Api Driven Devops Strategies For Continuous Deployment

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API-Driven DevOps: Strategies for Continuous Deployment ...

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API-Driven DevOps by Nordic APIs [Leanpub PDF/iPad/Kindle]

Please enjoy API-Driven DevOps – Strategies for Continuous Deployment. Up next for our writing team is How to Successfully Market an API – the bible for project managers, technical evangelists, or marketing aficionados in the process of promoting an API program. In it we'll reveal how to plan an API-first business, how to make it discoverable, promote it to press and developer networks, establish quality developer relations, and advocate on behalf of your users to spark adoption and ...

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Api Driven Devops Strategies For Continuous Deployment

API Driven DevOps Strategies For Continuous Deployment API Driven DevOps Strategies For API-DrivenDevOps With increased power and responsibility, DevOps groups require more powerful and extensive tools to carry out their job Thank-fully, with the emergence of DevOps as a

[Book] API Driven DevOps Strategies For Continuous Deployment

With an API-led connectivity approach, teams can ensure that as an asset moves through the pipeline others are aware of it, can securely access it and know how to effectively use it. DevOps can help companies increase reliability and minimize disruption, helping them

move faster and adjust to change with greater ease.

Why an API strategy is critical for your DevOps ...

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Api Driven Devops Strategies For Continuous Deployment

In addition, an API strategy can help companies adopt a cloud-native approach by using cloud APIs, drive the DevOps pipeline through a version control system, and solve legacy system problems. api , APIs , automation , cloud-native , DevOps , efficiency , GitOps , IaC , infrastructure , Infrastructure as Code , Ops , role , web API , web APIs

The Role of APIs in DevOps | Nordic APIs

API-Driven DevOps: Strategies for Continuous Deployment - Kindle edition by Wood, Chris, van der Mersch, Vassili, Sandoval, Kristopher, Doerrfeld, Bill. Download it once and read it on your Kindle device, PC, phones or tablets. Use features like bookmarks, note taking and highlighting while reading API-Driven DevOps: Strategies for Continuous Deployment.

API-Driven DevOps: Strategies for Continuous Deployment ...

Figure 1: API Management DevOps Framework Using Agile methodology with an iterative approach in combination with DevOps tools and a culture of continuous integration and deployment can not only help build high-quality APIs but also shrink the release cycles.

DevOps for API development and management | Accenture

API-Driven DevOps: Strategies for Continuous Deployment Edition Format ebook Number of Pages 106 pages Book Language English

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API-Driven DevOps: Strategies for Continuous Deployment ...

To secure ROI from such projects, reduce time-to-market, and drive agility at scale, enterprises mainly focus on tools and processes that implement DevOps and microservices-/API-driven architecture. The DevOps automation strategies focus mainly on automation in code check-in and deployment processes like the use of CI/CD tools.

Maximizing DevOps ROI with Modern Application Practices ...

APIMATIC is a solution that allows developers to automatically generateSDKsfromAPIdescriptions,whichcanbeimportedfrom existingAPIBlueprint,SwaggerandRAMLAPIdescriptions.API-MATIC provides the functionality to initiate the code generation process from CI, by providing an API that can be called from a buildjobdefinition,allowingthecompiledSDKtokeepstepwith thestateoftheAPIautomatically.

API-DrivenDevOps

As more organizations shift to an API-first development strategy to further drive innovation, partnerships and rich end user experiences, the proliferation of demand and consumption of APIs can bring its own challenges, if not properly executed from the get-go.

Challenges of Designing API-Driven Experiences - DevOps.com

Despite these changes, testers very much have a place in a DevOps environment, it simply requires some adaptation — and a sound DevOps testing strategy. With that in mind, we sat down with Adam Satterfield, a QA leader at Anthem to put together the following tips for testing in a DevOps environment.

Seven Tips for Developing a DevOps Testing Strategy

API-Driven DevOps: Strategies for Continuous Deployment eBook: Wood, Chris, van der Mersch, Vassili, Sandoval, Kristopher, Doerrfeld, Bill: Amazon.in: Kindle Store

Gain in-depth insight into DevOps relative to your field of expertise and implement effective DevOps culture and processes within your organization Key Features Packed with step-by-step explanations and practical examples to help you get started with DevOps Develop the skills and knowledge you need to tackle the deployment of DevOps tools Discover technology trends such as FinOps and DevSecOps to get more value from DevOps Book Description DevOps is a set of best practices enabling operations and development teams to work together to produce higher-quality work and, among other things, quicker releases. This book helps you to understand the fundamentals needed to get started with DevOps, and prepares you to start deploying technical tools confidently. You will start by learning the key steps for implementing successful DevOps transformations. The book will help you to understand how aspects of culture, people, and process are all connected, and that without any one of these elements DevOps is unlikely to be successful. As you make progress, you will discover how to measure and quantify the success of DevOps in your organization, along with exploring the pros and cons of the main tooling involved in DevOps. In the concluding chapters, you will learn about the latest trends in DevOps and find out how the tooling changes when you work with these specialties. By the end of this DevOps book, you will have gained a clear understanding of the connection between culture, people, and processes within DevOps, and learned why all three are critically important. What you will learn Understand the importance of culture in DevOps Build, foster, and develop a successful DevOps culture Discover how to implement a successful DevOps framework Measure and define the success of DevOps transformation Get to grips with techniques for continuous feedback and iterate process changes

Discover the tooling used in different stages of the DevOps life cycle Who this book is for This book is for IT professionals such as support engineers and systems engineers and developers looking to learn DevOps and for those going through DevOps transformation. General knowledge of IT and business processes will be helpful. You'll also find this book useful if you are in a business or service role within technology such as service delivery management. Basic familiarity with DevOps and transformational methods such as value streams and process are needed to get the most out of this book.

A strategy and implementation guide for building, deploying, and managing APIs Key Features Comprehensive, end-to-end guide to business-driven enterprise APIs Distills years of experience with API and microservice strategies Provides detailed guidance on implementing API-led architectures in any business Book Description APIs are the cornerstone of modern, agile enterprise systems. They enable access to enterprise services from a wide variety of devices, act as a platform for innovation, and open completely new revenue streams. Enterprise API Management shows how to define the right architecture, implement the right patterns, and define the right organization model for business-driven APIs. Drawing on his experience of developing API and microservice strategies for some of the world's largest companies, Luis Weir explains how APIs deliver value across an enterprise. The book explores the architectural decisions, implementation patterns, and management practices for successful enterprise APIs, as well as providing clear, actionable advice on choosing and executing the right API strategy in your enterprise. With a relentless focus on creating business value, Luis Weir reveals an effective method for planning, building, and running business products and services with APIs. What you will learn Create API strategies to deliver business value Monetize APIs, promoting them through public marketplaces and directories Develop API-led architectures, applying best practice architecture patterns Choose between REST, GraphQL, and gRPC-style API architectures Manage

APIs and microservices through the complete life cycle Deploy APIs and business products, as well as Target Operating Models Lead product-based organizations to embrace DevOps and focus on delivering business capabilities Who this book is for Architects, developers, and technology executives who want to deliver successful API strategies that bring business value.

Learn, understand, and apply people-, process-, and technology-related practices to make OpenShift and DevOps adoption a success within your organization.

Innovate at scale through well-architected API-led products that drive personalized, predictive, and adaptive customer experiences Key Features Strategize your IT investments by modeling enterprise solutions with an API-centric approach Build robust and reliable API platforms to boost business agility and omnichannel delivery Create digital value chains through the productization of your APIs Book Description API-centric architectures are foundational to delivering omnichannel experiences for an enterprise. With this book, developers will learn techniques to design loosely coupled, cloud-based, business-tier interfaces that can be consumed by a variety of client applications. Using real-world examples and case studies, the book helps you get to grips with the cloudbased design and implementation of reliable and resilient API-centric solutions. Starting with the evolution of enterprise applications, you'll learn how API-based integration architectures drive digital transformation. You'll then learn about the important principles and practices that apply to cloud-based API architectures and advance to exploring the different architecture styles and their implementation in Azure. This book is written from a practitioner's point of view, so you'll discover ideas and practices that have worked successfully in various customer scenarios. By the end of this book, you'll be able to architect, design, deploy, and monetize your API solutions in the Azure cloud while implementing best practices and industry standards. What you will learn Explore the benefits of API-led

architecture in an enterprise Build highly reliable and resilient, cloud-based, API-centric solutions Plan technical initiatives based on Well-Architected Framework principles Get to grips with the productization and management of your API assets for value creation Design high-scale enterprise integration platforms on the Azure cloud Study the important principles and practices that apply to cloud-based API architectures Who this book is for This book is for solution architects, developers, engineers, DevOps professionals, and IT decision-makers who are responsible for designing and developing large distributed systems. Familiarity with enterprise solution architectures and cloud-based design will help you to comprehend the concepts covered in the book easily.

A practical guide to implementing Value Stream Management to guide your strategic investments in DevOps capabilities and deliver customer-centric value quickly and economically Key Features Address DevOps implementation issues, including culture, toolchain costs, improving work and information flows, and product team alignment Implement proven VSM methodology to improve IT value stream flows Leverage VSM platforms to view, analyze, and improve end-to-end value delivery Book Description Value Stream Management (VSM) opens the door to maximizing your DevOps pipeline investments by improving flows and eliminating waste. VSM and DevOps together deliver value stream improvements across enterprises for a competitive advantage in the digital world. Driving DevOps with Value Stream Management provides a comprehensive review and analysis of industry-proven VSM methods and tools to integrate, streamline, and orchestrate activities within a DevOps-oriented value stream. You'll start with an introduction to the concepts of delivering value and understand how VSM methods and tools support improved value delivery from a Lean production perspective. The book covers the complexities of implementing modern CI/CD and DevOps pipelines and then guides you through an eight-step VSM methodology with the help of a use case showing an Agile team's efforts to install a CI/CD

pipeline. Free from marketing hype or vendor bias, this book presents the current VSM tool vendors and customer use cases that showcase their products' strengths. As you advance through the book, you'll learn four approaches to implementing a DevOps pipeline and get guidance on choosing the best fit. By the end of this VSM book, you'll be ready to develop and execute a plan to streamline your software delivery pipelines and improve your organization's value stream delivery. What you will learn Integrate Agile, systems thinking, and lean development to deliver customer-centric value Find out how to choose the most appropriate value stream for your initial and follow-on VSM projects Establish better flows with integrated, automated, and orchestrated DevOps and CI/CD pipelines Apply a proven eight-step VSM methodology to drive lean IT value stream improvements Discover the key strengths of modern VSM tools and their customer use case scenarios Understand how VSM drives DevOps pipeline improvements and value delivery transformations across enterprises Who this book is for This book will help corporate executives, managers, IT team members, and other stakeholders involved in digital business transformations to improve the flow of customer value through their IT-based value streams. It will provide you with the practical guidance you need while adopting Lean-Agile, Value Stream Management, and DevOps capabilities on an enterprise scale to enable business agility. A basic understanding of how CI/CD and DevOps pipelines improve software delivery capabilities via integrated and automated toolchains will help you to make the most of the book.

Updated for Docker Community Edition v18.09! Docker book designed for SysAdmins, SREs, Operations staff, Developers and DevOps who are interested in deploying the open source container service Docker. In this book, we'll walk you through installing, deploying, managing, and extending Docker. We're going to do that by first introducing you to the basics of Docker and its components. Then we'll start to use Docker to build containers and services to perform a variety of tasks. We're going to take you through the

development lifecycle, from testing to production, and see where Docker fits in and how it can make your life easier. We'll make use of Docker to build test environments for new projects, demonstrate how to integrate Docker with continuous integration workflow, and then how to build application services and platforms. Finally, we'll show you how to use Docker's API and how to extend Docker yourself. We'll teach you how to: * Install Docker. * Take your first steps with a Docker container. * Build Docker images. * Manage and share Docker images. * Run and manage more complex Docker containers. * Deploy Docker containers as part of your testing pipeline. * Build multi-container applications and environments. * Learn about orchestration using Compose and Swarm for the orchestration of Docker containers and Consul for service discovery. * Explore the Docker API. * Getting Help and Extending Docker.

Learn to design, implement, measure, and improve DevOps programs that are tailored to your organization. This concise guide assists leaders who are accountable for the rapid development of high-quality software applications. In DevOps for Digital Leaders, deep collective experience on both sides of the dev–ops divide informs the global thought leadership and penetrating insights of the authors, all three of whom are cross-portfolio DevOps leaders at CA Technologies. Aruna Ravichandran, Kieran Taylor, and Peter Waterhouse analyze the organizational benefits, costs, freedoms, and constraints of DevOps. They chart the coordinated strategy of organizational change, metrics, lean thinking, and investment that an enterprise must undertake to realize the full potential of DevOps and reach the sweet spot where accelerating code deployments drive increasing customer satisfaction, revenue, and profitability. Digital leaders are charged to bridge the dev–ops disconnect if their organizations are to survive and flourish in a business world increasingly differentiated by the degree to which dynamic application software development harmonizes with operational resilience and reliability. This short book applies the DevOps perspective to the competitive challenge, faced by every high-

performance IT organization today, of integrating and automating open source, cloud, and enterprise tools, processes, and techniques across the software development life cycle from requirements to release. What You Will Learn: Remove dependencies and constraints so that parallel practices can accelerate the development of defect-free software Automate continuous delivery across the software life cycle to eliminate release bottlenecks, manual labor waste, and technical debt accumulation Generate virtualized production-style testing of applications through real-time behavioral analytics Adopt agile practices so operations teams can support developer productivity with automated feedback, streamline infrastructure monitoring, spot and resolve operations issues before they impact production, and improve customer experience Identify the DevOps metrics appropriate to your organization and integrate DevOps with your existing best practices and investment Who This Book Is For: IT leaders in large companies and government agencies who have any level of responsibility for the rapid development of high-quality software applications. The secondary readership is members of development and operations teams, security professionals, and service managers.

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

rolling, A/B, blue-green, and canary Implement continuous integration pipelines with OpenShift's Jenkins capability Explore mechanisms for separating and managing configuration from static runtime software Learn how to use and customize OpenShift's source-to-image capability Delve into management and operational considerations when working with OpenShift-based application workloads Install a self-contained local version of the OpenShift environment on your computer

Transform your IT organization from one weighed down by set practices to one with a DevOps culture and a cloud-first strategy that is optimized by automation and other lean practices. In this engaging read, you will discover the opportunities, challenges, lessons, and rewards that CA Technologies encountered when making their agile and DevOps transformation. In Enterprise DevOps Framework author Shamayel Farooqui shows you how agile adoption will enable your organization to stay ahead in an ever-changing business environment and meet your customers' needs. He includes detailed references to key concepts such as agile, hybrid and cloud technology, infrastructure management, and process automation. What You'll Learn Establish the focus areas for your IT organization Prepare for the challenges of transforming your enterprise to a DevOps, agile organization Know the key steps for executing an enterprise DevOps strategy Build a strong team of DevOps individuals focused on improving the efficiency of your organization through Agile methodologies, automation, cloud adoption, and "infrastructure as code" practices Who This Book Is For IT administrators, operational personnel, cloud professionals, DevOps professionals, human resources professionals, managers, and C-level staff

A lot of work is required to release an API, but the effort doesn't always pay off. Overplanning before an API matures is a wasted investment, while underplanning can lead to disaster. This practical guide provides maturity models for individual APIs and multi-API

landscapes to help you invest the right human and company resources for the right maturity level at the right time. How do you balance the desire for agility and speed with the need for robust and scalable operations? Four experts from the API Academy show software architects, program directors, and product owners how to maximize the value of their APIs by managing them as products through a continuous life cycle. Learn which API decisions you need to govern and how and where to do so Design, deploy, and manage APIs using an API-as-a-product (AaaP) approach Examine ten pillars that form the foundation of API product work Learn how the continuous improvement model governs changes throughout an API's lifetime Explore the five stages of a complete API product life cycle Delve into team roles needed to design, build, and maintain your APIs Learn how to manage your API landscape—the set of APIs published by your organization

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