

# The Kubernetes Book By Nigel Poulton Leanpub

## Ipad Kindle

The Kubernetes Book By Nigel Poulton Leanpub Ipad Kindle The Kubernetes Book by Nigel Poulton Leanpub iPad Kindle is an essential resource for anyone looking to deepen their understanding of container orchestration and modern cloud-native application deployment. Whether you're a developer, system administrator, or IT architect, Nigel Poulton's comprehensive guide offers valuable insights into Kubernetes, one of the most popular and powerful container orchestration platforms today. Available across multiple platforms including Leanpub, iPad, and Kindle, this book ensures accessibility and convenience for learners at every stage of their Kubernetes journey. --- Overview of The Kubernetes Book by Nigel Poulton Nigel Poulton's book on Kubernetes stands out for its clarity, practical approach, and up-to-date content. It is tailored to help both beginners and experienced professionals navigate the complexities of Kubernetes, providing foundational knowledge as well as advanced concepts. What Makes This Book Stand Out? Clear and concise explanations tailored for newcomers yet detailed enough for seasoned practitioners Practical examples and real-world scenarios that facilitate hands-on learning Coverage of the latest Kubernetes features and best practices Availability on popular platforms like Leanpub, iPad, and Kindle, making it easy to learn on the go Key Features of the Book Nigel Poulton's Kubernetes book offers several features designed to enhance the learning experience and ensure readers gain practical skills. Comprehensive Coverage Introduction to containerization and Docker fundamentals Deep dive into Kubernetes architecture, including nodes, pods, and services Exploration of Kubernetes objects such as Deployments, StatefulSets, and DaemonSets Configuration management with ConfigMaps and Secrets 2 Networking, load balancing, and ingress controllers Persistent storage management with PersistentVolumes and StorageClasses Security best practices, including RBAC and network policies Monitoring, logging, and troubleshooting Kubernetes clusters Practical Approach and Hands-On Examples The book emphasizes learning by doing, providing step-by-step tutorials that guide readers through deploying applications, managing clusters, and implementing best practices. Up-to-Date Content With the rapidly evolving Kubernetes ecosystem, Nigel Poulton ensures the book reflects the latest updates, features, and industry standards, making it a reliable resource for current and future developments. --- Accessibility Across Platforms: Leanpub, iPad, and Kindle One of the major advantages of Nigel Poulton's Kubernetes book is its availability across various platforms, catering to different learning preferences. Leanpub Leanpub offers a flexible and often more affordable way to access the book. It allows readers to download the latest version instantly, read in your browser, or use the Leanpub app. The platform also provides updates, so you always have the most recent content. iPad Optimized for iPad, the book can be read comfortably on Apple devices using compatible reading apps. This makes it

convenient for on-the-go learning, whether commuting, traveling, or during breaks. Kindle Available on Kindle, the book can be easily accessed on Amazon's popular e-reader devices or through the Kindle app on smartphones and tablets. This platform offers features like adjustable font sizes, highlighting, and note-taking to enhance the reading experience. --- 3 Who Should Read The Kubernetes Book by Nigel Poulton? Nigel Poulton's book is designed to serve a diverse audience interested in Kubernetes. Beginners Individuals new to containers or cloud-native technologies IT professionals seeking a foundational understanding of Kubernetes Developers wanting to deploy and manage containerized applications effectively Intermediate and Advanced Users DevOps engineers aiming to optimize CI/CD pipelines with Kubernetes System administrators managing production clusters Architects designing scalable, resilient applications Educational Institutions and Trainers Educators can incorporate this book into their curriculum or training programs to provide students with a practical and current resource on Kubernetes. --- Why Choose Nigel Poulton's Kubernetes Book? Choosing the right educational resource is crucial in mastering Kubernetes. Here are some reasons why Nigel Poulton's book is a top choice: Authoritative and Experienced Author Nigel Poulton is a renowned figure in the container and cloud-native community, bringing years of experience and a passion for teaching to his writing. Engaging and Easy-to-Understand Content The book breaks down complex topics into digestible segments, making sophisticated concepts accessible without oversimplification. Focus on Practical Skills Beyond theory, the book emphasizes hands-on exercises, real-world scenarios, and best practices, ensuring readers can apply what they learn immediately. 4 Regular Updates and Community Support Purchasing the book often grants access to updates and supplementary materials, fostering ongoing learning and engagement with the Kubernetes community. --- How to Maximize Your Learning with This Book To get the most out of Nigel Poulton's Kubernetes book, consider the following tips: Follow Along with Labs Set up a local or cloud-based Kubernetes cluster to practice the examples provided in the book. Hands-on experience is invaluable for mastering the concepts. Supplement with Online Resources Official Kubernetes documentation Community forums and discussion groups Video tutorials and webinars Join the Community Participate in Kubernetes meetups, webinars, or online communities to exchange knowledge, ask questions, and stay updated on the latest trends. Implement Projects Apply your knowledge by deploying real-world applications, experimenting with different configurations, and troubleshooting issues to deepen your understanding. --- Conclusion The Kubernetes Book by Nigel Poulton Leanpub iPad Kindle is a versatile, comprehensive, and practical guide designed to equip learners with the skills needed to succeed in the rapidly evolving world of container orchestration. Its availability across multiple platforms ensures accessibility, while its focus on real-world applications makes it a valuable resource for beginners and seasoned professionals alike. Whether you're just starting out with Kubernetes or looking to deepen your expertise, Nigel Poulton's book provides the knowledge, tools, and confidence to manage complex containerized environments effectively. Investing time with this resource can accelerate your career, improve your deployment strategies, and prepare you for the future of cloud-native 5

architecture. QuestionAnswer What is covered in 'The Kubernetes Book' by Nigel Poulton? 'The Kubernetes Book' by Nigel Poulton provides comprehensive coverage of Kubernetes fundamentals, including container orchestration, deploying applications, managing clusters, and understanding core concepts like pods, services, and scaling. Is 'The Kubernetes Book' by Nigel Poulton suitable for beginners? Yes, the book is suitable for beginners as it explains complex Kubernetes concepts in a clear and accessible manner, making it ideal for those new to container orchestration and Kubernetes. Can I read 'The Kubernetes Book' on an iPad or Kindle? Yes, 'The Kubernetes Book' is available in digital formats compatible with Kindle and can be accessed on iPads through compatible e-reader apps or PDFs, allowing flexible reading options. Is there a version of 'The Kubernetes Book' tailored for Leanpub? Yes, Nigel Poulton's 'The Kubernetes Book' is available on Leanpub, where you can purchase and download the latest version, often with options for updates and support for multiple formats. What are the benefits of reading 'The Kubernetes Book' on different devices like iPad or Kindle? Reading on an iPad offers interactive features and a user- friendly interface, while Kindle provides a portable, distraction-free experience with long battery life. Both allow you to learn Kubernetes anytime, anywhere. Does 'The Kubernetes Book' by Nigel Poulton include practical examples or labs? Yes, the book includes practical examples, diagrams, and step-by-step instructions to help readers understand how to deploy and manage applications on Kubernetes effectively. How up-to-date is 'The Kubernetes Book' by Nigel Poulton with the latest Kubernetes versions? Nigel Poulton's 'The Kubernetes Book' is regularly updated, especially in the Leanpub version, to reflect the latest features and best practices in Kubernetes, ensuring readers access current information. The Kubernetes Book by Nigel Poulton Leanpub iPad Kindle: An In-Depth Review and Analysis In the rapidly evolving landscape of cloud computing and container orchestration, understanding Kubernetes has become essential for IT professionals, developers, and DevOps engineers alike. Among the myriad of resources available, Nigel Poulton's The Kubernetes Book stands out as a comprehensive guide, especially accessible through platforms like Leanpub, and optimized for reading on devices such as iPads and Kindle e-readers. This review aims to explore the book's content, structure, accessibility, and overall value, providing a detailed analysis for those considering it as their primary educational resource. --- The Kubernetes Book By Nigel Poulton Leanpub Ipad Kindle 6 Introduction to Nigel Poulton's The Kubernetes Book Author Background and Credibility Nigel Poulton is a well-respected figure within the cloud and container ecosystem. With extensive experience in teaching and writing about Docker, Kubernetes, and cloud-native technologies, Poulton is known for his clear, engaging, and practical approach to complex topics. His previous works and training courses have garnered praise for their clarity and applicability, making his Kubernetes Book a trusted resource in the community. Purpose and Audience The primary aim of the book is to demystify Kubernetes, making it accessible to beginners while also providing enough depth for intermediate learners. It caters to: - Developers looking to deploy containerized applications - DevOps professionals aiming to orchestrate large-scale services - IT students seeking foundational knowledge - System administrators

transitioning to container-based workflows. The book emphasizes practical understanding, supplemented with real-world examples and diagrams, which enhances its educational value.

--- Content Overview and Structure Comprehensive Coverage of Kubernetes Fundamentals Nigel Poulton's *The Kubernetes Book* covers the core concepts necessary to understand and operate Kubernetes effectively. These include:

- Containerization basics and Docker fundamentals
- Kubernetes architecture and components (pods, nodes, clusters)
- Deployments, services, and ingress controllers
- Storage and persistent volumes
- ConfigMaps, Secrets, and environment variables
- Scaling, rolling updates, and self-healing mechanisms
- Security practices and RBAC (Role-Based Access Control)
- Monitoring, logging, and troubleshooting

The book is structured to build knowledge progressively, starting from the basics and advancing to more complex topics, ensuring a smooth learning curve.

Practical Approach and Hands-On Examples A standout feature of Poulton's work is its emphasis on practical application. Each chapter includes step-by-step instructions, commands, and exercises to reinforce learning. For example, deploying a sample application or setting up a local Kubernetes cluster using Minikube or Docker Desktop is often demonstrated, encouraging readers to follow along.

The Kubernetes Book By Nigel Poulton Leanpub Ipad Kindle 7 Use of Visuals and Diagrams Complex concepts are clarified through detailed diagrams illustrating Kubernetes architecture, network flows, and deployment strategies. This visual aid is particularly beneficial when reading on devices like iPads or Kindle tablets, where graphical clarity supports better comprehension.

--- Accessibility and Format: Leanpub, iPad, and Kindle Leanpub Platform Advantages The choice of Leanpub as a publishing platform offers several benefits:

- Iterative Updates: Readers can receive updates as the book evolves, ensuring access to the latest content aligned with Kubernetes' rapid development.
- Flexible Payment and Access: Leanpub's pay-what-you-want model allows users to start with a minimal investment, with options to pay more for additional content or support.
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Optimized Reading on iPad and Kindle Nigel Poulton's *The Kubernetes Book* is formatted to be easily readable on both iPads and Kindle devices:

- Responsive Formatting: The PDF and EPUB versions adapt well to different screen sizes, ensuring legibility and navigation ease.
- Highlighting and Note-Taking: Digital formats support highlighting key sections and adding annotations, facilitating active learning.
- Portability: The eBook can be stored locally, allowing offline access—crucial for fieldwork or locations with limited connectivity.

While Kindle devices primarily support MOBI or AZW formats, the book's availability in multiple formats ensures compatibility across major e-reading platforms.

--- Strengths and Unique Features Clarity and Engagement Nigel Poulton's writing style is accessible and engaging, avoiding overly technical jargon when unnecessary. He emphasizes conceptual understanding first, then dives into technical details, making complex topics approachable.

Practical, Real-World Focus The emphasis on hands-on exercises makes the book more than just theoretical reading. Readers are encouraged to set up their own environments, deploy applications, and experiment with features like scaling and rolling updates.

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Poulton Leanpub Ipad Kindle 8 Up-to-Date Content and Community Support Given Kubernetes' fast-paced evolution, the book's frequent updates ensure relevance. Additionally, Poulton maintains an active online presence, often linking readers to supplementary resources, forums, and tutorials. Cost-Effective Learning The Leanpub model offers affordability, especially considering the depth of content and interactivity. This makes it an attractive option for self-paced learners and organizations seeking scalable training resources. --- Limitations and Areas for Improvement Depth Versus Breadth Balance While comprehensive, the book aims to provide a broad overview rather than deep dives into advanced topics like custom controllers, operators, or service meshes. Users seeking mastery in these areas might need supplementary materials. Platform-Specific Formatting Challenges Although well-formatted, some users report minor difficulties with navigation on certain e-readers, especially with complex diagrams or code snippets. Proper formatting and updates mitigate this issue but may still be a consideration. Rapid Kubernetes Evolution Despite frequent updates, the fast pace of Kubernetes innovation means some content may become outdated quickly, necessitating continuous learning and supplemental resources. --- Comparison with Other Kubernetes Resources While Nigel Poulton's The Kubernetes Book is praised for its clarity and practical approach, it exists within a competitive landscape. Notable alternatives include: - Kubernetes Official Documentation: Comprehensive but often dense for beginners. - Books by Kelsey Hightower or Brendan Burns: Offer in-depth technical perspectives but may be more theoretical. - Online Courses (e.g., Coursera, Udemy): Provide video content and labs but may lack the concise focus of a dedicated book. Compared to these, Poulton's book strikes a balance between accessibility and depth, making it suitable for self-learners who appreciate a structured, example-driven approach. --- The Kubernetes Book By Nigel Poulton Leanpub Ipad Kindle 9 Conclusion: Is The Kubernetes Book a Worthwhile Investment? Overall, Nigel Poulton's The Kubernetes Book, available via Leanpub and optimized for reading across multiple devices like iPads and Kindle, is a valuable resource for those seeking a practical, well-structured introduction to Kubernetes. Its strengths lie in clear explanations, hands-on exercises, and adaptable formats that cater to different learning preferences. While it may not cover every advanced aspect in exhaustive detail, it provides a solid foundation necessary to understand, deploy, and manage Kubernetes environments confidently. Its affordability and continuous updates make it especially appealing for learners and professionals committed to staying current in the rapidly evolving cloud-native ecosystem. For anyone embarking on a Kubernetes learning journey, Poulton's The Kubernetes Book offers an engaging and effective starting point—an essential addition to any cloud-native library. --- Disclaimer: This review reflects the state of The Kubernetes Book as of October 2023. Readers are encouraged to explore the latest versions and updates to ensure access to the most current information. Kubernetes, Nigel Poulton, Docker, container orchestration, cloud computing, DevOps, microservices, Kubernetes book, Leanpub, iPad Kindle

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brought to you by nigel poulton best selling author of quick start kubernetes the kubernetes book docker deep dive data storage networking kubernetes and cloud native technologies are reshaping the world possessing the knowledge and skills to leverage kubernetes and cloud native technologies is a huge career boost for you it can get you the best roles on the best projects at the best organisations it can even earn you more money with this in mind the cloud native computing foundation designed the kubernetes and cloud native associate kcna certification and exam as a way for you to prove your competence with these technologies this book covers every exam objective in one place in a well organised and concise format it's useful as both a revision guide and a place to start learning new technologies and concepts for example if you already know the basics of kubernetes the book will reinforce what you know and test your knowledge with its extensive quizzes and explanations however if you're new to any of the exam topics the book will get you up to speed quickly contains over 200 chapter review questions as well as a full 60 question sample exam when you've finished the book you'll be ready to smash the kcna exam

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computing and demand for kubernetes expertise is at an all time high whether you re running production workloads in the cloud or experimenting locally this book equips you with the skills needed to succeed what you ll learn set up kubernetes clusters for free understand kubernetes architecture scheduling and networking master pods deployments services statefulsets ingress and more deploy wasm applications to kubernetes gain real world troubleshooting security skills demystify the kubernetes api service discovery and load balancing learn kubernetes jargon free with practical hands on examples who is this book for developers devops engineers want to level up your containerization and cloud native skills this book has you covered it professionals need kubernetes knowledge for managing cloud infrastructure this book delivers exactly what you need why this book most comprehensive kubernetes guide trusted by thousands of professionals packed with examples not just theory but practical hands on learning covers the latest kubernetes features so you stay ahead of the curve master kubernetes faster and more efficiently than ever before

2025 edition fully updated for the latest kubernetes versions and features are you ready to take your tech career to the next level curious about kubernetes but don t know where to start look no further quick start kubernetes by best selling author nigel poulton is the ultimate beginner s guide to kubernetes the revolutionary technology driving the future of modern applications and infrastructure whether you re a newcomer or looking to expand your expertise this concise hands on book will take you from zero to kubernetes ready in just 100 pages no prior experience required what you ll learn the fundamentals what kubernetes is and why it matters the critical role of kubernetes in modern infrastructure and applications real world skills you ll gain set up kubernetes on your laptop and in the cloud containerize applications deploy manage and scale applications on kubernetes configure kubernetes to self heal applications perform rolling updates like a pro nigel s straightforward explanations cut through the jargon helping you grasp even the most complex concepts with ease this is more than just a book it s a practical guide designed to get your hands dirty with real world tasks why choose this book fast and focused gain actionable kubernetes knowledge in 100 pages superbly organised everything in one place in order packed with easy to follow examples hands on learning step by step exercises ensure you retain what you learn career boosting insights master the skills hiring managers are looking for when you re done you won t just understand kubernetes you ll have the confidence to apply it in the real world and unlock exciting career opportunities

start from scratch and develop the essential skills needed to create deploy and manage cloud native applications using docker with the latest edition of docker deep dive key features get a solid understanding of docker and containers overcome common problems while containerizing an application master docker commands needed for creating deploying and running applications book description a new version of this book is now available most applications even the funky cloud native microservices ones need high performance production grade infrastructure to run on having impeccable knowledge of docker will help you thrive in the modern cloud first world with this book

you will gain the skills you need in order to work with docker and its containers the book begins with an introduction to containers and explains their functionality and application in the real world you will then get an overview of vmware kubernetes and docker and learn to install docker on windows mac and linux once you have understood the ops and dev perspective of docker you will be able to see the big picture and understand what docker exactly does the book then turns its attention to the more technical aspects guiding you through practical exercises covering docker engine docker images and docker containers you will learn techniques for containerizing an app deploying apps with docker compose and managing cloud native applications with swarm you will also build docker networks and docker overlay networks and handle applications that write persistent data finally you will deploy apps with docker stacks and secure your docker environment by the end of this book you will be well versed in docker and containers and have developed the skills to create deploy and run applications on the cloud what you will learn become familiar with the applications of docker and containers discover how to pull images into docker host s local registry find out how to containerize an app with new example apps cover multi platform builds to test docker overlay network in the swarm mode use docker compose to deploy and manage multi container applications share sensitive data with containers and swarm services securely who this book is for whether you are a beginner or an experienced developer looking to utilize docker to develop and operate cloud native microservices apps this book is for you anyone who wants to learn docker orchestration networking imaging and security will also find it useful no prior knowledge of docker is necessary

written by a human for humans ais are everywhere and they re changing everything ai explained facts fiction and future from best selling author nigel poulton is your fast track easy to read guide to the exciting new world of artificial intelligence ai you ll learn what ai is how we create and train ais how ais are positively reshaping everyday life ethical concerns around ai development the effects of misusing ais threats from ais acting against us nigel is a best selling technology author known for his ability to separate hype from reality demystify complex topics and present them in simple terms he brings this same approach to this book ensuring you ll learn something new and be better equipped for an ai driven world unlike many other books the book s balanced approach doesn t try to tell you what to think instead it presents fascinating facts and examples so that you can form your own opinions and make your own decisions once you pick it up you won t want to put it down

kubernetes and cloud native technologies are reshaping the world building apps as small specialised single purpose services that can self heal autoscale and be regularly updated without downtime brings huge benefits however possessing the knowledge and skills to leverage these technologies is a huge career boost for you as an individual it can get you the best roles on the best projects at the best organisations it can even earn you more money with this in mind the cloud native computing foundation designed the kubernetes and cloud native associate kcna certification and exam as a way for you to prove your competence with these technologies this book covers all of the exam



objectives in one place in a well organised and concise format it s useful as both a revision guide and a place to start learning new technologies and concepts for example if you already know the basics of kubernetes the book will reinforce everything you already know as well as test your knowledge with its extensive quizzes and explanations however if you re new to any of the topics on the exam the book will get you up to speed quickly contains over 250 sample questions including a full 60 question sample exam

feb 2018 this is the ultimate book for learning docker brought to you by docker captain and leading educator in the container ecosystem nigel poulton

do you need to figure out what kubernetes is all about do you like learning through hands on if yes this is the book for you quick start kubernetes brought to you by best selling author nigel poulton assumes zero prior experience and gets you to the point you can hold your own in a conversation with an expert and deploy simple applications and it does it in less than 100 pages you ll learn what kubernetes is why we have kubernetes the role kubernetes will play in the future of infrastructure and applications you ll also perform the following hands on tasks build a kubernetes cluster containerize an app deploy the app to kubernetes break the app and watch it self heal scale the app perform a rolling update along the way nigel explains everything as clearly as possible and busts every piece of jargon when you re done you ll be in love with kubernetes and ready to take your journey ot the next level

understand the kubernetes ecosystem and learn techniques to run fault tolerant scalable applicationskey features gain insight into the inner workings of kubernetes learn how to deploy and manage applications on kubernetes explore ways to build and secure kubernetes clustersbook descriptionkubernetes is the leading orchestrator of cloud native apps with knowledge of how to work with kubernetes you can easily deploy and manage applications on the cloud or in your on premises data center the book begins by introducing you to kubernetes and showing you how to install it you ll learn how to use kubernetes services and bring stable and reliable networking to apps that are deployed on kubernetes you ll delve deep into the powerful storage subsystem of kubernetes and learn how to leverage the variety of external storage backends in your applications as the book progresses it shows you how to use features such as daemonsets helm and rbac to enhance your kubernetes applications you ll explore the six categories of identifying vulnerabilities and look at a few ways to prevent and mitigate them you ll also look at ways to secure the software delivery pipeline by discussing some image related best practices the book ends by sharing with you some resources that ll help take your kubernetes knowledge to the next level by the end of the book you ll have the confidence and skills to leverage all the features of kubernetes to develop scalable applications what you will learn explore cluster level and node level isolation and runtime isolation options use kubernetes deployments for self healing scaling and updating apps manage kubernetes clusters with kubectl write a container storage interface csi plugin to work across multiple orchestrators use kubernetes features such

as jons and cronjobs in your apps identify vulnerabilities and learn measures to prevent and mitigate themwho this book is forif you want to be more comfortable using kubernetes to orchestrate your containerized applications this is the ideal book for you to easily grasp the concepts explained in this book you must be familiar with docker and containers

brought to you by best selling author and video trainer nigel poulton every page and every example has been checked and updated against the latest versions of kubernetes 1.26 and the latest trends in the cloud native ecosystem

do you need learn docker and containers and do you like to learn by doing if yes this is the book for you getting started with docker brought to you by best selling author and docker captain nigel poulton assumes zero prior experience and gets you up to speed fast you ll learn what docker is why it s so important and where it s going in the future you ll also get hands on experience using docker to deploy and manage multi container microservices apps you ll perform all of the following hands on tasks run your first container containerize a sample app work with docker hub deploy and manage a multi container app with docker compose deploy a webassembly app with docker along the way nigel will explain everything as clearly as possible and demystify all the jargon when you re done you ll be ready to start working with docker and containers

start from scratch and develop the essential skills needed to create deploy and manage cloud native applications using dockerkey features get a solid understanding of docker and containers overcome common problems while containerizing an application master docker commands needed for creating deploying and running applicationsbook descriptionmost applications even the funky cloud native microservices ones need high performance production grade infrastructure to run on having impeccable knowledge of docker will help you to thrive in the modern cloud first world with this book you ll gain the skills you need to work with docker and its containers the book begins with an introduction to containers and explains its functionality and application in the real world you ll then get an overview of vmware kubernetes and docker and learn to install docker on windows mac and linux once you ve understood the ops and dev perspective of docker you ll be able to see the big picture and understand what docker exactly does the book then turns its attention to the more technical aspects guiding your through practical exercises covering docker engine docker images and docker containers you ll learn techniques for containerizing an app deploying apps with docker compose and managing cloud native applications with swarm you ll also build docker networks and docker overlay networks and handle applications that write persistent data finally you ll deploy apps with docker stacks and secure your docker environment by the end of this book you ll be well versed in docker and containers and have developed the skills to create deploy and run applications on the cloud what you will learn become familiar with the applications of docker and containers discover how to pull images into docker host s local registry find out how to containerize an app build and test a docker overlay network in the swarm mode use docker compose to deploy and manage multi container

applications securely share sensitive data with containers and swarm services who this book is for whether you are a beginner or an experienced developer looking to utilize docker to develop and operate cloud native microservices apps this book is for you anyone who wants to learn docker orchestration networking imaging and security will also find it useful no prior knowledge of docker is necessary

boost your knowledge with the well organized revision guide for kubernetes and cloud native associate kcna certification and exam expand your horizon of possibilities with extensive explanations and quizzes key features learn new technologies and revise concepts to master the kcna certification and exam reinforce and test knowledge through practice questions and an exam boost your career by leveraging kubernetes and cloud native technologies book description there is a huge benefit in building small specialized single purpose apps that can self heal auto scale and update regularly without needing downtime kubernetes and cloud native technologies come in handy in building such apps possessing the knowledge and skills to leverage kubernetes can positively enhance possibilities in favor of architects who specialize in cloud native microservices applications the kcna book is designed to help those working in technology with a passion to become certified in the kubernetes and cloud native associate exam you will learn about containerization microservices and cloud native architecture you will learn about kubernetes fundamentals and container orchestration the book also sheds light on cloud native application delivery and observability it focuses on the kcna exam domains and competencies which can be applied to the sample test included in the book put your knowledge to the test and enhance your skills with the all encompassing topic coverage upon completion you will begin your journey to get the best roles projects and organizations with this exam oriented book what you will learn learn the essentials of containerization and microservices know about cloud native architecture and autoscaling gain clarity about container orchestration master the fundamentals of kubernetes explore cloud native application delivery and observability become competent in the kcna exam domains who this book is for the kcna book is crafted for anyone working in technology it is specifically helpful for those wishing to gain the kcna certification the kcna exam is designed to test proficiency in kubernetes and cloud native skills and concepts it is well suited for architects developers data engineers and anyone from a traditional it background the kcna exam and certification is particularly useful in the field of management technical marketing operations devops cloudops sres and devsecops

starfleet edition stardate 76582 2 2023 brought to you by best selling author and video trainer nigel poulton every page and every example has been checked and updated against the latest versions of kubernetes 1 26 and the latest trends in the cloud native ecosystem containers have revolutionised the way we package and run applications however like most things containers come with a bunch of challenges this is where kubernetes comes into play kubernetes helps you deploy and manage containerised applications at scale it also abstracts the underlying infrastructure so that you don't need to care if you're deploying applications to amazon services microsoft azure or your

own on premises datacenter with kubernetes you can develop applications on your laptop deploy to your favourite cloud platform migrate to a different cloud platform and even migrate to your on premises datacenters the kubernetes book starts from the beginning explains all concepts in a clear and friendly way and covers everything you need to become proficient at kubernetes you ll learn kubernetes architecture how to build kubernetes how to deploy self heal scale and perform rolling updates on applications what the kubernetes api is and how it works how to secure kubernetes the meaning of terms such as cloud native microservices desired state containerised and more finally kubernetes and cloud technologies are developing fast that s why this book will be updated every year meaning it s always up to date with the latest versions of kubernetes and the latest trends in the cloud native ecosystem

2023 large print edition are you new to kubernetes and wondering how to get started do you like learning by doing if yes this is the book for you this edition is printed in a large 16pt sans serif font with 1.5 line spacing and larger diagrams kubernetes is the de facto container orchestration platform for deploying and managing applications in the cloud quick start kubernetes will take you from zero knowledge to deploying simple applications in less than 100 pages you ll get hands on experience building deploying and scaling containerised applications this book explains what kubernetes is why we have it and the role it will play in the future of infrastructure and applications along the way you ll build a kubernetes cluster containerize an app and deploy it to your cluster finally you ll get hands on practice breaking self healing scaling and performing rolling updates the kubernetes learning curve is steep but best selling author nigel poulton will help you conquer it in record time by the time you re done reading his book you ll be ready to take your journey to the next level

learn efficient ways to harness and manage your data storage networks whether you re preparing for the comptia storage exam or simply seeking a deeper understanding of data storage networks this sybex guide will help you get there this book covers data storage from the basics to advanced topics and provides practical examples to show you ways to deliver world class solutions in addition it covers all the objectives of the comptia storage exam sg0 001 including storage components connectivity storage management data protection and storage performance focuses on designing implementing and administering storage for today s evolving organizations getting under the hood of the technologies that enable performance resiliency availability recoverability and simplicity covers virtualization big data cloud storage security and scalability as well as how storage fits in to the wider technology environments prevalent in today s cloud era provides advice and real world examples that storage administrators in the trenches can actually use an excellent study aid for the comptia storage exam sg0 001 covering all the exam objectives data storage networking real world skills for the comptia storage certification and beyond provides a solid foundation for data storage administrators and a reference that can be consulted again and again

containers have revolutionised the way we package and run applications however like

most things containers come with a bunch of challenges this is where kubernetes comes into play kubernetes helps you deploy and manage containerised applications at scale it also abstracts the underlying infrastructure so that you don t need to care if you re deploying applications to amazon services microsoft azure or your own on premises datacenter with kubernetes you can develop applications on your laptop deploy to your favourite cloud platform migrate to a different cloud platform and even migrate to your on premises datacenters

containers have revolutionised the way we package and run applications however like most things containers come with a bunch of challenges this is where kubernetes comes into play kubernetes helps you deploy and manage containerised applications at scale it also abstracts the underlying infrastructure so that you don t need to care if you re deploying applications to amazon services microsoft azure or your own on premises datacenter with kubernetes you can develop applications on your laptop deploy to your favourite cloud platform migrate to a different cloud platform and even migrate to your on premises datacenters finally kubernetes and cloud technologies are developing fast that s why this book will be updated every year meaning it s always up to date with the latest versions of kubernetes and the latest trends in the cloud native ecosystem

quick start kubernetes brought to you by best selling author nigel poulton assumes zero prior experience and gets you to the point you can deploy and manage a simple app and it does it in less than 100 pages

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