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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Danilo Sato

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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   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 in to 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

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 **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 *DevOps Handboek* Oleg Skrynnik,2019-03-27 Dit boek legt de managementaspecten van DevOps uit voor degenen die zich professioneel bezighouden met informatie en technologiemanagement Het is geschreven voor IT specialisten IT managers en IT executives Het toont DevOps niet als een fenomeen dat geassocieerd wordt met nieuwe automatiseringstools programmeertechnieken of technologie n en het verschilt van andere boeken door het gestructureerde verhaal misschien is het overmatig gestructureerd en door de poging om het fenomeen DevOps volledig te dekken op zowel een basis als een fundamenteel niveau Door die benadering wordt de lezer zich bewust van het nieuwe onderwerp en helpt het boek de fundering de bouwen de basis De lezer leert over de oorsprong van DevOps de onvermijdelijkheid van zijn opkomst de belangrijkste voorwaarden ervan en hoe die in de praktijk tot uiting komen over de praktijk zelf en de principes waarop die is gebaseerd In dit boek staat de stof voor de EXIN DevOps Foundation certificering Dit examen test het begrip van 1 de basisconcepten van DevOps 2 hoe deze aan elkaar gerelateerd zijn en 3 de waarde van DevOps voor de business EXIN DevOps Foundation is het eerste niveau van het EXIN DevOps certificeringsprogramma De EXIN DevOps Professional certificering test de kennis van de DevOps praktijk en van hoe teams te integreren De EXIN DevOps Master certificering gaat over het bevorderen van organisatieverandering en over het toeleiden naar continu leveren en verbeteren *DevOps для ИТ-менеджеров* Олег Скрынник,2018-01-02 *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 *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 DevOpsDevOps 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   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 ChefAbout This Book 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 bookWho This Book Is ForThis book is 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 qualityIn DetailDevOps 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 Style and approachThis 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 to perform continuous delivery integration and deployment with DevOps Note This book is a blend of text and quizzes all packaged up keeping your journey in mind It includes content from the following Packt product Hands on DevOps by Sricharan Vadapalli   Continuous Delivery Handbook Stephen Fleming,2018-07-31 Are you a non coder looking for insight into DevOps Microservices Architecture and Kubernetes As the industry is moving towards maximum digitization there is a consensus that DevOps practices help you deliver software faster more reliable and with fewer errors 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 DevOps Microservices and other related concepts like Kanban Scrum Agile SOA Monolith Architecture DevOps Docker Kubernetes etc You would also get to know about the leaders in DevOps and Microservices adoption and impact it had on the overall agility and hyper growth of the adopters This book covers the 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

understanding of the topic I am also providing additional booklet containing all the relevant news trends and resources for DevOps and Microservices Architecture **DevOps in Amazon Web Services** Paul M. Duvall,2017-12 For thousands of companies the Amazon Web Services AWS cloud is today s software development environment of choice Now there s a complete guide to using DevOps and continuous delivery techniques on AWS so you can reliably deliver new features to users and customers at the click of a button First leading software development consultant Paul Duvall concisely reviews DevOps principles culture and goals Next using a realistic reference implementation he offers detailed hands on guidance on applying automation throughout the entire AWS cloud software delivery process Finally he presents up to date case studies of companies applying DevOps throughout their own modern development environments from Netflix to AMC Health to the U S government Using principles patterns and examples you ll find here you can make the most of DevOps and continuous delivery with today s most widely used cloud platform What s more you ll master skills you can use as AWS evolves or with any other cloud platform you choose *Continuous Delivery with Azure DevOps* Paul Hacker,2018 **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 2About 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 0Who This Book Is ForIf 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 AzureIn DetailIn 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 teams 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 approachThis book provides simple step by step instructions taking you from start to finish in accomplishing real world Continuous Integration and Continuous Delivery tasks **DevOps Master Courseware** Alejandro Pestchanker,2019-10-25 Besides the DevOps Master Courseware ISBN 978 94 018 313 7 publication you are advised to obtain the publication The DevOps Handbook How to Create World Class Agility Reliability and Security in Technology Organizations ISBN 978 19 427 8800 3 The word DevOps is a contraction of Development and Operations DevOps is a set of best practices that emphasize the collaboration and communication of IT professionals developers operators and support staff in the lifecycle of applications and services leading to Continuous Integration merging all developed working copies to a shared mainline severBesides the DevOps Master Courseware ISBN 978 94 018 362 5 publication you are advised to obtain the publication The DevOps Handbook How to Create World Class Agility Reliability and Security in Technology Organizations ISBN 978 19 427 8800 3 The word DevOps is a contraction of Development and Operations DevOps is a set of best practices that emphasize the collaboration and communication of IT professionals developers operators and support staff in the lifecycle of applications and services leading to Continuous Integration merging all developed working copies to a shared mainline several times a day Continuous Deployment release continuously or as often as possible Continuous Feedback seek feedback from stakeholders during all lifecycle stages The DevOps practices covered in this certification are derived from the Three Ways The First Way is to enable the work to move fast from left to right from Development to Operations to the customer The Second Way is to enable feedback to go fast from right to left from all stakeholders back into the value stream The Third Way is to enable learning by creating a high trust culture of experimentation and risk taking Moreover the crucial subjects of security in all stages and maintaining compliance during change are covered The certification has been developed in cooperation with experts in the DevOps work field Recommended per knowledge Pre knowledge of Agile Lean and or IT Service Management for instance through the EXIN Agile Scrum Foundation exam LITA Lean IT Foundation exam or EXIN IT Service Management Foundation based on ISO IEC 20000 exam is recommended al times a day Continuous Deployment release continuously or as often as possible Continuous Feedback seek feedback from stakeholders during all lifecycle stages The DevOps practices covered in this certification are derived from the Three Ways The First Way is to enable the work to move fast from left to right from Development to Operations to the customer The Second Way is to enable feedback to go fast from right to left from all stakeholders back into the value stream The Third Way is to enable learning by creating a high trust culture of experimentation and risk taking Moreover the crucial subjects of security in all stages and maintaining compliance during change are covered The certification has been developed in cooperation with experts in the DevOps work field Recommended per knowledge Pre knowledge of Agile Lean

and or IT Service Management for instance through the EXIN Agile Scrum Foundation exam LITA Lean IT Foundation exam or EXIN IT Service Management Foundation based on ISO IEC 20000 exam is recommended **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 *DevOps Essentials on AWS* Paul M. Duvall,2017 In DevOps Essentials on AWS Complete Video Course you ll learn how to automate the infrastructure and deployment pipelines using AWS services and tools so if you re some type of software or DevOps focused engineer or architect interested in learning how to use AWS Developer Tools to create a full lifecycle software delivery solution it s the course for you The focus of the course is on deployment pipeline architectures and its implementations versus software architectures for example monoliths microservices FaaS BaaS etc Resource description

page *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 in Practice** Danilo Sato,2014-04-16 DevOps is a cultural and professional movement that s trying to break these walls Focused on automation collaboration tool sharing and knowledge sharing DevOps has been revealing that developers and system engineers have a lot to learn from one another In this book Danilo Sato will show you how to implement DevOps and Continuous Delivery practices so as to raise your system s deployment frequency at the same time as increasing the production application s stability and robustness You will learn how to automate a web application s build and deploy phases and the infrastructure management how to monitor the system deployed to production how to evolve and migrate an architecture to the cloud and still get to know several other tools that you can use on your company

Unveiling the Energy of Verbal Art: An Psychological Sojourn through **Continuous Delivery And Devops A Quickstart Guide Second Edition Swartout Paul**

In some sort of inundated with screens and the cacophony of instantaneous communication, the profound energy and mental resonance of verbal art often diminish in to obscurity, eclipsed by the regular onslaught of sound and distractions. However, nestled within the musical pages of **Continuous Delivery And Devops A Quickstart Guide Second Edition Swartout Paul**, a interesting perform of literary brilliance that impulses with raw thoughts, lies an unforgettable trip waiting to be embarked upon. Penned by a virtuoso wordsmith, this enchanting opus instructions readers on a psychological odyssey, delicately exposing the latent possible and profound affect embedded within the delicate internet of language. Within the heart-wrenching expanse of the evocative examination, we shall embark upon an introspective exploration of the book is main subjects, dissect its fascinating publishing type, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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Table of Contents Continuous Delivery And Devops A Quickstart Guide Second Edition Swartout Paul

Continuous Delivery And Devops A Quickstart Guide Second Edition Swartout Paul Introduction

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