

## 5 Cs Of Devops Wordpress

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.

Intrapreneurship is a powerful engine which requires handy driving: sponsorship, business commitment, clear deadlines, and tight intrapreneurs' coaching, are the most prevalent. With this guide, full of insights and strategy, you will go through 10 shrewd steps to build a program for intrapreneurs, and discover over 20 exemplary intrapreneurs stories. Find out how AccorHotels, Airbus, Air France, Air Liquide, BNP Paribas, Bosch, Bouygues, Coca-Cola, Continental, Deutsche Telekom, Deutsche Bahn, Engie, Google, La Poste, Lufthansa IT, LVMH, makesense, Merck, French Ministry of the Armed Forces, Nexity, Nissan Europe, Orange, Red Cross France, SNCF, Société Générale, Safran, Spring Lab, Swisscom, Telefonica, Thales, Tilkee, Total, Trumpf, Vinci, make use of intrapreneurship. "Speed of customer learning is the new unfair advantage and going fast requires a new playbook. Nicolas' book delivers just that. It's full of concrete examples, recipes, and tactics from top corporates for your intrapreneurship journey."Ash Maurya, author of Running Lean and Scaling Lean, creator of Lean Canvas "A wealth of good advice, and recent examples, by Nicolas Bry, an innovation expert, and savvy intrapreneurship practitioner!" Véronique Bouchard, full professor emlyon business school, intrapreneurship expert Building Your Next Big Thing with Google Cloud Platform shows you how to take advantage of the Google Cloud Platform technologies to build all kinds of cloud-hosted software and services for both public and private consumption. Whether you need a simple virtual server to run your legacy application or you need to architect a sophisticated high-traffic web application, Cloud Platform provides all the tools and products required to create innovative applications and a robust infrastructure to manage them. Google is known for the scalability, reliability, and efficiency of its various online products, from Google Search to Gmail. And, the results are impressive. Google Search, for example, returns results literally within fractions of second. How is this possible? Google custom-builds both hardware and software, including servers, switches, networks, data centers, the operating system's stack, application frameworks, applications, and APIs. Have you ever imagined what you could build if you were able to tap the same infrastructure that Google uses to create and manage its products? Now you can! Building Your Next Big Thing with Google Cloud Platform shows you how to take advantage of the Google Cloud Platform technologies to build all kinds of cloud-hosted software and services for both public and private consumption. Whether you need a simple virtual server to run your legacy application or you need to architect a sophisticated high-traffic web application, Cloud Platform provides all the tools and products required to create innovative applications and a robust infrastructure to manage them. Using this book as your compass, you can navigate your way through the Google Cloud Platform and turn your ideas into reality. The authors, both Google Developer Experts in Google Cloud Platform, systematically introduce various Cloud Platform products one at a time and discuss their strengths and scenarios where they are a suitable fit. But rather than a manual-like "tell all" approach, the emphasis is on how to Get Things Done so that you get up to speed with Google Cloud Platform as quickly as possible. You will learn how to use the following technologies, among others: Google Compute Engine Google App Engine Google Container Engine Google Cloud SQL Google Cloud Storage Google Cloud Datastore Google BigQuery Google Cloud Dataflow Google Cloud DNS Google Cloud Pub/Sub Google Cloud Endpoints Google Cloud Deployment Manager Author on Google Cloud Platform Google APIs and Translate API Using real-world examples, the authors first walk you through the basics of cloud computing, cloud terminologies and public cloud services. Then they dive right into Google Cloud Platform and how you can use it to tackle your challenges, build new products, analyze big data, and much more. Whether you're an independent developer, startup, or Fortune 500 company, you have never had easier to access to world-class production, product development, and infrastructure tools. Google Cloud Platform is your ticket to leveraging your skills and knowledge into making reliable, scalable, and efficient products—just like how Google builds its own products. Deliver High-Value, Streamlined Enterprise Applications and Systems with DevOps Enterprise IT has unique needs, capabilities, limitations, and challenges. DevOps is perfectly suited to deliver high-value applications and systems with velocity and agility, enabling innovation and speed while never sacrificing quality. But until now, most DevOps instruction has been focused on start-ups and born-on-the-web companies with an entirely different set of requirements. In The DevOps Adoption Playbook, IBM Distinguished Engineer Sanjeev Sharma shows you exactly how to adopt DevOps in the enterprise based on your organization's business goals, current state of IT maturity, and IT technologies and platforms. Derived from his own experience helping companies in a wide variety of industries to successfully adopt DevOps, it outlines how to get your organization on board, meet the challenges, and move into the fast lane. Like a sports playbook, this guide provides "plays" that can be executed for different scenarios and situations within your company. You will learn to create an individual game plan that factors in specifics of your business and get your team working together with a common goal. The DevOps Adoption Playbook shows you how to: Understand the elements and capabilities of DevOps Respond to the challenges of a multi-speed IT environment Identify the business goals that large enterprises can meet with DevOps Implement DevOps in large-scale enterprise IT environments Achieve high-value innovation and optimization with low cost and risk Exceed business goals with higher product release efficiency Apply DevOps across multiple technologies from mainframe, mobile, containers, microservices, to cloud technologies Research School on Statistics and Data Science, RSSDS 2019, Melbourne, VIC, Australia, July 24–26, 2019, Proceedings

How Agile Masters Deliver Great Software

Making Work Visible

Microsoft Azure Security Center

The Intrapreneurs' Factory

Simplifying how to build, package, and distribute applications for Kubernetes

Exposing Time Theft to Optimize Workflow

It can be tough to roll out a pre-configured environment if you don't know what you're doing. We'll show you how to streamline your service options with Docker, so that you can scale in an agile, responsive manner. Key Features Learn how to structure your own Docker containers Create and manage multiple configuration images Understand how to scale and deploy bespoke environments Book Description Making sure that your application runs across different systems as intended is quickly becoming a standard development requirement. With Docker, you can ensure that what you build will behave the way you expect it to, regardless of where it's deployed. By guiding you through Docker from start to finish (from installation, to the Docker Registry, all the way through to working with Docker Swarms), we'll equip you with the skills you need to migrate your workflow to Docker with complete confidence. What you will learn Learn to design and build containers for different kinds of applications Create a testing environment to identify issues that may cause production deployments to fail Discover how you can correctly structure and manage a multi-tier environment Run, debug, and experiment with example applications in Docker containers Who this book is for This book is ideal for developers, system architects and site reliability engineers (SREs) who wish to adopt a Docker-based workflow for consistency, speed and isolation of system resources within their applications. You'll need to be comfortable working with the command line.

This book aims to provide a broad overview of various topics of Internet of Things (IoT), ranging from research, innovation and development priorities to enabling technologies, nanoelectronics, cyber-physical systems, architecture, interoperability and industrial applications. All this is happening in a global context, building towards intelligent, interconnected decision making as an essential driver for new growth and co-competition across a wider set of markets. It is intended to be a standalone book in a series that covers the Internet of Things activities of the IERC – Internet of Things European Research Cluster from research to technological innovation, validation and deployment.The book builds on the ideas put forward by the European Research Cluster on the Internet of Things Strategic Research and Innovation Agenda, and presents global views and state of the art results on the challenges facing the research, innovation, development and deployment of IoT in future years. The concept of IoT could disrupt consumer and industrial product markets generating new revenues and serving as a growth driver for semiconductor, networking equipment, and service provider end-markets globally. This will create new application and product end-markets, change the value chain of companies that creates the IoT technology and deploy it in various end sectors, while impacting the business models of semiconductor, software, device, communication and service provider stakeholders. The proliferation of intelligent devices at the edge of the network with the introduction of embedded software and app-driven hardware into manufactured devices, and the ability, through embedded software/hardware developments, to monetize those device functions and features by offering novel solutions, could generate completely new types of revenue streams. Intelligent and IoT devices leverage software, software licensing, entitlement management, and Internet connectivity in ways that address many of the societal challenges that we will face in the next decade.

Reduce the complexity of managing applications on Kubernetes and develop an enterprise pattern for application delivery Key Features Learn best practices from the core maintainer of Helm for application delivery and life cycle management Manage applications deployed in Kubernetes effectively using Helm Go beyond the basics when using Helm with key security considerations and management options Book Description Containerization is one of the best ways to implement DevOps, and learning how to execute it effectively is an essential part of a developer's skillset. Kubernetes is the current industry standard for container orchestration. This book will help you discover the efficiency of managing applications running on Kubernetes with Helm. Starting with a brief introduction to Helm and its impact on users working with containers and Kubernetes, you'll delve into the primitives of Helm charts and their architecture and use cases. From there, you'll understand how to write Helm charts in order to automate application deployment on Kubernetes and work your way toward more advanced strategies. These enterprise-ready patterns are focused on concepts beyond the basics so that you can use Helm optimally, looking at topics related to automation, application development, delivery, lifecycle management, and security. By the end of this book, you'll have learned how to leverage Helm to build, deploy, and manage applications on Kubernetes. What you will learn Understand how to deploy applications on Kubernetes with ease Package dynamic applications for deployment on Kubernetes Integrate Helm into an existing software release process Develop an enterprise automation strategy on Kubernetes using Helm Use Helm within a Helm Kubernetes operator Leverage Helm in a secure and stable manner that fits the enterprise Discover the ins and outs of automation with Helm Who this book is for This book is for Kubernetes developers or administrators who are interested in learning Helm to provide automation for app development on Kubernetes. Although no prior knowledge of Helm is required, basic knowledge of Kubernetes application development will be useful.

Cloud computing has become integrated into all sectors, from business to quotidian life. Since it has revolutionized modern computing, there is a need for updated research related to the architecture and frameworks necessary to maintain its efficiency. The Handbook of Research on End-to-End Cloud Computing Architecture Design provides architectural design and implementation studies on cloud computing from an end-to-end approach, including the latest industrial works and extensive research studies of cloud computing. This handbook enumerates deep dive and systemic studies of cloud computing from architecture to implementation. This book is a comprehensive publication ideal for programmers, IT professionals, students, researchers, and engineers.

Build scalable cloud-native applications using DevOps patterns created with Kubernetes

Cisco CCENT/CCNA ICND1 100-101 Official Cert Guide, Academic Edition

(ISC)2 CCSP Certified Cloud Security Professional Official Practice Tests

Software Architecture in the Age of Agility and Devops

ENGINEERING DESIGN PADA SISTEM INFORMASI

16th European Conference on Innovation and Entrepreneurship Vol 2

**&>CCENT/CCNA ICND1 100-101 Official Cert Guide, Academic Edition is a comprehensive textbook and study package for a beginner-level networking course. This book has been completely revised to align to Cisco's new CCENT 100-101 ICND1 exam. Material is presented in a concise manner, focusing on increasing student's retention and recall of exam topics. The book is printed in four color, allowing students to benefit from carefully crafted figures that utilize color to convey concepts. Students will organize their study through the use of the consistent features in these chapters, including:**

- **Foundation Topics — These sections make up the majority of the page count, explaining concepts, configurations, with emphasis on the theory and concepts, and with linking the theory to the meaning of the configuration commands.**
- **Key Topics — Inside the Foundation Topics sections, every figure, table, or list that should absolutely be understood and remembered for the exam is noted with the words “Key Topic” in the margin. This tool allows the reader to quickly review the most important details in each chapter.**
- **Chapter-ending Summaries — These bulleted lists provide a quick and concise review of the key topics covered in each chapter.**
- **Chapter-ending Review Questions — Each chapter provides a set of multiple choice questions that help student's test their knowledge of the chapter concepts, including answers and full explanations.**
- **Chapter-ending Exercises — Each chapter concludes with a series of exercises designed to help students increase their retention of the chapter content including key term reviews, key topic tables, command review exercises, and memory table exercises.**
- **Part Reviews — This new edition includes a new part review feature that helps students consolidate their knowledge of concepts presented across multiple chapters. A new mind mapping exercise helps students build strong mental maps of concepts. A new exam bank of part review questions helps students test themselves with scenario-based questions that span multiple topics. In addition to these powerful chapter learning, review, and practice features, this book also contains several other features that make it a truly effective and comprehensive study package, including:**
- **A Getting Started chapter at the beginning of the book offer terrific advice for how to use the book features and build an effective study plan.**
- **The DVD contains over 90 minutes of video mentoring from the author on challenging topics such as CLI navigation, router configuration, switch basics, VLANs, and subnetting.**
- **The book comes complete with the CCENT/CCNA ICND1 Network Simulator Lite software, providing students with the opportunity to practice their hands-on command line interface skills with Cisco routers and switches. The 13 labs included for free with this product cover a range of IP addressing configuration and troubleshooting exercises.**
- **The Pearson IT Certification Practice Test software that comes with the book includes 4 full ICND1 exams and 4 full CCNA exams, providing tons of opportunities to assess and practice. Including the book review questions and part review questions, the exam bank includes more than 600 unique practice questions.**
- **This book also comes with a free version of the Premium Edition eBook, allowing students to access the digital copy in PDF, EPUB, or Kindle format on their computer or mobile device.**
- **A Final Preparation Chapter helps students review for final exams and prepare to take the official Cisco CCNA exams, if they want to achieve that certification.**
- **A Study Plan Template is included on the DVD to help students organize their study time. The 1 hour 14 minute presentation found at the fo**

**"A past-paced guide for PHP developers ... Walk through the development of six complete, feature-rich, real-world plugins that are being used by thousands of WordPress users [Diggy this, Live blogroll, The wall, Snazzy archives, Insights, Post types] ; ... get to know the WordPress code base, and WordPress's plugin architecture ; hook into the rest of WordPress using actions and filters ; integrate Ajax and jQuery into your plugins, to dynamically generate content ; maintain and manage your plugin using SVN and publish it to the WordPress Plugin Repository." -- Cover, p.4**

**In Team Topologies DevOps consultants Matthew Skelton and Manuel Pais share secrets of successful team patterns and interactions to help readers choose and evolve the right team patterns for their organization, making sure to keep the software healthy and optimize value streams. Team Topologies will help readers discover:**

- **Team patterns used by successful organizations.**
- **Common team patterns to avoid with modern software systems.**
- **When and why to use different team patterns**
- **How to evolve teams effectively.**
- **How to split software and align to teams.**

**Printed in full color. Faced with a software project of epic proportions? Tired of over-committing and under-delivering? Enter the dojo of the agile samurai, where agile expert Jonathan Rasmusson shows you how to kick-start, execute, and deliver your agile projects. Combining cutting-edge tools with classic agile practices, The Agile Samurai gives you everything you need to deliver something of value every week and make rolling your software into production a non-event. Get ready to kick some software project butt. By learning the ways of the agile samurai you will discover: how to create plans and schedules your customer and your team can believe in what characteristics make a good agile team and how to form your own how to gather requirements in a fraction of the time using agile user stories what to do when you discover your schedule is wrong, and how to look like a pro correcting it how to execute fiercely by leveraging the power of agile software engineering practices By the end of this book you will know everything you need to set up, execute, and successfully deliver agile projects, and have fun along the way. If you're a project lead, this book gives you the tools to set up and lead your agile project from start to finish. If you are an analyst, programmer, tester, usability designer, or project manager, this book gives you the insight and foundation necessary to become a valuable agile team member. The Agile Samurai slices away the fluff and theory that make other books less-than-agile. It's packed with best practices, war stories, plenty of humor and hands-on tutorial exercises that will get you doing the right things, the right way. This book will make a difference.**

Continuous Delivery with Docker and Jenkins

Building the Hyperconnected Society- Internet of Things Research and Innovation Value Chains, Ecosystems and Markets

Beginning DevOps with Docker

A Guide for Developers and Enterprise Architects

The DevOps Handbook, Second Edition

The Art of Monitoring

A Practical Guide for Corporate Managers, to Leverage Intrapreneurship for Their Business, Their Employees, and the Greater Good

Winner of the 2011 Jolt Excellence Award! Getting software released to users is often a painful, risky, and time-consuming process. This groundbreaking new book sets out the principles and technical practices that enable rapid, incremental delivery of high quality, valuable new functionality to users. Through automation of the build, deployment, and testing process, and improved collaboration between developers, testers, and operations, delivery teams can get changes released in a matter of hours—sometimes even minutes—no matter what the size of a project or the complexity of its code base. Jez Humble and David Farley begin by presenting the foundations of a rapid, reliable, low-risk delivery process. Next, they introduce the “deployment pipeline,” an automated process for managing all changes, from check-in to release. Finally, they discuss the “ecosystem” needed to support continuous delivery, from infrastructure, data and configuration management to governance. The authors introduce state-of-the-art techniques, including automated infrastructure management and data migration, and the use of virtualization. For each, they review key issues, identify best practices, and demonstrate how to mitigate risks. Coverage includes

- Automating all facets of building, integrating, testing, and deploying software
- Implementing deployment pipelines at team and organizational levels
- Improving collaboration between developers, testers, and operations
- Developing features incrementally on large and distributed teams
- Implementing an effective configuration management strategy
- Automating acceptance testing.
- Testing capacity and other non-functional requirements
- Implementing continuous deployment and zero-downtime releases
- Managing infrastructure, data, components and dependencies
- Navigating risk management, compliance, and auditing

Whether you're a developer, systems administrator, tester, or manager, this book will help your organization move from idea to release faster than ever—you can deliver value to your business rapidly and reliably.

**\*\*\*Over a half-million sold! The sequel, The Unicorn Project, is coming Nov 26\*\*\***“Every person involved in a failed IT project should be forced to read this book.”—TIM O'REILLY, Founder & CEO of O'Reilly Media “The Phoenix Project is a must read for business and IT executives who are struggling with the growing complexity of IT.”—JIM WHITEHURST, President and CEO, Red Hat, Inc. Five years after this sleeper hit took on the world of

*IT and flipped it on it's head, the 5th Anniversary Edition of The Phoenix Project continues to guide IT in the DevOps revolution. In this newly updated and expanded edition of the bestselling The Phoenix Project, co-author Gene Kim includes a new afterword and a deeper delve into the Three Ways as described in The DevOps Handbook. Bill, an IT manager at Parts Unlimited, has been tasked with taking on a project critical to the future of the business, code named Phoenix Project. But the project is massively over budget and behind schedule. The CEO demands Bill must fix the mess in ninety days or else Bill's entire department will be outsourced. With the help of a prospective board member and his mysterious philosophy of The Three Ways, Bill starts to see that IT work has more in common with a manufacturing plant work than he ever imagined. With the clock ticking, Bill must organize work flow streamline interdepartmental communications, and effectively serve the other business functions at Parts Unlimited. In a fast-paced and entertaining style, three luminaries of the DevOps movement deliver a story that anyone who works in IT will recognize. Readers will not only learn how to improve their own IT organizations, they'll never view IT the same way again. "This book is a gripping read that captures brilliantly the dilemmas that face companies which depend on IT, and offers real-world solutions."—JEZ HUMBLE, Co-author of Continuous Delivery, Lean Enterprise, Accelerate, and The DevOps Handbook ———— "I'm delighted at how The Phoenix Project has reshaped so many conversations in technology. My goal in writing The Unicorn Project was to explore and reveal the necessary but invisible structures required to make developers (and all engineers) productive, and reveal the devastating effects of technical debt and complexity. I hope this book can create common ground for technology and business leaders to leave the past behind, and co-create a better future together."—Gene Kim, November 2019*

*CISSP Study Guide, Third Edition provides readers with information on the CISSP certification, the most prestigious, globally-recognized, vendor-neutral exam for information security professionals. With over 100,000 professionals certified worldwide, and many more joining their ranks, this new third edition presents everything a reader needs to know on the newest version of the exam's Common Body of Knowledge. The eight domains are covered completely and as concisely as possible, allowing users to ace the exam. Each domain has its own chapter that includes a specially-designed pedagogy to help users pass the exam, including clearly-stated exam objectives, unique terms and definitions, exam warnings, "learning by example" modules, hands-on exercises, and chapter ending questions. Provides the most complete and effective study guide to prepare users for passing the CISSP exam, giving them exactly what they need to pass the test Authored by Eric Conrad who has prepared hundreds of professionals for passing the CISSP exam through SANS, a popular and well-known organization for information security professionals Covers all of the new information in the Common Body of Knowledge updated in January 2015, and also provides two exams, tiered end-of-chapter questions for a gradual learning curve, and a complete self-test appendix*

*Simplify your DevOps roles with DevOps tools and techniques Key FeaturesLearn to utilize business resources effectively to increase productivity and collaborationLeverage the ultimate open source DevOps tools to achieve continuous integration and continuous delivery (CI/CD)Ensure faster time-to-market by reducing overall lead time and deployment downtimeBook Description The implementation of DevOps processes requires the efficient use of various tools, and the choice of these tools is crucial for the sustainability of projects and collaboration between development (Dev) and operations (Ops). This book presents the different patterns and tools that you can use to provision and configure an infrastructure in the cloud. You'll begin by understanding DevOps culture, the application of DevOps in cloud infrastructure, provisioning with Terraform, configuration with Ansible, and image building with Packer. You'll then be taken through source code versioning with Git and the construction of a DevOps CI/CD pipeline using Jenkins, GitLab CI, and Azure Pipelines. This DevOps handbook will also guide you in containerizing and deploying your applications with Docker and Kubernetes. You'll learn how to reduce deployment downtime with blue-green deployment and the feature flags technique, and study DevOps practices for open source projects. Finally, you'll grasp some best practices for reducing the overall application lead time to ensure faster time to market. By the end of this book, you'll have built a solid foundation in DevOps, and developed the skills necessary to enhance a traditional software delivery process using modern software delivery tools and techniques What you will learnBecome well versed with DevOps culture and its practicesUse Terraform and Packer for cloud infrastructure provisioningImplement Ansible for infrastructure configurationUse basic Git commands and understand the Git flow processBuild a DevOps pipeline with Jenkins, Azure Pipelines, and GitLab CIContainertize your applications with Docker and KubernetesCheck application quality with SonarQube and PostmanProtect DevOps processes and applications using DevSecOps toolsWho this book is for If you are a developer or a system administrator interested in understanding continuous integration, continuous delivery, and containerization with DevOps tools and techniques, this book is for you.*

*Official (ISC)2 Guide to the CISSP CBK*

*The Phoenix Project*

*Learning DevOps*

*Statistics and Data Science*

*Organizing Business and Technology Teams for Fast Flow*

*The complete guide to accelerate collaboration with Jenkins, Kubernetes, Terraform and Azure DevOps*

*Versatile Platforms for Systems and Processes*

*As a result of a rigorous, methodical process that (ISC) follows to routinely update its credential exams, it has announced that enhancements will be made to both the Certified Information Systems Security Professional (CISSP) credential, beginning April 15, 2015. (ISC) conducts this process on a regular basis to ensure that the examinations and*

*This book constitutes the proceedings of the Research School on Statistics and Data Science, RSSDS 2019, held in Melbourne, VIC, Australia, in July 2019. The 11 papers presented in this book were carefully reviewed and selected from 23 submissions. The volume also contains 7 invited talks. The workshop brought together academics, researchers, and industry practitioners of statistics and data science, to discuss numerous advances in the disciplines and their impact on the sciences and society. The topics covered are data analysis, data science, data mining, data visualization, bioinformatics, machine learning, neural networks, statistics, and probability.*

*The only official CCSP practice test product endorsed by (ISC)2 With over 1,000 practice questions, this book gives you the opportunity to test your level of understanding and gauge your readiness for the Certified Cloud Security Professional (CCSP) exam long before the big day. These questions cover 100% of the CCSP exam domains, and include answers with full explanations to help you understand the reasoning and approach for each. Logical organization by domain allows you to practice only the areas you need to bring you up to par, without wasting precious time on topics you've already mastered. As the only official practice test product for the CCSP exam endorsed by (ISC)2, this essential resource is your best bet for gaining a thorough understanding of the topic. It also illustrates the relative importance of each domain, helping you plan your remaining study time so you can go into the exam fully confident in your knowledge. When you're ready, two practice exams allow you to simulate the exam day experience and apply your own test-taking strategies with domains given in proportion to the real thing. The online learning environment and practice exams are the perfect way to prepare, and make your progress easy to track.*

*In this text, Smith and Nair take a new approach by examining virtual machines as a unified discipline and pulling together cross-cutting technologies. Topics include instruction set emulation, dynamic program translation and optimization, high level virtual machines (including Java and CLI), and system virtual machines for both single-user systems and servers.*

*CISSP Study Guide*

*A Guide to Adopting DevOps in a Multi-Speed IT Enterprise*

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

*The Agile Samurai*

*WordPress Plug-in Development (Beginner's Guide)*

*Azure DevOps Explained*

*Next Gen DevOps*

Berkembangnya rekayasa sistem informasi di era industri 4.0 memang meyakinkan. Sistem informasi yang dahulu kala hanya bagi perusahaan dan usaha kecil menengah kini merambah ke individual. Ditambah dengan kemampuan kecerdasan buatan, integrasi berbagai sistem lain dan kapabilitas cloud computing membuat rekayasa sistem informasi masuk ke babak baru pengembangan tanpa batas, namun penuh tantangan. Buku ini adalah buku hybrid yang mengombinasikan teori konvensional dengan implementasi modern di era industri 4.0. Buku ini dirancang bagi mahasiswa teknik informasi, teknologi informasi, sistem informasi, ilmu komputer, atau rekayasa perangkat lunak yang hendak memperdalam rekayasa sistem informasi modern. Pada buku ini akan dipelajari mengenai konsep business process reengineering, dasar rekayasa sistem informasi, manajemen proyek sistem informasi, DevOps di proyek sistem informasi, engineering design pada sistem informasi, dan praktik penerapan engineering design dengan DevOps. Selamat menempuh perjalanan rekayasa sistem informasi modern!

Part of a series of specialized guides on System Center, this book helps you optimize your System Center Data Protection Manager environment. It focuses on best practices, design concepts, how-to procedures, and in-depth technical troubleshooting.

A hands-on and introductory guide to the art of modern application and infrastructure monitoring and metrics. We start small and then build on what you learn to scale out to multi-site, multi-tier applications. The book is written for both developers and sysadmins. We focus on building monitored and measurable applications. We also use tools that are designed to handle the challenges of managing Cloud, containerised and distributed applications and infrastructure. In the book we'll deliver:
\* An introduction to monitoring, metrics and measurement.
\* A scalable framework for monitoring hosts (including Docker and containers), services and applications built on top of the Riemann event stream processor.
\* Graphing and metric storage using Graphite and Grafana.
\* Logging with Logstash.
\* A framework for high quality and useful notifications
\* Techniques for developing and building monitorable applications
\* A capstone that puts all the pieces together to monitor a multi-tier application.

Become familiar with Kubernetes and explore techniques to manage your containerized workloads and services Key FeaturesLearn everything from creating a cluster to monitoring applications in KubernetesUnderstand and develop DevOps primitives using KubernetesUse Kubernetes to solve challenging real-life DevOps problemsBook Description Kubernetes and DevOps are the two pillars that can keep your business at the top by ensuring high performance of your IT infrastructure. Introduction to DevOps with Kubernetes will help you develop the skills you need to improve your DevOps with the power of Kubernetes. The book begins with an overview of Kubernetes primitives and DevOps concepts. You'll understand how Kubernetes can assist you with overcoming a wide range of real-world operation challenges. You will get to grips with creating and upgrading a cluster, and then learn how to deploy, update, and scale an application on Kubernetes. As you advance through the chapters, you'll be able to monitor an application by setting up a pod failure alert on Prometheus. The book will also guide you in configuring Alertmanager to send alerts to the Slack channel and trace down a problem on the application using kubectl commands. By the end of this book, you'll be able to manage the lifecycle of simple to complex applications on Kubernetes with confidence. What you will learnCreate and manage Kubernetes clusters in on-premise systems and cloudExercise various DevOps practices using KubernetesExplore configuration, secret, and storage management, and exercise these on KubernetesPerform different update techniques and apply them on KubernetesUse the built-in scaling feature in Kubernetes to scale your applications up and downUse various troubleshooting techniques and have a monitoring system installed on KubernetesWho this book is for If you are a developer who wants to learn how to apply DevOps patterns using Kubernetes, then this book is for you. Familiarity with Kubernetes will be useful, but not essential.

Get started with Azure DevOps and develop your DevOps practices

17th International Conference, PROFES 2016, Trondheim, Norway, November 22-24, 2016, Proceedings

A Manager's Guide to DevOps and SRE

The Gentle Art of Asking Instead of Telling

A Novel about IT, DevOps, and Helping Your Business Win

WordPress Bible

Microsoft System Center Data Protection for the Hybrid Cloud

Implement real-world DevOps and cloud deployment scenarios using Azure Repos, Azure Pipelines, and other Azure DevOps tools Key FeaturesImprove your application development life cycle with Azure DevOps in a step-by-step mannerApply continuous integration and continuous deployment to reduce application downtimeWork with real-world CI/CD scenarios curate MCTSBook Description Developing applications for the cloud involves changing development methodologies and procedures. Continuous integration and continuous deployment (CI/CD) processes are a must today, but are often difficult to implement and adopt. Azure DevOps is a Microsoft Azure cloud service that enhances your application development life cycle and a comprehensive product overview, this book helps you to understand Azure DevOps and apply DevOps techniques to your development projects. You'll find out how to adopt DevOps techniques for your development processes by using built-in Azure DevOps tools. Throughout the course of this book, you'll also discover how to manage a project with the help of project progress toward development aspects such as source code management, build pipelines, code testing and artifacts, release pipelines, and GitHub integration. As you learn how to implement DevOps practices, this book will also provide you with real-world examples and scenarios of DevOps adoption. By the end of this DevOps book, you will have learned how to adopt development processes. What you will learnGet to grips with Azure DevOpsFind out about project management with Azure BoardsUnderstand source code management with Azure ReposBuild and release pipelinesRun quality tests in build pipelinesUse artifacts and integrate Azure DevOps in the GitHub flowDiscover real-world CI/CD scenarios with Azure DevOpsWho t architects, and DevOps engineers interested in getting started with cloud DevOps practices on Azure. Prior understanding of Azure architecture and services is necessary. Some knowledge of DevOps principles and techniques will be useful.

Discover high-value Azure security insights, tips, and operational optimizations This book presents comprehensive Azure Security Center techniques for safeguarding cloud and hybrid environments. Leading Microsoft security and cloud experts Yuri Diogenes and Dr. Thomas Shinder show how to apply Azure Security Center's full spectrum of features and capabilities to operational scenarios. You'll learn how to secure any Azure workload, and optimize virtually all facets of modern security, from policies and identity to incident response and risk management. Whatever your role in Azure security, you'll learn how to save hours, days, or even weeks by solving problems in most efficient, reliable ways possible. Two of Microsoft's leading of cloud and hybrid environments on security, compliance, operations, data protection, and risk management
• Master a new security paradigm for a world without traditional perimeters
• Gain visibility and control to secure compute, network, storage, and application workloads
• Incorporate Azure Security Center into your security operations center
• Integrate Azure and third-party solutions
• Adapt Azure Security Center's built-in policies and definitions for your organization
• Perform security assessments and implement Azure Security Center recommendations
• Use incident response features to detect, investigate, and address threats
• Create high-fidelity fusion alerts to focus attention on your most urgent security issues
• Monitor user behavior and access, and investigate compromised or misused credentials
• Customize and perform operating system security baseline assessments
• Leverage integrated threat intelligence to identify known bad actors

This book presents emerging trends in the evolution of service-oriented and enterprise architectures. New architectures and methods of both business and IT are integrating services to support mobility systems, Internet of Things, Ubiquitous Computing, collaborative and adaptive business processes, Big Data, and Cloud ecosystems. They inspire current and future transformation of next digital products and services. Services Oriented Architectures (SOA) and Enterprise Architectures (EA) have emerged as a useful framework for developing interoperable, large-scale systems, typically implementing various standards, like Web Services, REST, and Microservices. Managing the adaptation and evolution of such systems presents a flexibility through loose coupling, both between the services themselves and between the IT organizations that manage them. Enterprises evolve continuously by transforming and extending their services, processes and information systems. Enterprise Architectures provide a holistic blueprint to help define the structure and operation of an organization with the goal to achieve its objectives. The book proposes several approaches to address the challenges of the service-oriented evolution of digital enterprise and software architectures.

Next Gen DevOps is a step-by-step guide helping managers and executives successfully transition to DevOps and SRE. Supported by experiences gained in a range of organisations, large and small the book and framework of the same name, can help anyone structure their transformation project.

The DevOps Adoption Playbook

Product-Focused Software Process Improvement

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

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

Automate the deployment of your environment with the power of the Docker toolchain

Continuous Architecture in Practice

Introduction to DevOps with Kubernetes

This book constitutes the proceedings of the 17th International Conference on Product-Focused Software Process Improvement, PROFES 2016, held in Trondheim, Norway, in November 2016. The 24 revised full papers presented together with 21 short papers, 1 keynote, 3 invited papers, 5 workshop papers, 2 doctoral symposium papers, and 6 tutorials were carefully reviewed and selected from 82 submissions. The papers are organized in topical sections on Early Phases in Software Engineering; Organizational Models; Architecture; Methods and Tools; Verification and Validation; Process Improvement; Speed and Agility in System Engineering; Requirements and Quality; Process and Repository Mining; Business Value and Benefits; Emerging Research Topics; and Future of Computing.

This award-winning and bestselling business handbook for digital transformation is now fully updated and expanded with the latest research and new case studies! Over the last five years, the DevOps Handbook has been the definitive guide for taking the successes laid out in the bestselling The Phoenix Project and applying them in any organization. Now, with this fully updated and expanded edition, it's time to take DevOps out of the IT department and apply it across the full business. Technology is now at the core of every company, no matter the business model or product. The theories and practices laid out in The DevOps Handbook are tools to be used by anyone from across the organization to create joy and succeed in the marketplace. The second edition features fifteen new case studies, including stories from adidas, American Airlines, Fannie Mae, Target, and the US Air Force. In addition, renowned researcher and coauthor of Accelerate, Nicole Forsgren, PhD, provides her insights through new and updated material and research. With over 100 pages of new content throughout the book, this expanded edition is a must read for anyone who works with technology.

Unleash the combination of Docker and Jenkins in order to enhance the DevOps workflow About This Book Build reliable and secure applications using Docker containers. Create a complete Continuous Delivery pipeline using Docker, Jenkins, and Ansible. Deliver your applications directly on the Docker Swarm cluster. Create more complex solutions using multi-containers and database migrations. Who This Book Is For This book is indented to provide a full overview of deep learning. From the beginner in deep learning and artificial intelligence to the data scientist who wants to become familiar with Theano and its supporting libraries, or have an extended understanding of deep neural nets. Some basic skills in Python programming and computer science will help, as well as skills in elementary algebra and calculus. What You Will Learn Get to grips with docker fundamentals and how to dockerize an application for the Continuous Delivery process Configure Jenkins and scale it using Docker-based agents Understand the principles and the technical aspects of a successful Continuous Delivery pipeline Create a complete Continuous Delivery process using modern tools: Docker, Jenkins, and Ansible Write acceptance tests using Cucumber and run them in the Docker ecosystem using Jenkins Create multi-container applications using Docker Compose Managing database changes inside the Continuous Delivery process and understand effective frameworks such as Cucumber and Flyweight Build clustering applications with Jenkins using Docker Swarm Publish a built Docker image to a Docker Registry and deploy cycles of Jenkins pipelines using community best practices In Detail The combination of Docker and Jenkins improves your Continuous Delivery pipeline using fewer resources. It also helps you scale up your builds, automate tasks and speed up Jenkins performance with the benefits of Docker containerization. This book will explain the advantages of combining Jenkins and Docker to improve the continuous integration and delivery process of app development. It will start with setting up a Docker server and configuring Jenkins on it. It will then provide steps to build applications on Docker files and integrate them with Jenkins using continuous delivery processes such as continuous integration, automated acceptance testing, and configuration management. Moving on you will learn how to ensure quick application deployment with Docker containers along with scaling Jenkins using Docker Swarm. Next, you will get to know how to deploy applications using Docker images and testing them with Jenkins. By the end of the book, you will be enhancing the DevOps workflow by integrating the functionalities of Docker and Jenkins. Style and approach The book is aimed at DevOps Engineers, developers and IT Operations who want to enhance the DevOps culture using Docker and Jenkins.

For those considering Extreme Programming, this book provides no-nonsense advice on agile planning, development, delivery, and management taken from the authors' many years of experience. While plenty of books address the what and why of agile development, very few offer the information users can apply directly.

Continuous Delivery

Building Your Next Big Thing with Google Cloud Platform

Team Topologies

Emerging Trends in the Evolution of Service-Oriented and Enterprise Architectures

Cycles

The DevOps Handbook

The simplest, proven method to innovate faster while reducing risks

Communication is essential in a healthy organization. But all too often when we interact with people—especially those who report to us—we simply tell them what we think they need to know. This shuts them down. To generate bold new ideas, to avoid disastrous mistakes, to develop agility and flexibility, we need to practice Humble Inquiry. Ed Schein defines Humble Inquiry as “the fine art of drawing someone out, of asking questions to which you do not know the answer, of building a relationship based on curiosity and interest in the other person.” In this seminal work, Schein contrasts Humble Inquiry with other kinds of inquiry, shows the benefits Humble Inquiry provides in many different settings, and offers advice on overcoming the cultural, organizational, and psychological barriers that keep us from practicing it.

Get the latest word on the biggest self-hosted blogging tool on the market Within a week of the announcement of WordPress 3.0, it had been downloaded over a million times. Now you can get on the bandwagon of this popular open-source blogging tool with WordPress Bible, 2nd Edition. Whether

you’re a casual blogger or programming pro, this comprehensive guide covers the latest version of WordPress, from the basics through advanced application development. If you want to thoroughly learn WordPress, this is the book you need to succeed. Explores the principles of blogging, marketing, and social media interaction Shows you how to install and maintain WordPress Thoroughly covers WordPress basics, then ramps up to advanced topics Guides you through best security practices as both a user and a developer Helps you enhance your blog’s findability in major search engines and create customizable and dynamic themes Author maintains a high-profile blog in the WordPress community, Technosailor.com Tech edited by Mark Jaquith, one of the lead developers of WordPress The WordPress Bible is the only resource you need to learn WordPress from beginning to end.

Change the way you think about innovation and give yourself every chance of success! There are lots of books, courses, and videos on innovation. They are fun and usually motivating, but seldom deliver long-term results. Cycles is a fun book, but more importantly, it explains how to innovate at every stage. Consistent winners are idea builders that make good or even mediocre ideas great over time. With Cycles you'll learn by doing how to grow ideas up to 6x faster while cutting risks by over 50%. This book brings together 4 years of research and the work of 22 innovation experts into a simple system with easy-to-use canvases and tools. The foundation of this system is thinking of idea building as an ongoing process of cycles. Some cycles are short, and some are long. The best cycles include the ABCs of innovation. A = Align B = Build Ideas C = Communicate and Check S = Systematically Improve This system ties the theories and research from hundreds of books into something easy to understand and something you can do right now. If you want to be a better innovator, Cycles will change the way you think about innovation. More importantly, with easy hands-on tools, Cycles will make it easier to innovate faster while reducing risks. A straightforward and effective method that you can start applying right away! ABOUT THE AUTHOR Bryan Cassady is a long-time entrepreneur and has built successful businesses in six countries. His success rate is eight successful businesses from eleven tries. For more than ten years, he has been teaching Innovation and Entrepreneurship at leading business schools around the world (KU Leuven, Solvay, EDHEC), led some of the world’s largest and most successful accelerator programs (The Founder Institute and the European Innovation Academy), and coached over 400 companies. He is currently working on the Global Entrepreneurship Alliance- a foundation being set up to train 1 million entrepreneurs by 2027.

The DevOps HandbookHow to Create World-Class Agility, Reliability, and Security in Technology OrganizationsIT Revolution

Virtual Machines

The Art of Agile Development

Managing Kubernetes Resources Using Helm

Humble Inquiry

Building Web Apps with WordPress

DevOps Professional Courseware

Handbook of Research on End-to-End Cloud Computing Architecture Design

***Besides the DevOps Professional 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 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.***

***WordPress is much more than a blogging platform. As this practical guide clearly demonstrates, you can use WordPress to build web apps of any type—not mere content sites, but full-blown apps for specific tasks. If you have PHP experience with a smattering of HTML, CSS, and JavaScript, you’ll learn how to use WordPress plugins and themes to develop fast, scalable, and secure web apps, native mobile apps, web services, and even a network of multiple WordPress sites. The authors use examples from their recently released SchoolPress app to explain concepts and techniques throughout the book. All code examples are available on GitHub. Compare WordPress with traditional app development frameworks Use themes for views, and plugins for backend functionality Get suggestions for choosing WordPress plugins—or build your own Manage user accounts and roles, and access user data Build asynchronous behaviors in your app with jQuery Develop native apps for iOS and Android, using wrappers Incorporate PHP libraries, external APIs, and web service plugins Collect payments through ecommerce and membership plugins Use techniques to speed up and scale your WordPress app***

***In Continuous Architecture in Practice, three leading software architecture experts update the discipline's classic practices for today's environments, software development contexts, and applications. Coverage includes: Discover what's changed, and how the architect's role must change Reflect today's quality attributes in evolvable architectures Understand team-based software architecture, and architecture as a "flow of decisions" Architect for security, including continuous threat modeling and mitigation Explore architectural opportunities to improve performance in continuous delivery environments Architect for scalability, avoid common scalability pitfalls, and scale microservices and serverless environments Improve resilience and reliability in the face of inevitable failures Architect data for NoSQL, big data, and analytics Use architecture to promote innovation: case studies in AI/ML, chatbots, and blockchain Information Technology time management expert Dominica DeGrandis, the reveals the real crime of the century--time theft, one of the most costly factors impacting enterprises in their day-to-day operations. The solution to preventing these value stream delays? Make the work visible. In this timely book (title not final), solutions and preventative measures are illustrated and methodologies outlined for immediate application into daily work.***