrate teams The EXIN DevOps Master certification is about promoting organizational change and leading the way towards continuous delivery and improvement

Continuous Delivery and DevOps Paul Swartout,2012 This book is both a practical and theoretical guide detailing how to implement continuous delivery and Devops to consistently ship quality software quickly Whether you are a freelance software developer a system administrator working within a corporate business an IT project manager or a CTO in a startup you will have a common problem regularly shipping quality software is painful It needn't be This book is for anyone who wants to understand how to ship quality software regularly without the pain

Mastering JBoss Enterprise Application Platform 7 Francesco Marchioni,Luigi Fugaro,2016-08-31 Create modular scalable enterprise grade applications with JBoss Enterprise Application Platform 7 About This Book Leverage the power of JBoss EAP 7 along with Java EE 7 to create professional enterprise grade applications Get your applications cloud ready and make them highly scalable using this advanced guide Become a pro Java Developer and move ahead of the crowd with this advanced practical guide Who This Book Is For The ideal target audience for this book is Java System Administrators who already have some experience with JBoss EAP and who now want explore in depth creating Enterprise grade apps with the latest JBoss EAP version What You Will Learn Configure services using the Command Line Interface Deliver fault tolerant server configurations Harden the application server with advanced techniques Expand the application server's horizon with tools such as like Docker OpenShift Create enterprise ready configurations using clustering techniques Deliver advanced security solutions and learn how to troubleshoot common network performance issues In Detail The JBoss Enterprise Application Platform EAP has been one of the most popular tools for Java developers to create modular cloud ready and modern applications It has achieved a reputation for architectural excellence and technical savvy making it a solid and efficient environment for delivering your applications The book will first introduce application server configuration and the management instruments that can be used to control the application server Next the focus will shift to enterprise solutions such as clustering load balancing and data caching this will be the core of the book We will also discuss services provided by the application server such as database connectivity and logging We focus on real world example configurations and how to avoid common mistakes Finally we will implement the knowledge gained so far in terms of Docker containers and cloud availability using RedHat's OpenShift Style and approach If you are a Java developer who wants to level up to modern day Java web development with the latest Java EE 7 and JBoss EAP 7 this book is the ideal solution for you It addresses in a clear and simple way proof of concept scenarios such as clustering and

cloud and container configurations and explains how to solve common issues *Splunk 7.x Quick Start Guide* James H. Baxter, 2018-11-29 Learn how to architect implement and administer a complex Splunk Enterprise environment and extract valuable insights from business data Key Features Understand the various components of Splunk and how they work together to provide a powerful Big Data analytics solution Collect and index data from a wide variety of common machine data sources Design searches reports and dashboard visualizations to provide business data insights Book Description Splunk is a leading platform and solution for collecting searching and extracting value from ever increasing amounts of big data and big data is eating the world This book covers all the crucial Splunk topics and gives you the information and examples to get the immediate job done You will find enough insights to support further research and use Splunk to suit any business environment or situation Splunk 7 x Quick Start Guide gives you a thorough understanding of how Splunk works You will learn about all the critical tasks for architecting implementing administering and utilizing Splunk Enterprise to collect store retrieve format analyze and visualize machine data You will find step by step examples based on real world experience and practical use cases that are applicable to all Splunk environments There is a careful balance between adequate coverage of all the critical topics with short but relevant deep dives into the configuration options and steps to carry out the day to day tasks that matter By the end of the book you will be a confident and proficient Splunk architect and administrator What you will learn Design and implement a complex Splunk Enterprise solution Configure your Splunk environment to get machine data in and indexed Build searches to get and format data for analysis and visualization Build reports dashboards and alerts to deliver critical insights Create knowledge objects to enhance the value of your data Install Splunk apps to provide focused views into key technologies Monitor troubleshoot and manage your Splunk environment Who this book is for This book is intended for experienced IT personnel who are just getting started working with Splunk and want to quickly become proficient with its usage Data analysts who need to leverage Splunk to extract critical business insights from application logs and other machine data sources will also benefit from this book **Software Architecture with C++** Adrian

Ostrowski, Piotr Gaczkowski, 2021-04-23 Apply business requirements to IT infrastructure and deliver a high quality product by understanding architectures such as microservices DevOps and cloud native using modern C standards and features Key Features Design scalable large scale applications with the C programming language Architect software solutions in a cloud based environment with continuous integration and continuous delivery CI CD Achieve architectural goals by leveraging design patterns language features and useful tools Book Description Software architecture refers to the high level design of complex applications It is evolving just like the languages we use but there are architectural concepts and patterns that you can learn to write high performance apps in a high level language without sacrificing readability and maintainability If you re working with modern C this practical guide will help you put your knowledge to work and design distributed large scale apps You ll start by getting up to speed with architectural concepts including established patterns and rising trends then move on

to understanding what software architecture actually is and start exploring its components Next you ll discover the design concepts involved in application architecture and the patterns in software development before going on to learn how to build package integrate and deploy your components In the concluding chapters you ll explore different architectural qualities such as maintainability reusability testability performance scalability and security Finally you will get an overview of distributed systems such as service oriented architecture microservices and cloud native and understand how to apply them in application development By the end of this book you ll be able to build distributed services using modern C and associated tools to deliver solutions as per your clients requirements What you will learn Understand how to apply the principles of software architecture Apply design patterns and best practices to meet your architectural goals Write elegant safe and performant code using the latest C features Build applications that are easy to maintain and deploy Explore the different architectural approaches and learn to apply them as per your requirement Simplify development and operations using application containers Discover various techniques to solve common problems in software design and development Who this book is for This software architecture C programming book is for experienced C developers looking to become software architects or develop enterprise grade applications

Learning DevOps Continuously Deliver Better Software Vimal S.Swaan, 2017-03-23

What You Will Learn Set up and familiarize yourself with all the tools you need to be efficient with DevOps Design an application that is suitable for continuous deployment systems with DevOps in mind Test the code using automated regression testing with Jenkins Selenium Managing the lifecycle of hosts from creation to ongoing management using Puppet Razor Find out how to manage use and work with Code in the Git version management system See what traps pitfalls and hurdles to look out for as you implement continuous delivery and DevOps In Detail Harness the power of DevOps to boost your skill set and make your IT organization perform better If you re keen to employ DevOps techniques to better your software development this course contains all you need to overcome the day to day complications of managing complex infrastructures the DevOps way Start with your first module Practical DevOps that encompasses the entire flow from code from testing to production Get a solid ground level knowledge of how to monitor code for any anomalies perform code testing and make sure the code is running smoothly through a series of real world exercise and develop practical skills by creating a sample enterprise Java application In the second module run through a series of tailored mini tutorials designed to give you a complete understanding of every DevOps automation technique Create real change in the way you deliver your projects by utilizing some of the most commendable software available today Go from your first steps of managing code in Git to configuration management in Puppet monitoring using Sensu and more In the final module get to grips with the continuous delivery techniques that will help you reduce the time and effort that goes into the delivery and support of software This Learning Path combines some of the best that Packt has to offer in one complete curated package It includes content from the following Packt products Practical DevOps by Joakim Verona DevOps Automation Cookbook by Michael Duffy Continuous

Delivery and DevOps A Quickstart Guide Second Edition by Paul Swartout *DevOps* Sergei Dinkem,2019-12-30 Complete Guide to Get Started with DevOps DevOps is powerful set of collaborative practices that can take your project to the next level faster than you expect but only if you understand it and properly implement it Want to master DevOps quickly There are so many uses for DevOps and so many compelling reasons to implement DevOps in your business or for your own projects With this guide in your hands it is easier than ever to maximize your efficiency and productivity in business and in other projects When you understand how to use DevOps to its maximum potential you unlock greater efficiency and make better use of your time and your team s time Easily implement DevOps by following the simple instructions fully explained inside this guide It doesn t matter if you have never used DevOps before this book gives you detailed chapters on the principles of DevOps all of its features and exactly how to implement them This step by step guide gives you everything you need to know to unlock the power of DevOps and do more in your business and with your team than you ever thought possible Here is a preview of what you will learn in this guide What is DevOps History and Development of Dev Ops Basic Ideas of DevOps Dev Ops Toolchains Stages of Dev Ops Planning Creating Verification Packaging Release Configuration Monitoring Why Use DevOps Understanding and Implementing the CALMS Framework of Dev Ops Culture Automation Lean Measurement Sharing What Tools Are Used in DevOps Source Code Repository Git Build Server Jenkins Amazon CodeBuild Configuration Management Puppet Virtual Infrastructure Docker Amazon Web Services Integrating Amazon Cloud Computing into Dev Ops Microsoft Azure Integrating Azure Cloud Computing into Dev Ops Test Automation EC2 Systems Manager Patch Manager Automation Pipeline Orchestration CodePipeline CodeDeploy DevOps services Continuous Delivery Continuous Delivery vs Continuous Deployment Continuous Delivery Benefits Continuous Integration Why is Continuous Integration Needed How does Continuous Integration Work Continuous Integration Benefits Infrastructure as a Service IaaS Platform as a Service PaaS Software as a Service SaaS Dev Ops as a Service DaaS Dev Ops as a managed cloud service Monitoring and Logging Amazon CloudWatch Communication and Collaboration And so much more Even if you have never used DevOps before have no fear With this guide in your hands that will not be a barrier for you any longer Learn to master all the best features of DevOps easily when you grab this guide now *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

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

DevOps: Continuous Delivery, Integration, and Deployment with DevOps Sricharan Vadapalli,2018-03-13 Explore the high in demand core DevOps strategies with powerful DevOps tools such as Ansible Jenkins and Chef Key Features Get acquainted with methodologies and tools of the DevOps framework Perform continuous integration delivery deployment and monitoring using DevOps tools Explore popular tools such as Git Jenkins Maven Gerrit Nexus Selenium and so on Embedded with assessments that will help you revise the concepts you have learned in this book Book Description DevOps is the most widely used software engineering culture and practice that aim sat software development and operation Continuous integration is a cornerstone technique of DevOps that merges software code updates from developers into a shared central mainline This book takes a practical approach and covers the tools and strategies of DevOps It starts with familiarizing you with DevOps framework and then shows how toper form continuous delivery integration and deployment with DevOps You will explore DevOps process maturity frameworks and progression models with checklist templates for each phase of DevOps You will also be familiar with agile terminology methodology and the benefits accrued by an organization by adopting it You will also get acquainted with popular tools such as Git Jenkins Maven Gerrit Nexus Selenium and so on You will learn configuration automation and the implementation of infrastructure automation Infrastructure as Code with tools such as Chef and Ansible This book is ideal for engineers architects and developers who wish to learn the core strategies of DevOps What you will learn Get familiar with life cycle models maturity states progression and best practices of DevOps frameworks Learn to set up Jenkins and integrate it with Git Know how to build jobs and perform testing with Jenkins Implement infrastructure automation Infrastructure as Code with tools such as Chef and Ansible Understand continuous monitoring process with tools such as Splunk and Nagios Learn how Splunk improves the code quality Who this book is for This book is for engineers architects and developers who wish to learn the core strategies of DevOps

Continuous Delivery 2.0 Qiao Liang,2021-12-29 The agile transformation is an act of transforming an organization s form or nature gradually to one that can embrace and thrive in a flexible collaborative self organizing and fast changing environment It seems like most of the companies starting an agile transformation never reach the goal of agility but there are those few that truly become agile and reap incredible benefits by utilizing DevOps as well This book introduces the theory and practice of the double flywheels model of Continuous Delivery 2 0 Discovery Loop which

allows information technology IT organizations to help businesses figure out the most efficacious ways to develop. Additionally, it explores applications of the Verification Loop that allows IT organizations to deliver value quickly and safely with high quality. Along the way, the book provides an array of insights and case studies that dive into all the aspects of software delivery and how to implement Continuous Delivery in the most economical way for long-run business development. Features: Organization culture and software architecture, Business requirement management, Pipeline and tooling, Branching and releasing strategy, Automation strategy, Configuration and artefacts management, Deployment and production healthy. The case studies at the end of the book, scenarios in which the author was personally involved, are explored in depth and meticulously detailed in order to represent typical agile transition scenarios that will benefit all readers.

Continuous Delivery with Azure DevOps, 2018. Learn how to use Azure DevOps to create a continuous delivery pipeline and achieve a faster time to market for your organization.

[Jenkins Essentials - Second Edition](#) Mitesh Soni, 2017-06-30. Develop a base for DevOps culture by implementing Continuous Integration and Continuous Delivery including automated builds, unit test execution, packaging, and static code analysis with Jenkins.

2. About This Book: Explore Continuous Integration and automation along with how to manage and configure Jenkins Master using Jenkins to build test and package Java applications. Learn about Jenkins extensible features with automated deployment on cloud platforms such as AWS Elastic Beanstalk and Microsoft Azure App Services. Learn about creating a pipeline using Build Pipeline plugin and the Pipeline as Code feature available after the release of Jenkins 2.0.

Who This Book Is For: If you are a Jenkins novice or beginner with a basic or no understanding of Continuous Integration, then this is the book for you. Beginners in Jenkins will get quick hands-on experience and gain the confidence to explore the use of Jenkins further.

What You Will Learn: Get to grips with the challenges faced by developer communities. Learn about Continuous Integration and how it helps build various Java applications. Facilitate the installation and configuration of Jenkins. Install and configure code repositories and build tools. Learn about the integration of Eclipse with Jenkins. Manage the integration of Jenkins code repositories and build tools. Familiarize yourself with Continuous Integration for Java applications with unit test execution and static code analysis. Learn about Continuous Delivery and how to deploy applications in AWS and Microsoft Azure.

In Detail: In agile development practices, developers need to integrate their work frequently to fix bugs or to create a new feature or functionality. Jenkins is used specifically for Continuous Integration, helping to enforce the principles of agile development. This book focuses on the latest and stable release of Jenkins 2.5 and later, featuring the latest features such as Pipeline as Code, the new setup experience, and the improved UI. With the all-new Pipeline as Code feature, you will be able to build simple or advanced pipelines easily and rapidly, hence improving your team's productivity. This book begins by tackling the installation of the necessary software dependencies and libraries you'll need to perform Continuous Integration for a Java application. From there, you'll integrate code repositories, applications, and build tools for the implementation of Continuous Integration. Finally,

you will also learn how to automate your deployment on cloud platforms such as AWS and Microsoft Azure along with a few advanced testing techniques Style and approach This book provides simple step by step instructions taking you from start to finish in accomplishing real world Continuous Integration and Continuous Delivery tasks **Continuous Delivery** Prasanna Singaraju, 2016-09-09 Continuous Delivery is a Novel set in an Enterprise IT backdrop This is a work of fiction involving the key stakeholders in a large retail players IT organization For those of you in IT who read this book can relate to one of the characters in this novel or would know someone that would The intention of this book is to convey the importance of Continuous Delivery and the challenges encountered during the journey in a novel like light hearted vein **Learning**

Continuous Integration with Jenkins 2.X- Second Edition 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 **HANDS-ON DEVOPS FOR ARCHITECTS** ROBERT. AIELLO,2018 **Continuous Delivery Handbook**
Stephen Fleming,2018-09-11 Are you a non coder looking for insight into Continuous Delivery with DevOps Microservices
Architecture and Kubernetes You may be a Consultant Advisor Project Manager or a novice into IT industry after going
through this guide you would be able to appreciate Continuous Delivery through DevOps Microservices and other related
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complete lifecycle for your understanding like Integrating Testing Deploying DevOps and Microservices architecture and the
Security concerns while deploying it I am confident that after going through the book you would be able to navigate the
discussion with any stakeholder and take your agenda ahead as per your role Additionally if you are new to the industry and
looking for an application development job this book will help you to prepare with all the relevant information and
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Continuous Delivery I am also providing additional booklet containing all the relevant news trends and resources for DevOps
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Ignite the flame of optimism with its motivational masterpiece, **Continuous Delivery And Devops A Quickstart Second Edition** . In a downloadable PDF format (*), this ebook is a beacon of encouragement. Download now and let the words propel you towards a brighter, more motivated tomorrow.

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Continuous Delivery And Devops A Quickstart Second Edition Introduction

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