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Building Secure and Reliable Systems

O'Reilly Media

Can a system be considered truly reliable if it isn't fundamentally secure? Or can it be considered secure if it's unreliable? Security is crucial to the design and operation of scalable systems in production, as it plays an important part in product quality, performance, and availability. In this book, experts from Google share best practices to help your organization design scalable and reliable systems that are fundamentally secure.

Two previous O'Reilly books from Google—*Site Reliability Engineering* and *The Site Reliability Workbook*—demonstrated how and why a commitment to the entire service lifecycle enables organizations to successfully build, deploy, monitor, and maintain software systems. In this latest guide, the authors offer insights into system design, implementation, and maintenance from practitioners who specialize in security and reliability. They also discuss how building and adopting their recommended best practices requires a culture that's supportive of such change. You'll learn about secure and reliable systems through: Design

strategies
Recommendations for coding, testing, and debugging practices
Strategies to prepare for, respond to, and recover from incidents
Cultural best practices that help teams across your organization collaborate effectively

Site Reliability Engineering "O'Reilly Media, Inc."

The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's

Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient—lessons directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site

reliability engineer (SRE)

Practices—Understand the theory and practice of an SRE's day-to-day work: building and operating large distributed computing systems

Management—Explore Google's best practices for training, communication, and meetings that your organization can use

The Site Reliability Workbook "O'Reilly Media, Inc."

In 2016, Google's Site Reliability Engineering book ignited an industry discussion on what it means to run production services today—and why reliability considerations are fundamental to service design. Now, Google engineers who worked on that bestseller

introduce The Site Reliability Workbook, a hands-on companion that uses concrete examples to show you how to put SRE principles and practices to work in your environment. This new workbook not only combines practical examples from Google's experiences, but also provides case studies from Google's Cloud Platform customers who underwent this journey. Evernote, The Home Depot, The New York Times, and other companies outline hard-won experiences of what worked for them and what didn't. Dive into this workbook and learn how to flesh out your own SRE practice, no matter what size your company is. You'll learn: How to run

reliable services in environments you don't completely control—like cloud Practical applications of how to create, monitor, and run your services via Service Level Objectives How to convert existing ops teams to SRE—including how to dig out of operational overload Methods for starting SRE from either greenfield or brownfield

Pro MERN Stack *Apress*

Assemble the complete stack required to build a modern web app using MongoDB, Express, React, and Node. This book also covers many other complementary tools: React Router, GraphQL, React-Bootstrap, Babel, and Webpack. This new

edition will use the latest version of React (React 16) and the latest React Router (React Router 4), which has a significantly different approach to routing compared to React Router 2 which was used in the first edition of the book. Though the primary focus of Pro MERN Stack is to equip you with all that is required to build a full-fledged web application, a large portion of the book will be devoted to React 16. The popular MEAN (MongoDB, Express, AngularJS, Node) stack introduced Single Page Apps (SPAs) and front-end Model-View-Controller (MVC) as new and efficient paradigms. Facebook's React is a technology that competes indirectly with AngularJS. It is not

a full-fledged MVC framework. It is a JavaScript library for building user interfaces (in some sense the View part). Yet, it is possible to build a web app by replacing AngularJS with React – hence the term MERN stack. What You Will Learn Discover the features of React 16 to get the maximum out of this library. Gain the basics of MongoDB, Express, and Node to build a web app. Work with other libraries complementary to React, including React-Bootstrap, React Router, and GraphQL. Use tools such as Babel and Webpack required to build JavaScript-based SPAs. Tie all the components together to build a complete web app. Who This Book Is For Developers and architects who

have prior experience in any web app stack other than the MERN stack will find the book useful to learn about this modern stack. Prior knowledge of JavaScript, HTML, and CSS is required.

DevOps Bootcamp

Packt Publishing Ltd

Sharpen your DevOps knowledge with DevOps Bootcamp About This Book Improve your organization's performance to ensure smooth production of software and services. Learn how Continuous Integration and Continuous Delivery practices can be utilized to cultivate the DevOps culture. A fast-paced guide filled with illustrations and best practices to help you consistently ship quality software. Who

This Book Is For The book is aimed at IT Developers and Operations—administrators who want to quickly learn and implement the DevOps culture in their organization. What You Will Learn Static Code Analysis using SONarqube Configure a Maven-based JEE Web Application Perform Continuous Integration using Jenkins and VSTS Install and configure Docker Converge a Chef node using a Chef workstation Accomplish Continuous Delivery in Microsoft Azure VM and Microsoft Azure App Services (Azure Web Apps) using Jenkins Perform Load Testing using Apache JMeter Build and Release Automation using Visual Studio Team Services Monitor Cloud-

based resources In Detail DevOps Bootcamp delivers practical learning modules in manageable chunks. Each chunk is delivered in a day, and each day is a productive one. Each day builds your competency in DevOps. You will be able to take the task you learn every day and apply it to cultivate the DevOps culture. Each chapter presents core concepts and key takeaways about a topic in DevOps and provides a series of hands-on exercises. You will not only learn the importance of basic concepts or practices of DevOps but also how to use different tools to automate application lifecycle management. We will start off by building the

foundation of the DevOps concepts. On day two, we will perform Continuous Integration using Jenkins and VSTS both by configuring Maven-based JEE Web Application?. We will also integrate Jenkins and Sonar qube for Static Code Analysis. Further, on day three, we will focus on Docker containers where we will install and configure Docker and also create a Tomcat Container to deploy our Java based web application. On day four, we will create and configure the environment for application deployment in AWS and Microsoft Azure Cloud for which we will use Infrastructure as a Service and Open Source Configuration Management tool Chef.

For day five, our focus would be on Continuous Delivery. We will automate application deployment in Docker container using Jenkins Plugin, AWS EC2 using Script, AWS Elastic Beanstalk using Jenkins Plugin, Microsoft Azure VM using script, and Microsoft Azure App Services Using Jenkins. We will also configure Continuous Delivery using VSTS. We will then learn the concept of Automated Testing on day six using Apache JMeter and URL-based tests in VSTS. Further, on day seven, we will explore various ways to automate application lifecycle management using orchestration. We will see how Pipeline can be created in Jenkins and VSTS, so the moment

Continuous? Integration is completed successfully, Continuous Delivery will start and application will be deployed. On the final day, our focus would be on Security access to Jenkins and Monitoring of CI resources, and cloud-based resources in AWS and Microsoft Azure Platform as a Service. Style and Approach This book is all about fast and intensive learning. This means we don't waste time in helping readers get started. The new content is basically about filling in with highly-effective examples to build new things, solving problems in newer and unseen ways, and solving real-world examples.

Large-Scale Scrum

Addison-Wesley Professional

In *Large-Scale Scrum*, Craig Larman and Bas Vodde offer the most direct, concise, actionable guide to reaping the full benefits of agile in distributed, global enterprises. Larman and Vodde have distilled their immense experience helping geographically distributed development organizations move to agile. Going beyond their previous books, they offer today's fastest, most focused guidance: "brass tacks" advice and field-proven best practices for achieving value fast, and achieving even more value as you move forward. Targeted to enterprise project participants

and stakeholders, *Large-Scale Scrum* offers straight-to-the-point insights for scaling Scrum across the entire project lifecycle, from sprint planning to retrospective. Larman and Vodde help you: Implement proven Scrum frameworks for large-scale developments Scale requirements, planning, and product management Scale design and architecture Effectively manage defects and interruptions Integrate Scrum into multisite and offshore projects Choose the right adoption strategies and organizational designs This will be the go-to resource for enterprise stakeholders at all levels: everyone who wants to maximize the value of Scrum in

large, complex projects.

Annuaire-Bulletin

21st Century Manufacturing Enterprise Strategy

DIANE Publishing

This is Volume 1 of a report addressing the future of American industry. It has been written in response to the transformation of manufacturing practices that is currently in progress. Volume 1 of a two-volume report on the global competitive environment U.S. manufacturing will face, and the infrastructure it will require, in order to compete as it moves over the next 15 years into the 21st century. The developments described in the report present a unique

opportunity to capitalize on distinctive U.S. strengths; failure to seize this opportunity will put the standard of living of the American people at profound risk.

Cloud Native Patterns *Simon and Schuster*

Summary Cloud Native Patterns is your guide to developing strong applications that thrive in the dynamic, distributed, virtual world of the cloud. This book presents a mental model for cloud-native applications, along with the patterns, practices, and tooling that set them apart. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Cloud platforms

promise the holy grail: near-zero downtime, infinite scalability, short feedback cycles, fault-tolerance, and cost control. But how do you get there? By applying cloudnative designs, developers can build resilient, easily adaptable, web-scale distributed applications that handle massive user traffic and data loads. Learn these fundamental patterns and practices, and you'll be ready to thrive in the dynamic, distributed, virtual world of the cloud. About the Book With 25 years of experience under her belt, Cornelia Davis teaches you the practices and patterns that set cloud-native applications apart. With realistic examples and expert advice for working with

apps, data, services, routing, and more, she shows you how to design and build software that functions beautifully on modern cloud platforms. As you read, you will start to appreciate that cloud-native computing is more about the how and why rather than the where. What's inside The lifecycle of cloud-native apps Cloud-scale configuration management Zero downtime upgrades, versioned services, and parallel deploys Service discovery and dynamic routing Managing interactions between services, including retries and circuit breakers About the Reader Requires basic software design skills and an ability to read Java or a similar language. About the

Author Cornelia Davis is Vice President of Technology at Pivotal Software. A teacher at heart, she's spent the last 25 years making good software and great software developers. Table of Contents PART 1 - THE CLOUD-NATIVE CONTEXT You keep using that word: Defining "cloud-native" Running cloud-native applications in production The platform for cloud-native software PART 2 - CLOUD-NATIVE PATTERNS Event-driven microservices: It's not just request/response App redundancy: Scale-out and statelessness Application configuration: Not just environment variables The application lifecycle: Accounting for constant change

Accessing apps: Services, routing, and service discovery Interaction redundancy: Retries and other control loops Fronting services: Circuit breakers and API gateways Troubleshooting: Finding the needle in the haystack Cloud-native data: Breaking the data monolith

DevOps For Dummies John Wiley & Sons

Develop faster with DevOps DevOps embraces a culture of unifying the creation and distribution of technology in a way that allows for faster release cycles and more resource-efficient product updating. DevOps For Dummies provides a guidebook for those on the development or

operations side in need of a primer on this way of working. Inside, DevOps evangelist Emily Freeman provides a roadmap for adopting the management and technology tools, as well as the culture changes, needed to dive head-first into DevOps. Identify your organization's needs Create a DevOps framework Change your organizational structure Manage projects in the DevOps world DevOps For Dummies is essential reading for developers and operations professionals in the early stages of DevOps adoption.

Project 2010 For Dummies *John Wiley & Sons*

A friendly reference guide to Microsoft

Project, the leading enterprise project management software As project management software, Microsoft Project allows you to oversee your business activities effectively. You can manage resources, share project info, perform modeling and scenario analysis, and standardize reporting processes. This easy-to-understand guide is completely updated to cover the latest changes and newest enhancements to Project 2010 and shows you how to get Project 2010 to work for you. After an introduction to basic project management concepts, you'll discover the mechanics of using Project software to create and manage projects. Other topics covered

include working with calendars, using and sharing resources, budgeting, formatting taskbars, gathering and tracking data, working with reports, and creating templates. Microsoft Project allows you to manage resources, share project information, perform scenario analysis, and standardize reporting processes. Offers completely updated coverage of the new Project 2010, which is expected to implement the Office Ribbon Reviews formatting taskbars, gathering and tracking data, and working with reports. Addresses using and sharing resources, creating templates, and managing projects. Let the friendly For Dummies writing style guide you through

maximizing the new features of Project 2010.

Journal de Lyon (1810)

Journal politique et littéraire du département du Rhône

Œuvres complètes de Flavius Joseph

Scrum For Dummies

John Wiley & Sons

Use scrum in all aspects of life. Scrum is an agile project management framework that allows for flexibility and collaboration to be a part of your workflow. Primarily used by software developers, scrum can be used across many job functions and industries. Scrum can also be used in your personal life to help you plan for

retirement, a trip, or even a wedding or other big event. Scrum provides a small set of rules that create just enough structure for teams to be able to focus their innovation on solving what might otherwise be an insurmountable challenge. Scrum For Dummies shows you how to assemble a scrum taskforce and use it to implement this popular Agile methodology to make projects in your professional and personal life run more smoothly—from start to finish. Discover what scrum offers project and product teams. Integrate scrum into your agile project management strategy. Plan your retirement or a family reunion using scrum. Prioritize for releases with sprints.

No matter your career path or job title, the principles of scrum are designed to make your life easier. Why not give it a try?

Management 3.0

Pearson Education

In many organizations, management is the biggest obstacle to successful Agile development.

Unfortunately, reliable guidance on Agile management has been scarce indeed. Now, leading Agile manager Jurgen Appelo fills that gap, introducing a realistic approach to leading, managing, and growing your Agile team or organization. Writing for current managers and developers moving into management, Appelo shares insights that are grounded in modern complex systems.

theory, reflecting the intense complexity of modern software development. Appelo's Management 3.0 model recognizes that today's organizations are living, networked systems; and that management is primarily about people and relationships. Management 3.0 doesn't offer mere checklists or prescriptions to follow slavishly; rather, it deepens your understanding of how organizations and Agile teams work and gives you tools to solve your own problems. Drawing on his extensive experience as an Agile manager, the author identifies the most important practices of Agile management and helps you improve each of them. Coverage includes •

Getting beyond "Management 1.0" control and "Management 2.0" fads • Understanding how complexity affects your organization • Keeping your people active, creative, innovative, and motivated • Giving teams the care and authority they need to grow on their own • Defining boundaries so teams can succeed in alignment with business goals • Sowing the seeds for a culture of software craftsmanship • Crafting an organizational network that promotes success • Implementing continuous improvement that actually works Thoroughly pragmatic-and never trendy-Jurgen Appelo's Management 3.0 helps

you bring greater agility to any software organization, team, or project.

I Walked Alone

The Hate Factories of America In the past fifty-seven years, Robert "Big Head" Whitcomb has spent over thirty-five years incarcerated in the state prison system and the federal prison system. He saved seven correctional officers and a number of convicts from certain death. He did what he thought was right, but he thinks himself no hero; he is just a convict who believed that even in the hate factories of America, there can still be a little good.

RxSwift (Fourth Edition)

Learn Reactive

Programming in Swift with RxSwift!The popularity of reactive programming continues to grow on an every-increasing number of platforms and languages. Rx lets developers easily and quickly build apps with code that can be understood by other Rx developers - even over different platforms.Not only will you learn how to use the RxSwift port to create complex reactive applications on iOS, you'll also see how to easily solve common application design issues by using RxSwift. Finally you'll discover how to exercise full control over the library and leverage the full power of reactive programming in your apps.This books is for iOS developers who already feel

comfortable with iOS and Swift, and want to dive deep into development with RxSwift. Topics Covered in RxSwift:- Getting Started: Get an introduction to the reactive programming paradigm, learn the terminology involved and see how to begin using RxSwift in your projects.- Event Management: Learn how to handle asynchronous event sequences via two key concepts in Rx - Observables and Observers.- Being Selective: See how to work with various events using concepts such as filtering, transforming, combining, and time operators.- UI Development: RxSwift makes it easy to work with UI of your apps using RxCocoa, which

provides integration of both UIKit and Cocoa.- Intermediate Topics: Level up your RxSwift knowledge with chapters on reactive networking, multi-threading, and error handling. And much, much more! By the end of this book, you'll have hands-on experience solving common issues in a reactive paradigm - and you'll be well on your way to coming up with your own Rx patterns and solutions!

Enterprise Java Microservices *Simon and Schuster*

Summary Enterprise Java Microservices is an example-rich tutorial that shows how to design and manage large-scale Java applications as a collection of microservices.

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Large applications are easier to develop and maintain when you build them from small, simple components. Java developers now enjoy a wide range of tools that support microservices application development, including right-sized app servers, open source frameworks, and well-defined patterns. Best of all, you can build microservices applications using your existing Java skills. About the Book Enterprise Java Microservices teaches you to design and build JVM-based microservices applications. You'll

start by learning how microservices designs compare to traditional Java EE applications. Always practical, author Ken Finnigan introduces big-picture concepts along with the tools and techniques you'll need to implement them. You'll discover ecosystem components like Netflix Hystrix for fault tolerance and master the Just enough Application Server (JeAS) approach. To ensure smooth operations, you'll also examine monitoring, security, testing, and deploying to the cloud. What's inside The microservices mental model Cloud-native development Strategies for fault tolerance and monitoring Securing your finished

applications About the
 Reader This book is for
 Java developers
 familiar with Java EE.
 About the Author Ken
 Finnigan leads the
 Thorntail project at Red
 Hat, which seeks to
 make developing
 microservices for the
 cloud with Java and
 Java EE as easy as
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Learning Helm

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 the Kubernetes
 container orchestration
 system. This practical
 guide shows you how
 to efficiently create,
 install, and manage the
 applications running
 inside your containers.
 Helm maintainers Matt
 Butcher, Matt Farina,
 and Josh Dolitsky
 explain how this
 package manager fits
 into the Kubernetes
 ecosystem and provide
 an inside look at
 Helm's design and best

practices. More than 70% of the organizations that work with Kubernetes use Helm today. While the Helm community provides thousands of packages, or charts, to help you get started, this book walks developers and DevOps engineers through the process of creating custom charts to package applications. If you have a working understanding of Kubernetes, you're ready to go. Explore primary features including frequently used Helm commands. Learn how to build and deploy Helm charts from scratch. Use Helm to manage complexity and achieve repeatable deployments. Package an application and its dependencies for easy installation. Manage the

entire lifecycle of applications on Kubernetes. Explore ways to extend Helm to add features and functionality. Learn features for testing, handling dependencies, and providing security.

Lean Enterprise *O'Reilly Media*

How well does your organization respond to changing market conditions, customer needs, and emerging technologies when building software-based products? This practical guide presents Lean and Agile principles and patterns to help you move fast at scale—and demonstrates why and how to apply these paradigms throughout your organization, rather than with just

one department or team. Through case studies, you'll learn how successful enterprises have rethought everything from governance and financial management to systems architecture and organizational culture in the pursuit of radically improved performance. Discover how Lean focuses on people and teamwork at every level, in contrast to traditional management practices. Approach problem-solving experimentally by exploring solutions, testing assumptions, and getting feedback from real users. Lead and manage large-scale programs in a way that empowers employees, increases the speed and quality of delivery, and lowers costs. Learn how to implement ideas from

the DevOps and Lean Startup movements even in complex, regulated environments

Building a DevOps Culture *"O'Reilly Media, Inc."*

DevOps is as much about culture as it is about tools. When people talk about DevOps, they often emphasize configuration management systems, source code repositories, and other tools. But, as Mandi Walls explains in this Velocity report, DevOps is really about changing company culture—replacing traditional development and operations silos with collaborative teams of people from both camps. The DevOps movement has

produced some efficient teams turning out better products faster. The tough part is initiating the change. This report outlines strategies for managers looking to go beyond tools to build a DevOps culture among their technical staff. Topics include: Documenting reasons for changing to DevOps before you commit Defining meaningful and achievable goals Finding a technical leader to be an evangelist, tools and process expert, and shepherd Starting with a non-critical but substantial pilot project Facilitating open communication among developers, QA engineers, marketers, and other professionals Realigning your team's responsibilities and incentives Learning

when to mediate disagreements and conflicts Download this free report and learn how to the DevOps approach can help you create a supportive team environment built on communication, respect, and trust. Mandi Walls is a Senior Consultant with Opscode.

Zoom For Dummies

John Wiley & Sons

Zoom into the new world of remote collaboration While a worldwide pandemic may have started the Zoom revolution, the convenience of remote meetings is here to stay. Zoom For Dummies takes you from creating meetings on the platform to running global webinars. Along the way you'll learn how to expand your remote

collaboration options, record meetings for future review, and even make scheduling a meeting through your other apps a one-click process. Take in all the advice or zoom to the info you need - it's all there! Discover how to set up meetings Share screens and files Keep your meetings secure Add Zoom hardware to your office Get tips for using Zoom as a social tool Award-winning author Phil Simon takes you beyond setting up and sharing links for meetings to show how Zoom can transform your organization and the way you work.

Maven: The Definitive Guide
"O'Reilly Media, Inc."
For too long, developers have worked on

disorganized application projects, where every part seemed to have its own build system, and no common repository existed for information about the state of the project. Now there's help. The long-awaited official documentation to Maven is here. Written by Maven creator Jason Van Zyl and his team at Sonatype, *Maven: The Definitive Guide* clearly explains how this tool can bring order to your software development projects. Maven is largely replacing Ant as the build tool of choice for large open source Java projects because, unlike Ant, Maven is also a project management tool that can run reports, generate a project website, and facilitate communication among

members of a working team. To use Maven, everything you need to know is in this guide. The first part demonstrates the tool's capabilities through the development, from ideation to deployment, of several sample applications -- a simple software development project, a simple web application, a multi-module project, and a multi-module enterprise project. The second part offers a complete reference guide that includes: The POM and Project Relationships The Build Lifecycle Plugins Project website generation Advanced site generation Reporting Properties Build Profiles The Maven Repository Team Collaboration Writing Plugins IDEs

such as Eclipse, IntelliJ, and NetBeans Using and creating assemblies Developing with Maven Archetypes Several sources for Maven have appeared online for some time, but nothing served as an introduction and comprehensive reference guide to this tool -- until now. Maven: The Definitive Guide is the ideal book to help you manage development projects for software, web applications, and enterprise applications. And it comes straight from the source.

Lobbès, son abbaye et son chapitre, ou histoire complète du monastère de Saint-Pierre à Lobbès et du chapitre de Saint-Ursmer à Lobbès et à Binches

Lobbès, son abbaye et son chapitre, ou: Histoire complète du monastère de Saint Pierre à Lobbès et du chapitre de Saint Ursmer à Lobbès et à Binche

Traité de mécanique rationnelle: Équilibre et mouvement des milieux continus. 3. éd., entièrement refondue. 1921

Wireless Hacking 101 *Babelcube Inc.*

Wireless Hacking 101 - How to hack wireless networks easily! This book is perfect for computer enthusiasts that want to gain expertise in the interesting world of ethical hacking and that wish to start conducting wireless pentesting. Inside you will find step-by-step

instructions about how to exploit WiFi networks using the tools within the known Kali Linux distro as the famous aircrack-ng suite. Topics covered:

- Introduction to WiFi Hacking
- What is Wardriving
- WiFi Hacking Methodology
- WiFi Mapping
- Attacks to WiFi clients and networks
- Defeating MAC control
- Attacks to WEP, WPA, and WPA2
- Attacks to WPS
- Creating Rogue AP's
- MITM attacks to WiFi clients and data capture
- Defeating WiFi clients and evading SSL encryption
- Kidnapping sessions from WiFi clients
- Defensive mechanisms

Python Playground *No Starch Press*

Python is a powerful programming language

that's easy to learn and fun to play with. But once you've gotten a handle on the basics, what do you do next? Python Playground is a collection of imaginative programming projects that will inspire you to use Python to make art and music, build simulations of real-world phenomena, and interact with hardware like the Arduino and Raspberry Pi. You'll learn to use common Python tools and libraries like numpy, matplotlib, and pygame to do things like:

- Generate Spirograph-like patterns using parametric equations and the turtle module
- Create music on your computer by simulating frequency overtones
- Translate graphical images into

ASCII art -Write an autostereogram program that produces 3D images hidden beneath random patterns -Make realistic animations with OpenGL shaders by exploring particle systems, transparency, and billboard techniques -Construct 3D visualizations using data from CT and MRI scans -Build a laser show that responds to music by hooking up your computer to an Arduino Programming shouldn't be a chore. Have some solid, geeky fun with Python Playground. The projects in this book are compatible with both Python 2 and 3.

Data Centers For Dummies *For Dummies*

Demystify data centers and keep your big data

safe Big data is a big issue for modern businesses of all sizes, and everyone from IT managers to CTOs, network administrators, entrepreneurs, and beyond are looking for cost-effective and efficient ways to save and house their valuable information. And, that's where *Data Centers For Dummies* comes in. This jargon-free guide gives you the low down on acquiring a data center for your organization and the challenges that can come along with it. Explains the issues, options, and costs associated with data center acquisition including leasing, outsourcing, design, power and cooling, network infrastructure, redundancy, and disaster recovery

Walks you through regulations, standards, and best practices that must be considered when selecting and designing a modern data center Covers critical security and data integrity measures like utilizing environmental controls, redundant power supplies, back up communication systems, and advantageous service agreements Don't make your data center decisions in the dark. Let *Data Centers For Dummies* guide through the ins and outs of all your big data options.

Cloud Computing For Dummies *John Wiley & Sons*

The easy way to understand and implement cloud computing technology

written by a team of experts Cloud computing can be difficult to understand at first, but the cost-saving possibilities are great and many companies are getting on board. If you've been put in charge of implementing cloud computing, this straightforward, plain-English guide clears up the confusion and helps you get your plan in place. You'll learn how cloud computing enables you to run a more green IT infrastructure, and access technology-enabled services from the Internet ("in the cloud") without having to understand, manage, or invest in the technology infrastructure that supports them. You'll also find out what you need to consider when implementing a plan, how to handle security issues, and more. Cloud computing is a way for businesses to take advantage of storage and virtual services through the Internet, saving money on infrastructure and support This book provides a clear definition of cloud computing from the utility computing standpoint and also addresses security concerns Offers practical guidance on delivering and managing cloud computing services effectively and efficiently Presents a proactive and pragmatic approach to implementing cloud computing in any organization Helps IT managers and staff understand the benefits and

challenges of cloud computing, how to select a service, and what's involved in getting it up and running. Highly experienced author team consults and gives presentations on emerging technologies. Cloud Computing For Dummies gets straight to the point, providing the practical information you need to know.

Access 2013 For Dummies *John Wiley & Sons*

The easy guide to Microsoft Access returns with updates on the latest version! Microsoft Access allows you to store, organize, view, analyze, and share data; the new Access 2013 release enables you to build even more powerful, custom database

solutions that integrate with the web and enterprise data sources. Access 2013 For Dummies covers all the new features of the latest version of Access and serves as an ideal reference, combining the latest Access features with the basics of building usable databases. You'll learn how to create an app from the Welcome screen, get support for your desktop databases, and much more. Includes coverage of all the new features of Access 2013, including the updated interface. Shows you how to create and share reports. Features special videos and materials created by the authors to help reinforce the lessons included in the book. Helps you build data

analysis and interface tools for your specific needs Offers plenty of techniques and tips for solving common problems Access 2013 For Dummies provides you with access to the latest version of this database tool.

Introduction to Disciplined Agile Delivery 2nd Edition

Createspace

Independent Publishing Platform

Introduction to Disciplined Agile Delivery 2nd Edition provides a quick overview of how agile software development works from beginning-to-end. It describes Disciplined Agile Delivery (DAD), the first of four levels of the Disciplined Agile (DA) process decision framework, and works through a case study

describing a typical agile team's experiences adopting a DA approach. The book describes how the team develops the first release of a mission-critical application while working in a legacy enterprise environment. It describes their experiences from beginning-to-end, starting with their initial team initiation efforts through construction and finally to deploying the solution into production. It also describes how the team stays together for future releases, overviewing their process improvement efforts from their Scrum-based beginnings through to a lean continuous delivery approach that fits in with their

organization's evolving DevOps strategy. The DAD framework is a hybrid of existing methods such as Scrum, Kanban, Agile Modeling, SAFe, Extreme Programming, Agile Data, Unified Process and many others. DAD provides the flexibility to use various approaches and plugs the gaps not addressed by mainstream agile methods. In a nutshell, DAD is "pragmatic agile." DAD describes proven strategies to adapt and scale your agile initiatives to suit the unique realities of your enterprise without having to figure it all out by yourself. Here's an overview of what each chapter covers:

Chapter 1: Introduction. This chapter provides a quick overview of the book and a brief history of Disciplined Agile. Chapter 2: Reality over Rhetoric. This chapter explores several common myths about DAD and more importantly disproves them. Chapter 3: Disciplined Agile Delivery in a Nutshell. This chapter provides a brief yet comprehensive overview of DAD. Chapter 4: Introduction to the Case Study. This chapter introduces us to the team, describes the market opportunity that they hope to address, and describes the environment in which they're working. Chapter 5: Inception. The team's initiation effort includes initial requirements modeling and planning with their stakeholders in a streamlined manner, initial architecture

modeling, setting up their physical work environment, setting up the start of their tooling infrastructure, initial risk identification, and finally securing stakeholder support and funding for the rest of the first release. Chapters 6 through 10: Construction. These chapters each describe a single Construction iteration, sharing the team's experiences during each of those two-week timeboxes. Chapter 11: Transition. The two-week transition phase focuses on final testing and fixing, training the support/help-desk staff, finishing a few short end-user "how to" videos, and deploying the solution into production. Chapter 12: The Road to Disciplined DevOps.

This chapter overviews the team's improvement efforts over the next few releases, describing how they evolve from the agile Scrum-based lifecycle to a leaner approach and eventually to continuous delivery. All of this dovetails into their organization's efforts to implement a Disciplined DevOps strategy. Chapter 13: Closing Thoughts. This chapter overviews the disciplined agile resources that are available to you. Appendix: The Disciplined Agile Framework. This short appendix overviews our ongoing work on the Disciplined Agile framework to address the full scope of an agile business. At 111 pages, you should find this book to be a quick,

informative read. What's Different in This Edition: Chapter 3 was completely rewritten to reflect the changes to DAD. Chapter 12 was rewritten to describe how the team evolved into a Disciplined DevOps strategy. Appendix A was rewritten to reflect the latest release of the DA framework. General updates were made throughout the book.

Raspberry Pi For Dummies *John Wiley & Sons*

Get your slice of Raspberry Pi With the invention of the unique credit card-sized single-board computer comes a new wave of hardware geeks, hackers, and hobbyists who are excited about the possibilities with the Raspberry Pi—and this is the perfect

guide to get you started. With this down-to-earth book, you'll quickly discover why the Raspberry Pi is in high demand! There's a reason the Raspberry Pi sold a million units in its first year, and you're about to find out why! In *Raspberry Pi For Dummies, 3rd Edition* veteran tech authors Sean McManus and Mike Cook make it easier than ever to get you up and running on your Raspberry Pi, from setting it up, downloading the operating system, and using the desktop environment to editing photos, playing music and videos, and programming with Scratch—and everything in between. Covers connecting the Pi to other devices such as a keyboard,

mouse, monitor, and more Teaches you basic Linux System Admin Explores creating simple hardware projects Shows you how to create web pages Raspberry Pi For Dummies, 3rd Edition makes computing as easy as pie!

How to Weigh an Elephant

Where has everybody gone? Oh! They are busy finding out the weight of King's favourite elephant! Wondering how this will be done? Join Leelavati as she solves this maths mystery for you!

GitHub For Dummies

John Wiley & Sons

Code collaboratively with GitHub Once you've learned the basics of coding the

next step is to start sharing your expertise, learning from other coding pros, or working as a collaborative member of development teams. GitHub is the go-to community for facilitating coding collaboration, and GitHub For Dummies is the next step on your journey as a developer. Written by a GitHub engineer, this book is packed with insight on how GitHub works and how you can use it to become a more effective, efficient, and valuable member of any collaborative programming team. Store and share your work online with GitHub Collaborate with others on your team or across the international coding community Embrace open-source values

and processes. Establish yourself as a valuable member of the GitHub community. From setting up GitHub on your desktop and launching your first project to cloning repositories, finding useful apps on the marketplace, and improving workflow, *GitHub For Dummies* covers the essentials the novice programmer needs to enhance collaboration and teamwork with this industry-standard tool.

Continuous Delivery and DevOps - A Quickstart Guide

Packt Publishing Ltd

A practical and engaging guide to help map out, plan and navigate through the journey to successful CD and DevOps adoption. Key FeaturesIdentify and

overcome the issues that stifle the delivery of quality softwareLearn how Continuous Delivery and DevOps work together with other agile toolsReal-world examples, tricks and tips that will help the successful adoption of CD & DevOpsBook Description Over the past few years, Continuous Delivery (CD) and DevOps have been in the spotlight in tech media, at conferences, and in boardrooms alike. Many articles and books have been written covering the technical aspects of CD and DevOps, yet the vast majority of the industry doesn't fully understand what they actually are and how, if adopted correctly they can help organizations drastically change the

way they deliver value. This book will help you figure out how CD and DevOps can help you to optimize, streamline, and improve the way you work to consistently deliver quality software. In this edition, you'll be introduced to modern tools, techniques, and examples to help you understand what the adoption of CD and DevOps entails. It provides clear and concise insights in to what CD and DevOps are all about, how to go about both preparing for and adopting them, and what quantifiable value they bring. You will be guided through the various stages of adoption, the impact they will have on your business and those working within it, how to overcome common problems, and what to do once CD and DevOps have become truly embedded. Included within this book are some real-world examples, tricks, and tips that will help ease the adoption process and allow you to fully utilize the power of CD and DevOps. What you will learn: Explore Continuous Delivery and DevOps in depth. Discover how CD and DevOps fits in with recent trends such as DataOps, SecOps, pipelines and CI. Understand the root causes of the pain points within your existing product delivery process. Understand the human elements of CD and DevOps and how intrinsic they are to your success. Avoid

common traps, pitfalls and hurdles as you implement CD and DevOpsMonitor and communicate the relative success of DevOps and CD adoptionExtend and reuse CD and DevOps approachesWho this book is for Whether you are a software developer, a system administrator, an agile coach, a product manager, a project manager, a CTO, a VP, a CEO or anyone else involved in software delivery, you will have a common problem which is delivering quality software. This book has been written for anyone and everyone who wants to understand how to regularly deliver quality software to their customers without said pain.

Visual Basic 2019 Handbook *Liew Voon Kiong*

Visual Basic 2019 handbook is authored by Dr. Liew, the webmaster of popular online Visual Basic Tutorial, vbtutor.net. This book is a concise guide to mastering Visual Basic 2019, from beginner to intermediate programmers. This handbook has been written to complement our free online Visual Basic 2019 tutorial with much more content. It is also an excellent reference text for high school or college-level computer science courses. Reading this book will allow you to:

1. Understand the basic concepts of Visual Basic 2019 programming
2. Create your own Visual Basic 2019 applications from

scratch 3. Get inspiration from a variety of interesting sample programs 4. Modify the code samples easily to suit your needs 5. Learn how to package and distribute your applications

Build a Website With Django 3

GNW Independent Publishing

Build a website with Django 3 is the fourth edition of my popular Django beginners book, fully updated for Django 3 Not only has the book been updated to cover the latest version of Django, but I've added install instructions for macOS users. Your complete introduction to Django 3 Build a website with Django 3 covers all the core concepts of Django to get you up and running fast: - Why

Django is the premier Python framework for developing web applications - The big picture - how Django is structured - Django Models - Django Views - Django Templates - The Django admin - Generic views - Simple forms - Complex forms and model forms - Managing Users - Restricted content - File uploads - Sending email - Deploying a Django application Build a real website This book is not about boring theory. You'll be building a fully functioning website as you learn Django. I even show you how to deploy your website to the Internet for free.

CCNA Certification Study Guide, Volume 2

John Wiley & Sons
Cisco expert Todd Lammle prepares you

for the NEW Cisco CCNA certification exam! Cisco, the world leader in network technologies, has released the new Cisco Certified Network Associate (CCNA) exam. This consolidated certification exam tests a candidate's ability to implement and administer a wide range of modern IT networking technologies. The CCNA Certification Study Guide: Volume 2 Exam 200-301 covers every exam objective, including network components, IP connectivity and routing, network security, virtual networking, and much more. Clear and accurate chapters provide you with real-world examples, hands-on activities, in-depth explanations, and numerous review questions to ensure that you're fully prepared on exam day. Written by the leading expert on Cisco technologies and certifications, this comprehensive exam guide includes access to the acclaimed Sybex online learning system—an interactive environment featuring practice exams, electronic flashcards, a searchable glossary, a self-assessment test, and video tutorials on critical Cisco networking concepts and technologies. Covers 100% of all CCNA Exam 200-301 objectives Provides accurate and up-to-date information on core network fundamentals Explains a broad range of Cisco networking and IT

infrastructure Features learning objectives, chapter summaries, 'Exam Essentials' and figures, tables, and illustrations The CCNA Certification Study Guide: Volume 2 Exam 200-301 is the ideal resource for those preparing for the new CCNA certification, as well as IT professionals looking to learn more about Cisco networking concepts and technologies.

**Exam Ref AZ-900
Microsoft Azure
Fundamentals**

Microsoft Press

Prepare for Microsoft Exam AZ-900-and help demonstrate your real-world mastery of cloud services and how they can be provided with Microsoft Azure. Designed for professionals in any non-technical or

technical role, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Fundamentals level. Focus on the expertise measured by these objectives: Understand cloud concepts Understand core Azure services Understand security, privacy, compliance, and trust Understand Azure pricing and support This Microsoft Exam Ref: Organizes its coverage by exam objectives Features strategic, what-if scenarios to challenge you Assumes you want to show foundational knowledge of cloud services and their delivery with Microsoft Azure; no technical background or IT experience is required

About the Exam Exam AZ-900 focuses on knowledge needed to evaluate cloud service's value; explain IaaS, PaaS, and SaaS; compare public, private, and hybrid cloud models; understand core Azure architectural components, products, and management tools; describe the Azure Marketplace, its usage, and key solutions; understand Azure security, identity services, and monitoring; manage privacy, compliance, and data protection; price subscriptions and manage costs; choose support options; use Service Level Agreements; and understand the Azure service lifecycle. About Microsoft Certification Passing this exam fulfills your requirements for the Microsoft Certified Azure Fundamentals credential, demonstrating that you understand cloud concepts, core Azure Services, Azure pricing and support, and the fundamentals of cloud security, privacy, compliance, and trust. See full details at: www.microsoft.com/learn