The Devops 2 0 Toolkit Automating The Continuous Deployment Pipeline With Containerized Microservices

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Viktor Farcic - The DevOps 2.0 Toolkit

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DevOps 2.1 Toolkit *Jenkins World 2017 w/ Viktor Farcic, DevOps Toolkit Book* The Best DevOps Tools for 2020 (What DevOps Tools to Use) Argo CD: Applying GitOps Principles To Manage Production Environment In Kubernetes **Chef vs Puppet vs Ansible vs Saltstack | Configuration Management Tools | DevOps Tools | Simplilearn** DevOps 2.1 Toolkit: Continuous Deployment with Jenkins and Docker Swarm *Top 10 DevOps Tools | Learn DevOps Tools | Best DevOps Tools | DevOps Tools Tutorial | Intellipaat* **Python For DevOps** How I Passed 3 AWS Exams in 3 Months 2020 What is DevOps? - In Simple English **Why Companies Like Google And Facebook Pay Hackers Millions What is DevOps? Easy way What is Ansible | Ansible Playbook explained | Ansible Tutorial for Beginners The Death of DevOps (as we know it)** 4 Most Important Continuous Testing Tools

What Are the Prerequisites to Learn DevOps?**Metasploit For Beginners - #1 - The Basics - Modules, Exploits \u0026 Payloads** 30 Jenkins features and plugins you wished you had known about before! by Joep Weijers *DevOps Project | DevOps Tools | Intellipaat* **The Functional Programmer's Toolkit - Scott Wlaschin GitHub Actions Tutorial - Basic Concepts and CI/CD Pipeline with Docker** What is Helm in Kubernetes? Helm and Helm Charts explained | Kubernetes Tutorial 23 **Linux Performance Tools, Brendan Gregg, part 1 of 2** *CI CD Pipeline Using Jenkins | Continuous Integration and Deployment | DevOps Tutorial | Edureka* **Class - 2 DevOps Training | Top 10 DevOps Tools You Must Know - DevOps Tools | Edureka** Complete guide to Visual Studio Code **The Devops 2 0 Toolkit**
Buy The DevOps 2.0 Toolkit: Automating the Continuous Deployment Pipeline with Containerized Microservices 1 by Farcic, Viktor (ISBN: 9781523917440) from Amazon's Book Store. Everyday low prices and free delivery on eligible orders.

The DevOps 2.0 Toolkit: Automating the Continuous ...

The DevOps 2.0 Toolkit is the perfect primer for anyone looking into continuous delivery or automation. You'll learn all the core fundamentals before learning how to automate these tasks. DevOps is a big field and it's growing every year. If you can learn both sides of the coin you'll become a true asset to any team you join. Book Contents

Book Review: The DevOps 2.0 Toolkit: Automating the ...

The Devops 2.0 Toolkit. Automating the Continuous Deployment Pipeline with Containerized Microservices About This Book - First principles of devops, Ansible, Docker, Kubernetes, microservices - Architect your software in a better and more efficient way with microservices packed as immutable containers - Practical guide describing an extremely modern and advanced devops toolchain that can be improved continuously Who This Book Is For If you are an intermediate-level developer who wants to ...

The Devops 2.0 Toolkit by Viktor Farcic - Goodreads

The DevOps 2.0 Toolkit. The DevOps 2.0 Toolkit encompasses the full microservices development and deployment lifecycle using some of the latest and greatest practices and tools. You'll take a look at Docker, Ansible, Ubuntu, Docker Swarm and Docker Compose, Consul and much more! You'll go through many practices and even more tools. Learn more by downloading this latest toolkit.

Resource - eBooks - The DevOps 2.0 Toolkit

Please give The DevOps 2.0 Toolkit: Automating the Continuous Deployment Pipeline with Containerized Microservices a try and let me know what you think. Any feedback is welcome and appreciated.

The DevOps 2.0 Toolkit

The DevOps 2.0 Toolkit Automating the Continuous Deployment Pipeline with Containerized Microservices

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The DevOps 2.0 Toolkit: Configuration Management Configuration management (CM) or provisioning tools have been around for quite some time. They are one of the first types of tools adopted by...

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Containers and Immutable Deployments (The DevOps 2.0 Toolkit)
The DevOps 2.0 Toolkit: Automating the Continuous Deployment Pipeline with Containerized Microservices [Farcic, Viktor] on Amazon.com. *FREE* shipping on qualifying offers. The DevOps 2.0 Toolkit: Automating the Continuous Deployment Pipeline with Containerized Microservices

The DevOps 2.0 Toolkit: Automating the Continuous ...
Mountain View, Calif., November 16, 2020 – Today Codefresh launched a new initiative – GitOps 2.0 – which seeks to solve limitations that have existed in GitOps and promote best practices for the future. Codefresh's support for the new standard includes

several new tools aimed at improving the experience and speed of continuous integration and delivery (CI/CD) with GitOps, all to help ...

Codefresh Launches First Components of GitOps 2.0 Offering ...

Building on The DevOps 2.0 Toolkit and The DevOps 2.1 Toolkit: Docker Swarm, Viktor Farcic brings his latest exploration of the Docker technology as he records his journey to explore two new programs, self-adaptive and self-healing systems within Docker. The DevOps 2.2 Toolkit: Self-Sufficient Docker Clusters is the latest book in Viktor Farcic's series that helps you build a full DevOps Toolkit.

Automating the Continuous Deployment Pipeline with Containerized MicroservicesAbout This Book* First principles of devops, Ansible, Docker, Kubernetes, microservices* Architect your software in a better and more efficient way with microservices packed as immutable containers* Practical guide describing an extremely modern and advanced devops toolchain that can be improved continuouslyWho This Book Is ForIf you are an intermediate-level developer who wants to master the whole microservices development and deployment lifecycle using some of the latest and greatest practices and tools, this is the book for you. Familiarity with the basics of Devops and Continuous Deployment will be useful.What You Will Learn * Get to grips with the fundamentals of Devops* Architect efficient software in a better and more efficient way with the help of microservices* Use Docker, Kubernetes, Ansible, Ubuntu, Docker Swarm and more* Implement fast, reliable and continuous deployments with zero-downtime and ability to roll-back* Learn about centralized logging and monitoring of your cluster* Design self-healing systems capable of recovery

from both hardware and software failuresIn DetailBuilding a complete modern devops toolchain requires not only the whole microservices development and a complete deployment lifecycle, but also the latest and greatest practices and tools. Victor Farcic argues from first principles how to build a devops toolchain. This book shows you how to chain together Docker, Kubernetes, Ansible, Ubuntu, and other tools to build the complete devops toolkit.Style and approach This book follows a unique, hands-on approach familiarizing you to the Devops 2.0 toolkit in a very practical manner. Although there will be a lot of theory, you won't be able to complete this book by reading it in a metro on a way to work. You'll need to be in front of your computer and get your hands dirty.

"This book is about techniques that help us architect software in a better and more efficient way: With microservices packed as immutable containers, then tested and deployed continuously to servers that are automatically provisioned with configuration management tools. It's about fast, reliable and continuous deployments with zero-downtime and the ability to roll-back. It's about scaling to any number of servers, designing self-healing systems capable of recovering from both hardware and software failures, and about centralized logging and monitoring of a cluster. We will cover some of the latest and greatest practices and a variety of tools such as: Docker, Kubernetes, Ansible, Ubuntu, Docker Swarm, Docker Compose, and Consul."--Back cover.

An advanced exploration of the skills and knowledge required for operating Kubernetes clusters, with a focus on metrics gathering and alerting, with the goal of making clusters and applications inside them autonomous through self-healing and self-adaptation. Key Features The sixth book of DevOps expert Viktor Farcic's bestselling DevOps Toolkit series, with an overview of advanced core Kubernetes techniques,-oriented towards monitoring and

alerting. Takes a deep dive into monitoring, alerting, logging, auto-scaling, and other subjects aimed at making clusters resilient, self-sufficient, and self-adaptive Discusses how to customise and create dashboards and alerts Book Description Building on The DevOps 2.3 Toolkit: Kubernetes, and The DevOps 2.4 Toolkit: Continuous Deployment to Kubernetes, Viktor Farcic brings his latest exploration of the Docker technology as he records his journey to monitoring, logging, and autoscaling Kubernetes. The DevOps 2.5 Toolkit: Monitoring, Logging, and Auto-Scaling Kubernetes: Making Resilient, Self-Adaptive, And Autonomous Kubernetes Clusters is the latest book in Viktor Farcic's series that helps you build a full DevOps Toolkit. This book helps readers develop the necessary skillsets needed to be able to operate Kubernetes clusters, with a focus on metrics gathering and alerting with the goal of making clusters and applications inside them autonomous through self-healing and self-adaptation. Work with Viktor and dive into the creation of self-adaptive and self-healing systems within Kubernetes. What you will learn Autoscaling Deployments and Statefulsets based on resource usage Autoscaling nodes of a Kubernetes cluster Debugging issues discovered through metrics and alerts Extending HorizontalPodAutoscaler with custom metrics Visualizing metrics and alerts Collecting and querying logs Who this book is for Readers with an advanced-level understanding of Kubernetes and hands-on experience.

The book envelops all aspects of building, testing, deploying, and monitoring services inside Docker Swarm clusters. We'll go through all the tools required for running a cluster. We'll go through the whole process with clusters running locally on a laptop. Once we are confident with the outcome, we'll translate the experience to different hosting providers like AWS, Azure, DigitalOcean, and so on. The book goes deeper into one of the subjects explored in The DevOps 2.0 Toolkit. It is updated to use the latest and greatest features and techniques introduced in Docker 1.12. We'll go through

many practices and even more tools. While there will be a lot of theory, this is a hands-on book. You won't be able to complete it by reading it in a metro on a way to work. You'll have to read this book while in front of the computer and get your hands dirty.

Viktor Farcic's latest book, The DevOps 2.1 Toolkit: Docker Swarm, shows you how to successfully integrate Docker Swarm into your DevOps toolset. About This Book Expand your DevOps Toolkit with the DevOps thought leader, Viktor Farcic Build, test, deploy, and monitor services inside Docker Swarm clusters Translate your understanding to different hosting providers like AWS, Azure, and DigitalOcean Go beyond simple deployment to explore how to create a continuous deployment process Extend the deep understanding you gained from Viktor's DevOps 2.0 Toolkit book Who This Book Is For This book is for professionals interested in the full microservices life cycle combined with continuous deployment and containers. Target audience could be architects who want to know how to design their systems around microservices. It could be DevOps wanting to know how to apply modern configuration management practices and continuously deploy applications packed in containers. It is for developers who would like to take the process back into their hands as well as for managers who would like to gain a better understanding of the process used to deliver software from the beginning to the end. This book is for everyone wanting to know more about the software development life cycle starting from requirements and design, through the development and testing all the way until deployment and post-deployment phases. We'll create the processes taking into account the best practices developed by and for some of the biggest companies. What You Will Learn Learn all aspects of Docker Swarm from building, testing, deploying, and monitoring services inside Docker Swarm clusters, available since Docker 1.12. Master the deeper logic of DevOps with Viktor, so that you can successfully apply that logic across any specific set of tools you're

working with. Translate a deep understanding to different hosting providers like AWS, Azure, DigitalOcean, among others. You'll go beyond simple deployment: you will explore with Viktor how to create a continuous deployment process. Accomplish zero-downtime deployments, and what to do in case of a failover. Know how to run services at scale, how to monitor the systems, and how to make it heal itself. In Detail Viktor Farcic's latest book, The DevOps 2.1 Toolkit: Docker Swarm, takes you deeper into one of the major subjects of his international best seller, The DevOps 2.0 Toolkit, and shows you how to successfully integrate Docker Swarm into your DevOps toolset. Viktor shares with you his expert knowledge in all aspects of building, testing, deploying, and monitoring services inside Docker Swarm clusters. You'll go through all the tools required for running a cluster. You'll travel through the whole process with clusters running locally on a laptop. Once you're confident with that outcome, Viktor shows you how to translate your experience to different hosting providers like AWS, Azure, and DigitalOcean. Viktor has updated his DevOps 2.0 framework in this book to use the latest and greatest features and techniques introduced in Docker. We'll go through many practices and even more tools. While there will be a lot of theory, this is a hands-on book. You won't be able to complete it by reading it on the metro on your way to work. You'll have to read this book while in front of the computer and get your hands dirty. Style and approach We'll go through many practices and even more tools. While there will be a lot of theory, this is a hands-on book. You'll have to read this book while in front of the computer and get your hands dirty. The goal is not to master one particular set of tools, but to learn the logic behind them so that you can apply it to your job in various contexts.

This book is about different techniques that help us architect software in a better and more efficient way: With microservices packed as immutable containers, tested and deployed continuously

to servers that are automatically provisioned with configuration management tools. It's about fast, reliable and continuous deployments with zero downtime and ability to roll-back. It's about scaling to any number of servers, the design of self-healing systems capable of recuperation from both hardware and software failures and about centralized logging and monitoring of the cluster. In other words, this book envelops the whole microservices development and deployment lifecycle using some of the latest and greatest practices and tools. We'll use Docker, Kubernetes, Ansible, Ubuntu, Docker Swarm and Docker Compose, Consul, Registrator, confd and more. We'll go through many practices and even more tools. Finally, while there will be a lot of theory, this is a hands-on book. You won't be able to complete it by reading it on the metro, on the way to work. You'll have to read this book in front of your computer and get your hands dirty.

Learn from an expert on how to use Kubernetes, the most adopted container orchestration platform. About This Book Get a detailed, hands-on exploration of everything from the basic to the most advanced aspects of Kubernetes Explore the tools behind not only the official project but also the third-party add-ons Learn how to create a wide range of tools, including clusters, Role Bindings, and Ingress Resources with default backends, among many applicable, real-word creations Discover how to deploy and manage highly available and fault-tolerant applications at scale with zero downtime Who This Book Is For This book is for professionals experienced with Docker, looking to get a detailed overview from the basics to the advanced features of Kubernetes. What You Will Learn Let Viktor show you the wide range of features available in Kubernetes—from the basic to the most advanced features Learn how to use the tools not only from the official project but also from the wide range of third-party add-ons Understand how to create a pod, how to Scale Bids with Replica Sets, and how to install both Kubectl and Minikube Explore the meaning of terms such as

container scheduler and Kubernetes Discover how to create a local Kubernetes cluster and what to do with it In Detail Building on The DevOps 2.0 Toolkit, The DevOps 2.1 Toolkit: Docker Swarm, and The DevOps 2.2 Toolkit: Self-Sufficient Docker Clusters, Viktor Farcic brings his latest exploration of the DevOps Toolkit as he takes you on a journey to explore the features of Kubernetes. The DevOps 2.3 Toolkit: Kubernetes is a book in the series that helps you build a full DevOps Toolkit. This book in the series looks at Kubernetes, the tool designed to, among other roles, make it easier in the creation and deployment of highly available and fault-tolerant applications at scale, with zero downtime. Within this book, Viktor will cover a wide range of emerging topics, including what exactly Kubernetes is, how to use both first and third-party add-ons for projects, and how to get the skills to be able to call yourself a "Kubernetes ninja." Work with Viktor and dive into the creation and exploration of Kubernetes with a series of hands-on guides. Style and approach Readers join Viktor Farcic as he continues his exploration of DevOps and begins to explore the opportunities presented by Kubernetes.

To understand intricacies and inner workings of Jenkins X, we need to understand Kubernetes. But, you do not need to understand Kubernetes to use Jenkins X. That is one of the main contributions of the project. Jenkins X allows us to harness the power of Kubernetes without spending eternity learning the ever-growing list of the things it does. Jenkins X helps us by simplifying complex processes into concepts that can be adopted quickly and without spending months in trying to figure out "the right way to do stuff." It helps by removing and simplifying some of the problems caused by the overall complexity of Kubernetes and its ecosystem. If you are indeed a Kubernetes ninja, you will appreciate all the effort put into Jenkins X. If you're not, you will be able to jump right in and harness the power of Kubernetes without ripping your hair out of frustration caused by Kubernetes complexity.I'll skip telling you

that Kubernetes is a container orchestrator, how it manages our deployments, and how it took over the world by the storm. You hopefully already know all that. Instead, I'll define Kubernetes as a platform to rule them all. Today, most software vendors are building their next generation of software to be Kubernetes-native or, at least, to work better inside it. A whole ecosystem is emerging and treating Kubernetes as a blank canvas. As a result, new tools are being added on a daily basis, and it is becoming evident that Kubernetes offers near-limitless possibilities. However, with that comes increased complexity. It is harder than ever to choose which tools to use. How are we going to develop our applications? How are we going to manage different environments? How are we going to package our applications? Which process are we going to apply for application lifecycles? And so on and so forth. Assembling a Kubernetes cluster with all the tools and processes takes time, and learning how to use what we assembled feels like a never-ending story. Jenkins X aims to remove those and quite other obstacles.Jenkins X is opinionated. It defines many aspects of the software development lifecycle, and it makes decisions for us. It tells us what to do and how. It is like a tour guide on your vacation that shows you where to go, what to look at, when to take a photo, and when it's time to take a break. At the same time, it is flexible and allows power users to tweak it to fit their own needs.The real power behind Jenkins X is the process, the selection of tools, and the glue that wraps everything into one cohesive unit that is easy to learn and use. We (people working in the software industry) tend to reinvent the wheel all the time. We spend countless hours trying to figure out how to develop our applications faster and how to have a local environment that is as close to production as possible. We dedicate time searching for tools that will allow us to package and deploy our applications more efficiently. We design the steps that form a continuous delivery pipeline. We write scripts that automate repetitive tasks. And yet, we cannot escape the feeling that we are likely reinventing things that were already done by others. Jenkins

X is designed to help us with those decisions, and it helps us to pick the right tools for a job. It is a collection of industry's best practices. In some cases, Jenkins X is the one defining those practices, while in others it helps us adopting those made by others.If we are about to start working on a new project, Jenkins X will create the structure and the required files. If we need a Kubernetes cluster with all the tools selected, installed, and configured, Jenkins X will do that. If we need to create Git repositories, set webhooks, and create continuous delivery pipelines, all we need to do is execute a single `jx` command. The list of what Jenkins X does is vast, and it grows every day.

Lean Software Development: An Agile Toolkit Adapting agile practices to your development organization Uncovering and eradicating waste throughout the software development lifecycle Practical techniques for every development manager, project manager, and technical leader Lean software development: applying agile principles to your organization In Lean Software Development, Mary and Tom Poppendieck identify seven fundamental "lean" principles, adapt them for the world of software development, and show how they can serve as the foundation for agile development approaches that work. Along the way, they introduce 22 "thinking tools" that can help you customize the right agile practices for any environment. Better, cheaper, faster software development. You can have all three–if you adopt the same lean principles that have already revolutionized manufacturing, logistics and product development. Iterating towards excellence: software development as an exercise in discovery Managing uncertainty: "decide as late as possible" by building change into the system. Compressing the value stream: rapid development, feedback, and improvement Empowering teams and individuals without compromising coordination Software with integrity: promoting coherence, usability, fitness, maintainability, and adaptability How to "see the whole"–even when your developers are scattered across

multiple locations and contractors Simply put, Lean Software Development helps you refocus development on value, flow, and people–so you can achieve breakthrough quality, savings, speed, and business alignment.

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.

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