Effective Devops With Aws Ship Faster Scale Better And Deliver Incredible Productivity

Foreword by Werner Vogels, Vice President and Corporate Technology Officer, Amazon The AWS exam has been updated. Your study guide should be, too. The AWS Certified Developer Official Study Guide–Associate Exam is your ultimate preparation resource for the latest exam! Covering all exam objectives, this invaluable resource puts a team of AWS experts at your side with expert guidance, clear explanations, and the wisdom of experience with AWS best practices. You'll master core services and basic architecture, and equip yourself to develop, deploy, and debug cloud-based applications using AWS. The AWS Developer certification is earned by those who demonstrate the technical knowledge and skill associated with best practices for building secure, reliable cloud-based applications using AWS technology. This book is your official exam prep companion, providing everything you need to know to pass with flying colors. Study the AWS Certified Developer Exam objectives Gain expert insight on core AWS services and best practices Test your understanding of key concepts with challenging chapter questions Access online study tools including electronic flashcards, a searchable

glossary, practice exams, and more Cloud computing offers businesses the opportunity to replace up-front capital infrastructure expenses with low, variable costs that scale as they grow. This customized responsiveness has negated the need for far-future infrastructure planning, putting thousands of servers at their disposal as needed—and businesses have responded, propelling AWS to the number-one spot among cloud service providers. Now these businesses need qualified AWS developers, and the AWS certification validates the exact skills and knowledge they're looking for. When you're ready to get serious about your cloud credentials, the AWS Certified Developer Official Study Guide-Associate Exam is the resource you need to pass the exam with flying colors. NOTE: As of October 7, 2019, the accompanying code for hands-on exercises in the book is available for downloading from the secure Resources area in the online test bank. You'll find code for Chapters 1, 2, 11, and 12.

Python for DevOps shows you how to harness Python for everyday Linux systems administration tasks, as well as today's most useful devops tools, including Docker, Kubernetes, and Terraform. Embrace automation and you'll never look at a boring task the same way again.

Some companies think that adopting devops means bringing in specialists or a host of new tools. With

this practical guide, you'll learn why devops is a professional and cultural movement that calls for change from inside your organization. Authors Ryn Daniels and Jennifer Davis provide several approaches for improving collaboration within teams, creating affinity among teams, promoting efficient tool usage in your company, and scaling up what works throughout your organization's inflection points. Devops stresses iterative efforts to break down information silos, monitor relationships, and repair misunderstandings that arise between and within teams in your organization. By applying the actionable strategies in this book, you can make sustainable changes in your environment regardless of your level within your organization. Explore the foundations of devops and learn the four pillars of effective devops Encourage collaboration to help individuals work together and build durable and long-lasting relationships Create affinity among teams while balancing differing goals or metrics Accelerate cultural direction by selecting tools and workflows that complement your organization Troubleshoot common problems and misunderstandings that can arise throughout the organizational lifecycle Learn from case studies from organizations and individuals to help inform your own devops journey
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.

Reliable Software Releases Through Build, Test, and Deployment Automation

Implement continuous delivery and integration in the AWS environment, 2nd Edition

Develop and run your application with Docker containers using DevOps tools for continuous delivery

Python for DevOps

Microservices for the Enterprise

Embracing DevOps Through Effective Culture, People, and Processes

Building, Deploying, and Scaling Modern

Learn how to deploy and test Linux-based Docker containers with the help of real-world use cases Key FeaturesUnderstand how to make a deployment workflow run smoothly with Docker containersLearn Docker and DevOps concepts such as continuous integration and continuous deployment (CI/CD)Gain insights into using various Docker tools and librariesBook Description Docker is the de facto standard for containerizing apps, and with an increasing number of software projects migrating to containers, it is crucial for engineers and DevOps teams to understand how to build, deploy, and secure Docker environments effectively. Docker for Developers will help you understand Docker containers from scratch while taking you through best practices and showing you how to address security concerns. Starting with an introduction to Docker, you'll learn how to use containers and VirtualBox for development. You'll explore how containers work and develop projects within them after you've explored different ways to deploy and run containers. The book will also show you how to use Docker containers in production in both single-host set-ups and in clusters and deploy them using Jenkins, Kubernetes, and Spinnaker. As you advance, you'll get to grips with monitoring, securing, and scaling Docker using tools such as Prometheus and Grafana. Later, you'll be able to deploy Docker containers to a variety of environments, including the cloud-native Amazon Elastic Kubernetes Service (Amazon EKS), before finally delving into Docker security concepts and best practices. By the end

of the Docker book, you'll be able to not only work in a container-driven environment confidently but also use Docker for both new and existing projects. What you will learnGet up to speed with creating containers and understand how they workPackage and deploy your containers to a variety of platformsWork with containers in the cloud and on the Kubernetes platformDeploy and then monitor the health and logs of running containersExplore best practices for working with containers from a security perspectiveBecome familiar with scanning containers and using third-party security tools and librariesWho this book is for If you're a software engineer new to containerization or a DevOps engineer responsible for deploying Docker containers in the cloud and building DevOps pipelines for container-based projects, you'll find this book useful. This Docker containers book is also a handy reference guide for anyone working with a Docker-based DevOps ecosystem or interested in understanding the security implications and best practices for working in container-driven environments. New York Times bestselling author Dan Heath explores how to prevent problems before they happen, drawing on insights from hundreds of interviews with unconventional problem solvers. So often in life, we get stuck in a cycle of response. We put out fires. We deal with emergencies. We stay downstream, handling one problem after another, but we never make our way upstream to fix the systems that caused the problems. Cops chase robbers, doctors treat patients with chronic illnesses, and call-center reps address customer complaints. But many crimes, chronic illnesses, and

customer complaints are preventable. So why do our efforts skew so heavily toward reaction rather than prevention? Upstream probes the psychological forces that push us downstream—including "problem blindness," which can leave us oblivious to serious problems in our midst. And Heath introduces us to the thinkers who have overcome these obstacles and scored massive victories by switching to an upstream mindset. One online travel website prevented twenty million customer service calls every year by making some simple tweaks to its booking system. A major urban school district cut its dropout rate in half after it figured out that it could predict which students would drop out—as early as the ninth grade. A European nation almost eliminated teenage alcohol and drug abuse by deliberately changing the nation's culture. And one EMS system accelerated the emergency-response time of its ambulances by using data to predict where 911 calls would emerge—and forward-deploying its ambulances to stand by in those areas. Upstream delivers practical solutions for preventing problems rather than reacting to them. How many problems in our lives and in society are we tolerating simply because we've forgotten that we can fix them?

Bill has 90 days to fix a behind-schedule IT project, or his entire department will be outsourced. Fortunately, he has the help of a prospective board member, whose "Three Ways" philosophy might just save the day.

Increase profitability, elevate work culture, and exceed productivity goals with this updated and expanded edition of the definitive handbook for DevOps.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.

Learning Journeys for the Whole Team

Visual Studio 2019 In Depth

DevOps Adoption Strategies: Principles, Processes, Tools, and Trends

Mastering AWS CloudFormation

Continuous Delivery

Build Your Knowledge and Technical Expertise As an AWS-Certified Networking Specialist

An Introduction to Cloud-Based Machine Learning

Apply business requirements to IT infrastructure and deliver a high-quality product by understanding architectures such as microservices, DevOps, and cloud-native using modern C++ standards and features Key Features: Design scalable large-scale applications with the C++ programming language Architect software

solutions in a cloud-based environment with continuous integration and continuous delivery (CI/CD) Achieve architectural goals by leveraging design patterns, language features, and useful tools Book Description: Software architecture refers to the high-level design of complex applications. It is evolving just like the languages we use. Modern C++ allows developers to write high-performance apps in a high-level language without sacrificing readability and maintainability. If you're working with modern C++, this practical guide will help you put your knowledge to work and design distributed, large-scale apps. You'll start by getting up to speed with architectural concepts, including established patterns and rising trends. The book will then explain what software architecture is and help you explore its components. Next, you'll discover the design concepts involved in application architecture and the patterns in software development, before going on to learn how to build, package, integrate, and deploy your components. In the concluding chapters, you'll explore different architectural qualities, such as maintainability, reusability, testability, performance, scalability, and security. Finally, you will get an overview of distributed systems, such as service-oriented architecture, microservices, and cloud-native, and understand how to apply them in application development. By the end of this book, you'll be able to build distributed services using modern C++ and associated tools to deliver solutions as per your clients' requirements. What You Will Learn: Understand how to apply the principles of software architecture Apply design patterns and best practices to meet your architectural goals Write elegant, safe, and performant code using the latest C++ features Build applications that are easy to maintain and deploy Explore

the different architectural approaches and learn to apply them as per your requirement Simplify development and operations using application containers Discover various techniques to solve common problems in software design and development Who this book is for: This software architecture C++ programming book is for experienced C++ developers who are looking to become software architects or are interested in developing enterprise-grade applications.

About a decade ago, most people, especially those not involved in IT, knew nothing about Agile. However, fast-forward ten years, and almost all organizations and enterprises know a bit about Agile. The agile transformation has in fact begun in most organizations, but others are unsure about where and how to start. Most people who have experience with Agile agree on one particular thing: it is a better way of working. The scrum master plays a significant role in Agile transformation by helping the team work the Agile way, ensuring that the team is well organized and that each member is always serving the greater good of the team and helping the team overcome challenges.A Scrum Master is a teacher, leader, and a change agent, capable of building a team that can govern its own affairs and ultimately making the team capable of operating without the scrum master's intervention. However, not all scrum masters take delight in these roles, instead considering their designation a way of moving up the ladder. Then there are those who desire to be heroes via the role, while others maintain the vision of becoming a scrum master, perhaps inspired by another scrum master, for the inspirational goodwill that the role may offer. Situations abound where managers pick any available person to become a scrum master. I have seen some people succeed in this job and seen

others grow weary and run out of the zeal it takes to continue. I have also seen some really thrive while others get exhausted, de-motivated, and eager to just run away. There is more to becoming a good scrum master than zeal, focus, and motivation. Becoming a good scrum master goes beyond being determined, inspired, and excited to succeed. It requires soft skills and leadership plus a solid understanding of Agile, its principles, and practices. A good scrum master has the courage and will to learn despite challenges. The path can prove challenging, bumpy, and uneasy, but a good scrum master maintains courage and the will to learn. This book acts as a guide toward acquiring the necessary knowledge and the requisite skill set to succeed as scrum master. I have been privileged to coach and train several scrum masters, executives, product owners, and teams in different countries and industries, so I offer here real-life experiences. In fact, most of the scenarios explained in this book are actual cases, but I have changed the names of individuals and organizations in order to protect anonymity.

Many organizations today have begun to modernize their Windows workloads to take full advantage of cloud economics. If you're a C# developer at one of these companies, you need options for rehosting, replatforming, and refactoring your existing .NET Framework applications. This practical book guides you through the process of converting your monolithic application to microservices on AWS. Authors Noah Gift, founder of Pragmatic AI Labs, and James Charlesworth, engineering manager at Pendo, take you through the depth and breadth of .NET tools on AWS. You'll examine modernization techniques and pathways for incorporating Linux and Windows containers and

serverless architecture to build, maintain, and scale modern .NET apps on AWS. With this book, you'll learn how to make your applications more modern, resilient, and cost-effective. Get started building solutions with C# on AWS Learn DevOps best practices for AWS Explore the development tools and services that AWS provides Successfully migrate a legacy .NET application to AWS Develop serverless .NET microservices on AWS Containerize your .NET applications and move into the cloud Monitor and test your AWS .NET applications Build cloud native solutions that combine the best of the .NET platform and AWS

Janet Gregory and Lisa Crispin pioneered the agile testing discipline with their previous work, Agile Testing. Now, in More Agile Testing, they reflect on all they've learned since. They address crucial emerging issues, share evolved agile practices, and cover key issues agile testers have asked to learn more about. Packed with new examples from real teams, this insightful guide offers detailed information about adapting agile testing for your environment; learning from experience and continually improving your test processes; scaling agile testing across teams; and overcoming the pitfalls of automated testing. You'll find brand-new coverage of agile testing for the enterprise, distributed teams, mobile/embedded systems, regulated environments, data warehouse/BI systems, and DevOps practices. You'll come away understanding • How to clarify testing activities within the team • Ways to collaborate with business experts to identify valuable features and deliver the right capabilities • How to design automated tests for superior reliability and easier maintenance • How agile team members can improve and expand their testing skills • How to plan "just enough," balancing small increments

with larger feature sets and the entire system • How to use testing to identify and mitigate risks associated with your current agile processes and to prevent defects • How to address challenges within your product or organizational context • How to perform exploratory testing using "personas" and "tours" • Exploratory testing approaches that engage the whole team, using test charters with session- and thread-based techniques • How to bring new agile testers up to speed quickly–without overwhelming them Janet Gregory is founder of DragonFire Inc., an agile quality process consultancy and training firm. Her passion is helping teams build quality systems. For almost fifteen years, she has worked as a coach and tester, introducing agile practices into companies of all sizes and helping users and testers understand their agile roles. She is a frequent speaker at agile and testing software conferences, and is a major contributor to the agile testing community. Lisa Crispin, an experienced agile testing practitioner and coach, regularly leads conference workshops on agile testing and contributes frequently to agile software publications. She enjoys collaborating as part of an awesome agile team to produce quality software. Since 1982, she has worked in a variety of roles on software teams, in a wide range of industries. She joined her first agile team in 2000 and continually learns from other teams and practitioners.

Kick-Start Your Solutions Architect Career by Learning Architecture Design Principles and Strategies

Software Architecture with C# 9 and .NET 5 - Second Edition

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

The DevOps Handbook

The Quest to Solve Problems Before They Happen
Programming AWS Lambda
Terraform: Up and Running

Much has changed in technology over the past decade. Data is hot, the cloud is ubiquitous, and many organizations need some form of automation. Throughout these transformations, Python has become one of the most popular languages in the world. This practical resource shows you how to use Python for everyday Linux systems administration tasks with today's most useful DevOps tools, including Docker, Kubernetes, and Terraform. Learning how to interact and automate with Linux is essential for millions of professionals. Python makes it much easier. With this book, you'll learn how to develop software and solve problems using containers, as well as how to monitor, instrument, load-test, and operationalize your software. Looking for effective ways to "get stuff done" in Python? This is your guide. Python foundations, including a brief introduction to the language How to automate text, write command-line tools, and automate the filesystem Linux utilities, package

management, build systems, monitoring and instrumentation, and automated testing Cloud computing, infrastructure as code, Kubernetes, and serverless Machine learning operations and data engineering from a DevOps perspective Building, deploying, and operationalizing a machine learning project
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.

Some companies think that adopting devops means bringing in specialists or a host of new tools. With this practical guide, you'll learn why devops is a professional and cultural movement that calls for change from inside your organization. Authors Ryn Daniels and Jennifer Davis provide several approaches for improving collaboration within teams, creating affinity among teams, promoting efficient tool usage in your company, and scaling up what works throughout your organization's inflection points. Devops stresses

iterative efforts to break down information silos, monitor relationships, and repair misunderstandings that arise between and within teams in your organization. By applying the actionable strategies in this book, you can make sustainable changes in your environment regardless of your level within your organization. Explore the foundations of devops and learn the four pillars of effective devops Encourage collaboration to help individuals work together and build durable and long-lasting relationships Create affinity among teams while balancing differing goals or metrics Accelerate cultural direction by selecting tools and workflows that complement your organization Troubleshoot common problems and misunderstandings that can arise throughout the organizational lifecycle Learn from case studies from organizations and individuals to help inform your own devops journey From fundamentals and design patterns to the different strategies for creating secure and reliable architectures in AWS cloud, learn everything you need to become a successful solutions architect

Key Features Create solutions and transform business requirements into technical architecture with this practical guide Understand various challenges that you might come across while refactoring or modernizing legacy applications Delve into security automation, DevOps, and validation of solution architecture Book Description Becoming a solutions architect gives you the flexibility to work with cutting-edge technologies and define product strategies. This handbook takes you through the essential concepts, design principles and patterns, architectural considerations, and all the latest technology that you need to know to become a successful solutions architect. This book starts with a quick introduction to the fundamentals of solution architecture design principles and attributes that will assist you in understanding how solution architecture benefits software projects across enterprises. You'll learn what a cloud migration and application modernization framework looks like, and will use microservices, event-driven, cache-based, and serverless patterns to design

robust architectures. You'll then explore the main pillars of architecture design, including performance, scalability, cost optimization, security, operational excellence, and DevOps. Additionally, you'll also learn advanced concepts relating to big data, machine learning, and the Internet of Things (IoT). Finally, you'll get to grips with the documentation of architecture design and the soft skills that are necessary to become a better solutions architect. By the end of this book, you'll have learned techniques to create an efficient architecture design that meets your business requirements. What you will learn Explore the various roles of a solutions architect and their involvement in the enterprise landscape Approach big data processing, machine learning, and IoT from an architect's perspective and understand how they fit into modern architecture Discover different solution architecture patterns such as event-driven and microservice patterns Find ways to keep yourself updated with new technologies and enhance your skills Modernize legacy applications with the help of cloud integration Get to grips

with choosing an appropriate strategy to reduce cost Who this book is for This book is for software developers, system engineers, DevOps engineers, architects, and team leaders working in the information technology industry who aspire to become solutions architect professionals. A good understanding of the software development process and general programming experience with any language will be useful.

Docker for Developers

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

More Agile Testing

A Comprehensive Guide on Using C# to Build Solutions on the AWS Platform

AWS Certified Developer Official Study Guide

Software Architecture with C++

Building a Culture of Collaboration, Affinity, and Tooling at Scale

Understand the key challenges and solutions around building microservices in the enterprise application environment. This book provides a comprehensive understanding of microservices architectural principles and how to use microservices in real-

world scenarios. Architectural challenges using microservices with service integration and API management are presented and you learn how to eliminate the use of centralized integration products such as the enterprise service bus (ESB) through the use of composite/integration microservices. Concepts in the book are supported with use cases, and emphasis is put on the reality that most of you are implementing in a "brownfield" environment in which you must implement microservices alongside legacy applications with minimal disruption to your business. Microservices for the Enterprise covers state-of-the-art techniques around microservices messaging, service development and description, service discovery, governance, and data management technologies and guides you through the microservices design process. Also included is the importance of organizing services as core versus atomic, composite versus integration, and API versus edge, and how such organization helps to eliminate the use of a central ESB and expose services

through an API gateway. What You'll LearnDesign and develop microservices architectures with confidence Put into practice the most modern techniques around messaging technologies Apply the Service Mesh pattern to overcome inter-service communication challenges Apply battle-tested microservices security patterns to address real-world scenarios Handle API management, decentralized data management, and observability Who This Book Is For Developers and DevOps engineers responsible for implementing applications around a microservices architecture, and architects and analysts who are designing such systems A comprehensive introduction to automated application deployment on Kubernetes for beginners Key Features Effectively manage applications deployed in Kubernetes using Helm Learn to install, upgrade, share, and manage applications deployed in Kubernetes Get up and running with a package manager for Kubernetes Book Description Containerization is currently known to be one of the best ways to implement DevOps. While Docker introduced

containers and changed the DevOps era, Google developed an extensive container orchestration system, Kubernetes, which is now considered the frontrunner in container orchestration. With the help of this book, you'll explore the efficiency of managing applications running on Kubernetes using Helm. Starting with a short introduction to Helm and how it can benefit the entire container environment, you'll then delve into the architectural aspects, in addition to learning about Helm charts and its use cases. You'll understand how to write Helm charts in order to automate application deployment on Kubernetes. Focused on providing enterprise-ready patterns relating to Helm and automation, the book covers best practices for application development, delivery, and lifecycle management with Helm. By the end of this Kubernetes book, you will have learned how to leverage Helm to develop an enterprise pattern for application delivery. What you will learn Develop an enterprise automation strategy on Kubernetes using Helm Create easily consumable and

configurable Helm charts Use Helm in orchestration tooling and Kubernetes operators Explore best practices for application delivery and life cycle management Leverage Helm in a secure and stable manner that is fit for your 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 application development on Kubernetes. Although no prior knowledge of Helm is required, basic knowledge of Kubernetes application development will be useful.

Effective DevOps with AWSPackt Publishing Ltd

AWS CloudFormation provisions your resources in a safe and repeatable manner, allowing you to build your infrastructure and applications without performing manual actions or writing custom scripts. This comprehensive guide will help readers to implement Infrastructure as a Code using AWS CloudFormation.

Cloud Native DevOps with Kubernetes

Effective DevOps

Latest Amazon AWS DevOps Engineer -
Professional DOP-CO1 Exam Questions and
Answers
AWS Certified Advanced Networking -
Specialty Exam Guide
Developing on AWS with C#
Becoming A Great Scrum Master
Writing Infrastructure As Code
Develop technical skills and expertise to automate AWS
networking tasks Key Features A fast paced guide that
will help you pass the exam with confidence Learn
advanced skill sets to build effective AWS networking
solutions Enhance your AWS skills with practice exercises
and mock tests Book Description Amazon has recently
come up a with specialty certifications which validates a
particular user's expertise that he/she would want to
a career in. Since the Cloud market now demands of AWS
networking skills this becomes the most wanted
certification to upheld ones industry portfolio. This book
would be your ideal companion to getting skilled with
complex and creative networking solutions. Cloud
practitioners or associate-level certified individuals
interested in validating advanced skills in networking can
opt for this practical guide. This book will include topics
that will help you design and implement AWS and hybrid
IT network architectures along with some network
automation tasks. You will also delve deep into topics that
will help you design and maintain network architectures
for all AWS services. Like most of our certification guides

this book will also follow a unique approach of testing your learning with chapter-level practice exercises and certification-based mock tests. The exam mock tests will help you gauge whether you are ready to take the certification exam or not. This book will also be an advanced guide for networking professionals to enhance their networking skills and get certified. By the end of the book, you will be all equipped with AWS networking concepts and techniques and will have mastered core architectural best practices. What you will learn Formulate solution plans and provide guidance on AWS architecture best practices Design and deploy scalable, highly available, and fault-tolerant systems on AWS Identify the tools required to replicate an on-premises network in AWS Analyze the access and egress of data and from AWS Select the appropriate AWS service based on data, compute, database, or security requirements Estimate AWS costs and identify cost control mechanisms Who this book is for If you are a system administrator, a network engineer interested in getting certified with advanced Cloud networking certification then this book for you. Prior experience in Cloud administration and networking would be necessary.

Terraform has become a key player in the DevOps world for defining, launching, and managing infrastructure as code (IAC) across a variety of cloud and virtualization platforms, including Azure, Google Cloud, DigitalOcean, and others. The updated second edition of this hands-on guide is fastest way to get up and running with Terraform

Develop faster with DevOps DevOps embraces a culture of unifying the creation and distribution of technology 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 way of working. Inside, DevOps evangelist Emily Freeman provides a roadmap for adopting the management and technology tools, as well as the cultu changes, needed to dive head-first into DevOps. Identif your organization's needs Create a DevOps framework Change your organizational structure Manage projects the DevOps world DevOps For Dummies is essential reading for developers and operations professionals in early stages of DevOps adoption.

Achieve streamlined, rapid production with enterprise-level DevOps Awarded DevOps 2017 Book of the Year, The DevOps Adoption Playbook provides practical, actionable, real-world guidance on implementing DevOp at enterprise scale. Author Sanjeev Sharma heads the DevOps practice for IBM; in this book, he provides unique guidance and insight on implementing DevOps at large organizations. Most DevOps literature is aimed at startups, but enterprises have unique needs, capabilitie limitations, and challenges; "DevOps for startups" doesn work at this scale, but the DevOps paradigm can revolutionize enterprise IT. Deliver high-value applications and systems with velocity and agility by adopting the necessary practices, automation tools, an

Download Free Effective Devops With Aws Ship
Faster Scale Better And Deliver Incredible

Productivity organizational and cultural changes that lead to
innovation through rapid experimentation. Speed is an
advantage in the face of competition, but it must neve
come at the expense of quality; DevOps allows your
organization to keep both by intersecting development,
quality assurance, and operations. Enterprise-level
DevOps comes with its own set of challenges, but this
book shows you just how easily they are overcome. Wi
slight shift in perspective, your organization can stay
ahead of the competition while keeping costs, risks, an
quality under control. Grasp the full extent of the DevO
impact on IT organizations Achieve high-value innovatio
and optimization with low cost and risk Exceed traditio
business goals with higher product release efficiency
Implement DevOps in large-scale enterprise IT
environments DevOps has been one of IT's hottest tren
for the past decade, and plenty of success stories test
its effectiveness in organizations of any size, industry,
level of IT maturity, all around the world. The DevOps
Adoption Playbook shows you how to get your
organization on board so you can slip production into t
fast lane and innovate your way to the top.
Improve Productivity, Reduce Complexity, and Speed Up
Cloud-Native Adoption with Helm for Kubernetes
Associate (DVA-CO1) Exam
DevOps For Dummies
The Devops Handbook: How to Create World-Class
Agility, Reliability, & Security in Technology
Organizations

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Learn Ruthlessly Effective Automation
Mastering Python Design Patterns
Learn Helm

Step-by-step guide to all the tools and extensions in the Visual Studio 2019 IDE DESCRIPTION This book peeks into every corner of the Visual Studio IDE and will help you get started with the latest 2019 version. Right from installation, you'll discover new features within the tool and the optimal way to use the features you may already know. You'll learn, for example, how to extend Visual Studio with your own customizations, so that you can make it perform the way you want. You will then explore everything about NuGet package, test applications using Live Unit Testing, and learn how to make code templates using the T4 code generation tool. You'll get to grips with the richer JavaScript IntelliSense, which will help you focus more on coding. Moving on, you'll learn to work with the dedicated workloads for data storage and data science. You will also review the more advanced architecture tools concealed within the IDE and finally create cloud-first

applications powered by Microsoft Azure using the built-in suite of Azure tools. KEY FEATURES ● Create and use custom IDE extensions ● Find, download, and use the best IDE extensions for web, mobile, Azure, and Windows ● Enhance programming experience and time with debugging tools ● Enhance coding capabilities with coding tools ● Test projects proactively ● Create powerful web, mobile, and Azure solutions for the real world WHAT WILL YOU LEARN By the end of the book, you will be able to tackle any solution for any platform head-on. You will create real-world solutions from start to finish. By using the tools and extensions outlined in this book, you will be able to code better and faster, debug better, share your code with more peers, test your code better, and install or publish your apps quicker and without issues. WHO THIS BOOK IS FOR The book is intended for any .NET developer. You can be a seasoned developer or a newbie just starting out. This book will play a pivotal role in presenting all the tools you need to become a better developer. Table of Contents 1. Getting

started with Visual Studio 2. Digging in the Visual Studio IDE 3. IntelliSense 4. Language & coding changes in C# 5. What's new in .Net core 6. Built-in tools 7. Debugging tools 8. Testing tools 9. ASP.NET tools 10. Mobile tools 11. Azure tools 12. IDE extensions 13. ASP.NET extensions 14. Mobile extensions 15. Azure DevOps extensions

Step by step guide to monitor, manage, and secure your database engine Key Features Your companion to master all the administration-related tasks in MySQL 8 Ensure high performance and high availability of your MySQL solution using effective replication and backup techniques A comprehensive guide to performing query optimization, security and a whole host of other administrative tasks in MySQL 8 Book Description MySQL is one of the most popular and widely used relational databases in the world today. The recently released version 8.0 brings along some major advancements in the way your MySQL solution can be administered. This handbook will be your companion to understand the newly

introduced features in MySQL and how you can leverage them to design a high-performance MySQL solution for your organization. This book starts with a brief introduction to the newly introduced features in MySQL 8, followed by quickly jumping onto the crucial administration topics that you will find useful in your day to day work. Topics such as migrating to MySQL 8, MySQL benchmarking, achieving high performance by implementing the indexing techniques, and optimizing your queries are covered in this book. You will also learn how to perform replication, scale your MySQL solution and implement effective security techniques. A special section on the common and not so common troubleshooting techniques for effective MySQL administration is also covered in this book. By the end of this highly practical book, you will have all the knowledge you need to tackle any problem you might encounter while administering your MySQL solution. What you will learn Understanding different MySQL 8 data types based on type of contents and

storage requirements Best practices for optimal use of features in MySQL 8 Explore globalization configuration and caching techniques to improve performance Create custom storage engine as per system requirements Learn various ways of index implementation for flash memory storages Configure and implement replication along with approaches to use replication as solution Understand how to make your MySQL 8 solution highly available Troubleshoot common issues and identify error codes while using MySQL 8 Who this book is for This book is intended for MySQL administrators who are looking for a handy guide covering all the MySQL administration-related tasks. If you are a DBA looking to get started with MySQL administration, this book will also help you. Knowledge of the basic database concepts is required to get started with this book. Serverless is a revolution in the way organizations build and deploy software. With this hands-on guide, Java engineers will learn how to use their language experience in the new world of serverless computing. You'll

discover how this cloud computing model can drastically reduce the complexity in developing and operating applications while reducing costs and time to market. Engineering leaders John Chapin and Mike Roberts guide you through the process of developing serverless applications using AWS Lambda, Amazon's event-driven, serverless computing platform. You'll learn how to prepare the development environment, program Lambda functions, and deploy and operate your serverless software. Chapters includes exercises to help you through each aspect of the process. Get an introduction to serverless, functions-as-a-service, and AWS Lambda Learn how to deploy working Lambda functions to the cloud Program Lambda functions and learn how to get data in and out Build and package Java-based Lambda code and dependencies Create serverless applications by building a serverless API and data pipeline Test your serverless applications using automated techniques Apply advanced techniques to build production-ready applications
The Operator Handbook takes three

disciplines (Red Team, OSINT, Blue Team) and combines them into one complete reference guide. The book contains 123 individual cheat sheet references for many of the most frequently used tools and techniques by practitioners. Over 400 pages of content to assist the most seasoned cybersecurity veteran or someone just getting started in the career field. The goal of combining all disciplines into one book was to remove the artificial barriers that only certain knowledge exists within a "Team". The reality is today's complex digital landscape demands some level of knowledge in all areas. The "Operator" culture should mean a well-rounded team member no matter the "Team" you represent. All cybersecurity practitioners are Operators. The Blue Team should observe and understand Red Team tactics, Red Team should continually push collaboration with the Blue Team, and OSINT should continually work to peel back evidence of evil doers scattered across disparate data sources. In the spirit of having no separation, each reference is listed in

alphabetical order. Not only does this remove those team separated notions, but it also aids in faster lookup. We've all had the same experience where we knew there was an "NMAP Cheat Sheet" but did it fall under Networking, Windows, or Tools? In the Operator Handbook it begins with "N" so flip to the N's section. Also almost every topic is covered in "How to exploit X" and "How to defend X" perspectives. Tools and topics covered: Cloud (AWS, Azure, GCP), Windows, macOS, Linux, Android, iOS, DevOps (Docker, Kubernetes), OSINT, Ports, Forensics, Malware Resources, Defender tools, Attacker tools, OSINT tools, and various other supporting tools (Vim, iptables, nftables, etc...). This handbook was truly meant to be a single source for the most common tool and techniques an Operator can encounter while on the job. Search Copy Paste L33t.
Designing, Developing, and Deploying
Leverage Azure, AWS, GCP, and VMware
VSphere to Build Effective Multi-cloud
Solutions
Docker

Plan, Develop, and Deploy Your Cloud Infrastructure Effectively Using AWS CloudFormation
Effective DevOps with AWS
Architecting Software Solutions Using Microservices, DevOps, and Design Patterns for Azure Cloud
Multi-Cloud Architecture and Governance

Exploit various design patterns to master the art of solving problems using Python Key Features Master the application design using the core design patterns and latest features of Python 3.7 Learn tricks to solve common design and architectural challenges Choose the right plan to improve your programs and increase their productivity Book Description Python is an object-oriented scripting language that is used in a wide range of categories. In software engineering, a design pattern is an elected solution for solving software design problems. Although they have been around for a while, design patterns remain one of the top topics in software engineering, and are a ready source for software developers to solve the problems they face on a regular basis. This book takes you through a variety of design patterns and explains them with real-world examples. You will get to grips with low-level details and concepts that

Productivity **show you how to write Python code, without focusing on common solutions as enabled in Java and C++. You'll also fnd sections on corrections, best practices, system architecture, and its designing aspects. This book will help you learn the core concepts of design patterns and the way they can be used to resolve software design problems. You'll focus on most of the Gang of Four (GoF) design patterns, which are used to solve everyday problems, and take your skills to the next level with reactive and functional patterns that help you build resilient, scalable, and robust applications. By the end of the book, you'll be able to effciently address commonly faced problems and develop applications, and also be comfortable working on scalable and maintainable projects of any size. What you will learn Explore Factory Method and Abstract Factory for object creation Clone objects using the Prototype pattern Make incompatible interfaces compatible using the Adapter pattern Secure an interface using the Proxy pattern Choose an algorithm dynamically using the Strategy pattern Keep the logic decoupled from the UI using the MVC pattern Leverage the Observer pattern to understand reactive programming Explore patterns for cloud-native, microservices, and serverless architectures**

Who this book is for This book is for intermediate Python developers. Prior knowledge of design patterns is not required to enjoy this book.

A comprehensive guide to architecting, managing, implementing, and controlling multi-cloud environments Key Features Deliver robust multi-cloud environments and improve your business productivity Stay in control of the cost, governance, development, security, and continuous improvement of your multi-cloud solution Integrate different solutions, principles, and practices into one multi-cloud foundation and manage this architecture Book Description Multi-cloud has emerged as one of the top cloud computing trends, with businesses wanting to reduce their reliance on only one vendor. But when organizations shift to multiple cloud services without a clear strategy, they may face certain difficulties, in terms of how to stay in control, how to keep all the different components secure, and how to execute the cross-cloud development of applications. This book combines best practices from different cloud adoption frameworks to help you find solutions to these problems. With the help of step-by-step explanations of essential concepts, practical examples, and self-assessment questions, you'll begin by

planning the foundation for multi-cloud, creating the architecture, designing the governance model, and implementing tools, processes, and technologies to manage multi-cloud environments. You'll then discover how to design workload environments using different cloud propositions, understand how to optimize the use of these cloud platforms and technologies, and automate and monitor the environments. As you advance, you'll delve into multi-cloud governance, defining clear demarcation models and management processes. Finally, you'll learn about managing identities in multi-cloud: who's doing what, why, when, and where. By the end of this multi-cloud book, you'll be able to create, implement, and manage architectures for multi-cloud and manage governance models with confidence What You Will Learn Get to grips with the core functions of multiple cloud platforms to design effective solutions Deploy, automate, and secure different cloud solutions Design network strategy and get to grips with identity and access management for multi-cloud Design a landing zone spanning multiple cloud platforms Use automation, monitoring, and management tools for multi-cloud infrastructure Understand multi-cloud management with the principles of BaseOps,

FinOps, SecOps, and DevOps Define multi-cloud security policies and use cloud security tools Test, integrate, deploy, and release using multi-cloud CI/CD pipelines Who this book is for ⌐This book is for architects and lead engineers involved in architecting multi-cloud environments, with a focus on getting governance right to stay in control of developments in multi-cloud. Basic knowledge of different cloud platforms (Azure, AWS, GCP, VMWare, and OpenStack) and understanding of IT governance is necessary.

Scale gracefully and maintain outstanding performance with your AWS-based infrastructure using DevOps principles About This Book Implement DevOps principles to take full advantage of the AWS stack and services Take expert look at solving problems faced by real developers and operation teams and learn to overcome them Learn from expert insights of the author who has worked with Silicon Valley's most high-profile companies Who This Book Is For This book is for developers, DevOps engineers and teams who want to build and use AWS for their software infrastructure. Basic computer science knowledge is required for this book. What You Will Learn Find out what it means to practice DevOps and what its principles are Build repeatable

infrastructures using templates and configuration management Deploy multiple times a day by implementing continuous integration and continuous deployment pipelines Use the latest technologies, including containers and serverless computing, to scale your infrastructure Collect metrics and logs and implement an alerting strategy Make your system robust and secure In Detail The DevOps movement has transformed the way modern tech companies work. AWS which has been on the forefront of the Cloud computing revolution has also been a key contributor of this DevOps movement creating a huge range of managed services that help you implement the DevOps principles. In this book, you'll see how the most successful tech start-ups launch and scale their services on AWS and how you can too. Written by a lead member of Mediums DevOps team, this book explains how to treat infrastructure as code, meaning you can bring resources online and offline as necessary with the code as easily as you control your software. You will also build a continuous integration and continuous deployment pipeline to keep your app up to date. You'll find out how to scale your applications to offer maximum performance to users anywhere in the world, even when

traffic spikes with the latest technologies, such as containers and serverless computing. You will also take a deep dive into monitoring and alerting to make sure your users have the best experience when using your service. Finally, you'll get to grips with ensuring the security of your platform and data. Style and approach This is a practical, hands-on, comprehensive guide to AWS, helping readers understand AWS in a step by step manner. Scale and maintain outstanding performance in your AWS-based infrastructure using DevOps principles Key FeaturesImplement continuous integration and continuous deployment pipelines on AWSGain insight from an expert who has worked with Silicon Valley's most high-profile companiesImplement DevOps principles to take full advantage of the AWS stack and servicesBook Description The DevOps movement has transformed the way modern tech companies work. Amazon Web Services (AWS), which has been at the forefront of the cloud computing revolution, has also been a key contributor to the DevOps movement, creating a huge range of managed services that help you implement DevOps principles. Effective DevOps with AWS, Second Edition will help you to understand how the most successful tech

Productivity **start-ups launch and scale their services on AWS, and will teach you how you can do the same. This book explains how to treat infrastructure as code, meaning you can bring resources online and offline as easily as you control your software. You will also build a continuous integration and continuous deployment pipeline to keep your app up to date. Once you have gotten to grips will all this, we'll move on to how to scale your applications to offer maximum performance to users even when traffic spikes, by using the latest technologies, such as containers. In addition to this, you'll get insights into monitoring and alerting, so you can make sure your users have the best experience when using your service. In the concluding chapters, we'll cover inbuilt AWS tools such as CodeDeploy and CloudFormation, which are used by many AWS administrators to perform DevOps. By the end of this book, you'll have learned how to ensure the security of your platform and data, using the latest and most prominent AWS tools. What you will learnImplement automatic AWS instance provisioning using CloudFormationDeploy your application on a provisioned infrastructure with AnsibleManage infrastructure using TerraformBuild and deploy a CI/CD pipeline with Automated Testing on AWSUnderstand**

the container journey for a CI/CD pipeline using AWS ECSMonitor and secure your AWS environmentWho this book is for Effective DevOps with AWS is for you if you are a developer, DevOps engineer, or you work in a team which wants to build and use AWS for software infrastructure. Basic computer science knowledge is required to get the most out of this book.

Operator Handbook

MySQL 8 Administrator's Guide

Red Team + OSINT + Blue Team Reference

DevOps Bootcamp

The DevOps Adoption Playbook

Everything You Need Know to be a Great Scrum Master

The Phoenix Project

The step-by-step guide to going live with new software releases faster - reducing risk and delivering more value sooner! * *Fast, simple, repeatable techniques for deploying working code to production in hours or days, not months! *Crafting custom processes that get developers from idea to value faster than ever. *Best practices for everything from source code control to dependency management and in-production tracing. *Common obstacles to rapid release - and pragmatic solutions. In too many organizations, build, testing, and deployment processes can take six months or more. That's simply far too long for today's businesses. But it doesn't have to be

that way. It's possible to deploy working code to production in hours or days after development work is complete – and Go Live presents comprehensive processes and techniques for doing so. Written by two of the world's most experienced software project leaders, this book demonstrates how to dramatically increase speed while reducing risk and improving code quality at the same time. The authors cover all facets of build, testing, and deployment, including: configuration management, source code control, release planning, auditing, compliance, integration, build automation, and more. They introduce a wide range of advanced techniques, including inproduction monitoring and tracing, dependency management, and the effective use of virtualization. For each area, they explain the issues, show how to mitigate the risks, and present best practices. Throughout, Go Live focuses on powerful opportunities for individual improvement, clearly and simply explaining skills and techniques so they can be used every day on real projects. With this book's help, any development organization can move from idea to release faster -- and deliver far more value, far more rapidly. Gain in-depth insight into DevOps relative to your field of expertise and implement effective DevOps culture and processes within your organizationKey Features* Packed with step-by-step explanations and practical examples to help you get started with DevOps*

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

implement a successful DevOps framework* Measure and define the success of DevOps transformation* Get to grips with techniques for continuous feedback and iterate process changes* Discover the tooling used in different stages of the DevOps life cycleWho this book is forThis book is for IT professionals such as support engineers and systems engineers and developers looking to learn DevOps and for those going through DevOps transformation. General knowledge of IT and business processes will be helpful. You'll also find this book useful if you are in a business or service role within technology such as service delivery management. Basic familiarity with DevOps and transformational methods such as value streams and process are needed to get the most out of this book.

Kubernetes is the operating system of the cloud-native world, providing a reliable and scalable platform for running containerized workloads. This book shows developers and operations staff how to apply industry-standard DevOps practices to Kubernetes in a cloud-native context. You'll learn all about the Kubernetes ecosystem and discover battle-tested solutions to everyday problems. In this friendly, pragmatic book, cloud experts John Arundel and Justin Domingus show you what Kubernetes can do--and what you can do with it. You'll build, step by step, an example cloud-native application and its supporting infrastructure, along with a

development environment and continuous deployment pipeline that you can use for your own applications. Understand containers and Kubernetes from first principles--no experience necessary Run your own clusters or choose a managed Kubernetes service from Amazon, Google, and others Design your own cloud-native services and infrastructure Use Kubernetes to manage resource usage and the container lifecycle Optimize clusters for cost, performance, resilience, capacity, and scalability Learn the best tools for developing, testing, and deploying your applications Apply the latest industry practices for observability and monitoring Secure your containers and clusters in production Adopt DevOps principles to help make your development teams lean, fast, and effective

Pragmatic AI is the first truly practical guide to solving real-world problems with contemporary machine learning, artificial intelligence, and cloud computing tools. Writing for business professionals, decision-makers, and students who aren't professional data scientists, Noah Gift demystifies all the tools and technologies you need to get results. He illuminates powerful off-the-shelf cloud-based solutions from Google, Amazon, and Microsoft, as well as accessible techniques using Python and R. Throughout, you'll find simple, clear, and effective working solutions that show how to apply machine learning, AI and cloud computing

together in virtually any organisation, creating solutions that deliver results, and offer virtually unlimited scalability. Coverage includes: Getting and configuring all the tools you'll need Quickly and efficiently deploying AI applications using spreadsheets, R, and Python Mastering the full application lifecycle: Download, Extract, Transform, Model, Serve Results Getting started with Cloud Machine Learning Services, Amazon's AWS AI Services, and Microsoft's Cognitive Services API Uncovering signals in Facebook, Twitter and Wikipedia Listening to channels via Slack bots running on AWS Lambda (serverless) Retrieving data via the Twitter API and extract follower relationships Solving project problems and find highly-productive developers for data science projects Forecasting current and future home sales prices with Zillow Using the increasingly popular Jupyter Notebook to create and share documents integrating live code, equations, visualisations, and text How to Create World-Class Agility, Reliability, and Security in Technology Organizations Build and Deploy Serverless Applications with Java Complete Guide To Docker For Beginners And Intermediates Design Modern Systems Using Effective Architecture Concepts, Design Patterns, and Techniques with C++20 Safe 5.0 Distilled: Achieving Business

Agility with the Scaled Agile Framework Pragmatic AI

SITE RELIABILITY ENGINEERING.

Exam Name : Amazon AWS DevOps Engineer - Professional Exam Code : DOP-C01 Edition : Latest Verison (100% valid and stable) Number of Questions : 260 Questions with Answer

Have you ever desired to have an open source containerization platform that doesn't just package applications into containers to be portable for systems running the Windows OS and Linux OS, but one that ensures they run in any environment or platform, and one that ensures that the container can have different applications installed on it to save time? If you've answered YES, keep reading... You Are about to Discover the Ins And Outs of Docker So You Can Start Using It with Confidence, Even If You've Never Used It Before! Docker, which is a hot topic in cloud computing that is difficult to avoid, is the technology that you need to get familiar with to cash in on many opportunities, including continuous development and deployment, better automation of configuration management and world-class IT service agility. Popularly used for developing, shipping and running applications, Docker is the phenomenon that has been enabling developers to isolate applications from their underlying infrastructure to achieve supersonic software delivery while enjoying the benefits of the characteristic lightweight feature of the containers, as well as their flexibility, spaciousness, tenability and versatility. But like most technologies, Docker can feel confusing and overly complex, especially for someone who's new to cloud computing, or a little overwhelming to a developer who's just making the acquaintance of it. As such, you may wonder: What is Docker (good for)? How does this platform really work? How would I benefit from it exactly? How is it any different from its

predecessors? How do I get started with it? If that's you, then you came to the right place. You are looking at a simple, comprehensive and practical beginners' and intermediates' book that has all the answers to these and many more questions; one that will leave you with an all-inclusive understanding of this platform to know exactly why it has been causing ripples in the cloud computing community. Here's a tiny bit of what you'll discover: A detailed overview of the Docker platform and architecture How to install Docker on Linux, Windows and OSX How to pull Docker images and run containers properly How to work with Docker containers like a pro How to work with Docker images efficiently What you need to know about containers network and data management, and how to work with them ...And much more! A recent search on LinkedIn revealed almost 30,000 jobs across the country for developers with knowledge of Docker, a number that keeps increasing. If you're also looking to boost your business with better containerization and the amazing features of Docker, or just increase your skills and become a master Docker to become a DevOps guru, it's about time you made the one positive step, which is to learn and refine your skills. And even if this is your first encounter with Docker, by reading this book, you will feel confident getting started with Docker! Scroll up and click Buy Now With 1-Click or Buy Now to get started!

Discover and make use of the powerful features of the Visual Studio 2019 IDE to develop better and faster mobile, web, and desktop applications

Solutions Architect's Handbook

A Guide to Creating Smart, Efficient, and Reusable Software, 2nd Edition

Upstream