

Practical Nginx The Zero To Hero Udemmy Course Review

Nginx HTTP Server
 Application Delivery and Load Balancing Microsoft Azure
 Containers for Developers Handbook
 Cloud Native DevOps with Kubernetes
 Kubernetes Cookbook
 NGINX Cookbook
 The Software Developer's Guide to Linux
 Practical Load Balancing
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 Docker in Practice, Second Edition
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 Mastering Nginx
 Mastering NGINX
 Practical Binary Analysis
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 The Kubernetes Operator Framework Book
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 The Rust Programming Language (Covers Rust 2018)
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 Nginx HTTP Server
 Implementing Enterprise Cyber Security with Open-Source Software and Standard Architecture: Volume II
 Hallo Nginx: Deploying and Optimizing Modern Web Applications
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 Docker: Zero To Hero
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 Certified Kubernetes Application Developer (CKAD) Study Guide
 Google Cloud for DevOps Engineers
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 Mastering Go
 Learning HTTP/2
 Mastering Nginx
 NGINX Cookbook
 Hands-On Kubernetes, Service Mesh and Zero-Trust

Practical Nginx The Zero To Hero Udemmy Course Review

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COLLIER RILEY

Nginx HTTP Server "O'Reilly Media, Inc."

This book is a practical step-by-step tutorial with well-explained code snippets, best-practice tips, and reference tables. If you are an experienced systems administrator or systems engineer, familiar with installing and configuring servers to meet specific needs and want to master NGINX, then this book is for you. You do not need to have experience using NGINX already.

Application Delivery and Load Balancing Microsoft Azure "O'Reilly Media, Inc."

Master key features of Go, including advanced concepts like concurrency and working with JSON, to create and optimize real-world services, network servers, and clients Key Features This third edition of the bestselling guide to advanced Go programming has been overhauled and expanded to cover RESTful servers, the WebSocket protocol, and Go generics Use real-world exercises to build high-performance network servers and powerful command line utilities Packed with practical examples and utilities to apply to your own development work and administrative tasks Get clear explanations about Go nuances and features to simplify Go development Book Description Mastering Go is the essential guide to putting Go to work on real production systems. This freshly updated third edition includes topics like creating RESTful servers and clients, understanding Go generics, and developing gRPC servers and clients. Mastering Go was written for programmers who want to explore the capabilities of Go in practice. As you work your way through the chapters, you'll gain confidence and a deep understanding of advanced Go concepts, including concurrency and the operation of the Go Garbage Collector, using Go with Docker, writing powerful command-line utilities, working with JavaScript Object Notation (JSON) data, and interacting with databases. You'll also improve your understanding of Go internals to optimize Go code and use data types and data structures in new and unexpected ways. This essential Go programming book will also take you through the nuances and idioms of Go with exercises and resources to fully embed your newly acquired knowledge. With the help of Mastering Go, you'll become an expert Go programmer by building Go systems and implementing advanced Go techniques in your projects. What you will learn Use Go in production Write reliable, high-performance concurrent code Manipulate data structures including slices, arrays, maps, and pointers Develop reusable packages with reflection and interfaces Become familiar with generics for effective Go programming Create concurrent RESTful servers, and build gRPC clients and servers Define Go structures for working with JSON data Who this book is for You'll need to know the basics of Go before you get started with this book, but beyond that, anyone can sink their teeth into it. It's written primarily for Go programmers who have a bit of experience with the language and want to become expert practitioners.

Containers for Developers Handbook Apress

The emergence of the cloud and modern, fast corporate networks demands that you perform judicious balancing of computational loads. Practical Load Balancing presents an entire analytical framework to increase performance not just of one machine, but of your entire infrastructure. Practical Load Balancing starts by introducing key concepts and the tools you'll need to tackle your load-balancing issues. You'll travel through the IP layers and learn how they can create increased network traffic for you. You'll see how to account for persistence and state, and how you can judge the performance of scheduling algorithms. You'll then learn how to avoid performance degradation and any risk of the sudden disappearance of a service on a server. If you're concerned with running your load balancer for an entire network, you'll find out how to set up your network topography, and condense each topographical variety into recipes that will serve you in different situations. You'll also learn about individual servers, and load balancers that can perform cookie insertion or improve your SSL throughput. You'll also explore load balancing in the modern context of the cloud. While

load balancers need to be configured for high availability once the conditions on the network have been created, modern load balancing has found its way into the cloud, where good balancing is vital for the very functioning of the cloud, and where IPv6 is becoming ever more important. You can read Practical Load Balancing from end to end or out of sequence, and indeed, if there are individual topics that interest you, you can pick up this book and work through it once you have read the first three chapters.

Cloud Native DevOps with Kubernetes No Starch Press

NGINX is one of the most widely used web servers available today, in part because of its capabilities as a load balancer and reverse proxy server for HTTP and other network protocols. This cookbook provides easy-to-follow examples to real-world problems in application delivery. The practical recipes will help you set up and use either the open source or commercial offering to solve problems in various use cases. For professionals who understand modern web architectures, such as n-tier or microservice designs, and common web protocols including TCP and HTTP, these recipes provide proven solutions for security, software load balancing, and monitoring and maintaining NGINX's application delivery platform. You'll also explore advanced features of both NGINX and NGINX Plus, the free and licensed versions of this server. You'll find recipes for: High-performance load balancing with HTTP, TCP, and UDP Securing access through encrypted traffic, secure links, HTTP authentication subrequests, and more Deploying NGINX to Google Cloud, AWS, and Azure cloud computing services Setting up and configuring NGINX Controller Installing and configuring the NGINX Plus App Protect module Enabling WAF through Controller App Security.

Kubernetes Cookbook CRC Press

NGINX is one of the most widely used web servers available today, in part because of its capabilities as a load balancer and reverse proxy server for HTTP and other network protocols. The 2019 edition of this popular cookbook provides more than 80 practical recipes to help you set up and use this open source server to solve problems in various use cases. For professionals who understand modern web architectures, such as n-tier or microservice designs, and common web protocols, including TCP and HTTP, these recipes provide proven solutions for security, software load balancing, and monitoring and maintaining NGINX's application delivery platform. You'll also explore advanced features of both NGINX and NGINX Plus, the free and licensed versions of this server. You'll find recipes for: High-performance load balancing with HTTP, TCP, and UDP Traffic management and A/B testing Managing programmability and automation with dynamic templating and the NGINX Plus API Securing access through encrypted traffic, secure links, HTTP authentication subrequests, and more Deploying NGINX to AWS, Azure, and Google cloud-computing services Using Docker to deploy containers and microservices Debugging and troubleshooting, performance tuning, and practical ops tips.

NGINX Cookbook "O'Reilly Media, Inc."

A practical book on real-world NGINX deployments to get you up and running quickly. About This Book Be the first to immerse yourself in the NGINX 1.9x web server and explore the plethora of advanced features. Master the skills of load balancing TCP-based applications and implementing HTTP/2. A recipe-based approach book that provides you with up-to-date information on NGINX, allowing you to implement specific use cases immediately. Who This Book Is For This book is aimed at smaller-to-medium developers, who are just getting started with NGINX. It assumes they already understand the basics of how a web server works and how basic networking works. What You Will Learn Practical, real-world examples and recipes on how to use NGINX Common CMS deployments such as WordPress, Joomla and more NGINX configurations for frameworks such as Ruby on Rails, Django and more Detailed SSL recipes, including HTTP/2 Real world rewrite examples Basic web and TCP load balancing configuration Bandwidth management and connection limiting Detailed NGINX deployment scenarios with Docker Performance tuning and monitoring of your NGINX deployments

OpenResty deployment guides Advanced deployments with NGINX Plus features In Detail NGINX Cookbook covers the basics of configuring NGINX as a web server for use with common web frameworks such as WordPress and Ruby on Rails, through to utilization as a reverse proxy. Designed as a go-to reference guide, this book will give you practical answers based on real-world deployments to get you up and running quickly. Recipes have also been provided for multiple SSL configurations, different logging scenarios, practical rewrites, and multiple load balancing scenarios. Advanced topics include covering bandwidth management, Docker container usage, performance tuning, OpenResty, and the NGINX Plus commercial features. By the time you've read this book, you will be able to adapt and use a wide variety of NGINX implementations to solve any problems you have.

The Software Developer's Guide to Linux No Starch Press

An in-depth guide to configuring NGINX for your everyday server needs About This Book Get tips, tricks, and master insight to help you configure NGINX for any server situation Integrate NGINX into your applications architecture with is, using hands-on guidance and practical code samples that are free to use Troubleshoot configuration problems before and as they arise, for a seamless NGINX server experience Who This Book Is For This book is for system administrators and engineers who want to personalize NGINX, and design a robust configuration module to solve their hosting problems. Some knowledge of NGINX is a plus, but is not a prerequisite. What You Will Learn Compile the right third-party module to meet your needs Write an authentication server to use with the mail proxy module Create your own SSL certificates to encrypt connections Use try_files to solve your file-existence check problems Cache and compress responses to get speedier user interaction Integrate popular PHP frameworks with the FastCGI module Construct useful logging configurations In Detail NGINX is a high-performance HTTP server and mail proxy designed to use very few system resources. But despite its power it is often a challenge to properly configure NGINX to meet your expectations. Mastering Nginx is the solution - an insider's guide that will clarify the murky waters of NGINX's configuration. Tune NGINX for various situations, improve your NGINX experience with some of the more obscure configuration directives, and discover how to design and personalize a configuration to match your needs. To begin with, quickly brush up on installing and setting up the NGINX server on the OS and its integration with third-party modules. From here, move on to explain NGINX's mail proxy module and its authentication, and reverse proxy to solve scaling issues. Then see how to integrate NGINX with your applications to perform tasks. The latter part of the book focuses on working through techniques to solve common web issues and the know-hows using NGINX modules. Finally, we will also explore different configurations that will help you troubleshoot NGINX server and assist with performance tuning. Style and approach This is a mastering guide where you will follow an instructional, conversational approach working through problems and their solutions.

Practical Load Balancing Packt Publishing Ltd

Developers with the ability to operate, troubleshoot, and monitor applications in Kubernetes are in high demand today. To meet this need, the Cloud Native Computing Foundation created a certification exam to establish a developer's credibility and value in the job market to work in a Kubernetes environment. The Certified Kubernetes Application Developer (CKAD) exam is different from the typical multiple-choice format of other certifications. Instead, the CKAD is a performance-based exam that requires deep knowledge of the tasks under immense time pressure. This study guide walks you through all the topics you need to fully prepare for the exam. Author Benjamin Muschko also shares his personal experience with preparing for all aspects of the exam. Learn when and how to apply Kubernetes concepts to manage an application Understand the objectives, abilities, tips, and tricks needed to pass the CKAD exam Explore the ins and outs of the kubectl command-line tool Demonstrate competency for performing the responsibilities of a Kubernetes application developer Solve real-world Kubernetes problems in a hands-on command-line environment Navigate and solve questions during the CKAD exam

Practical C++ Backend Programming O'Reilly Media

The best way to learn design in any field is to study examples, and some of the best examples of software design come from the tools programmers use in their own work. Software Design by Example: A Tool-Based Introduction with Python therefore builds small versions of the things programmers use in order to demystify them and give some insights into how experienced programmers think. From a file backup system and a testing framework to a regular expression matcher, a browser layout engine, and a very small compiler, we explore common design patterns, show how making code easier to test also makes it easier to reuse, and help readers understand how debuggers, profilers, package managers, and version control systems work so that they can use them more effectively. This material can be used for self-paced study, in an undergraduate course on software design, or as the core of an intensive weeklong workshop for working programmers. Each chapter has a set of exercises ranging in size and difficulty from half a dozen lines to a full day's work. Readers should be familiar with the basics of modern Python, but the more advanced features of the language are explained and illustrated as they are introduced. All the written material in this project can be freely reused under the terms of the Creative Commons - Attribution license, while all of the software is made available under the terms of the Hippocratic License. All proceeds from sale of this book will go to support the Red Door Family Shelter in Toronto. Features: Teaches software design by showing programmers how to build the tools they use every day Each chapter includes exercises to help readers check and deepen their understanding All the example code can be downloaded, re-used, and modified under an open license

The Definitive Guide to Catalyst Packt Publishing Ltd

Chapter 8. Debugging h2; Web Browser Developer Tools; Chrome Developer Tools; Firefox Developer Tools; Debugging h2 on iOS Using Charles Proxy; Debugging h2 on Android; WebPagetest; OpenSSL; OpenSSL Commands; nghttp2; Using nghttp; curl; Using curl; h2i; Wireshark; Summary; Chapter 9. What Is Next?; TCP or UDP?; QUIC; TLS 1.3; HTTP/3?; Summary; Appendix A. HTTP/2 Frames; The Frame Header; DATA; DATA Frame Fields; DATA Frame Flags; HEADERS; HEADERS Frame Fields; HEADERS Frame Flags; PRIORITY; PRIORITY Frame Fields; RST_STREAM; SETTINGS; SETTINGS Parameters; PUSH_PROMISE.

Docker in Practice, Second Edition BPB Publications

Investigate and solve problems with Nginx-powered websites using a deep understanding of the underlying principles About This Book Solve problems with your Nginx-powered websites before your audience notices anything Peek into the Nginx architecture and gain knowledge that will help you be valuable to you in the long run Gain knowledge of different types of problems in a step-by-step way Who This Book Is For The book is for technical specialists who already use Nginx to serve web pages for their users. Whether you are an experienced system administrator or a new professional, this book will help you do your job in the most efficient way. What You Will Learn Detect and investigate problems with your web servers Create correct and professional configuration files Get an in-depth understanding of the web server software Interpret Nginx log files easily and with actionable insights Make your websites respond as fast as possible Prevent problems by setting up proper monitoring and alerts In Detail Nginx is clearly winning the race to be the dominant software to power modern websites. It is fast and open source, maintained with passion by a brilliant team. This book will help you maintain your Nginx instances in a healthy and predictable state. It will lead you through all the

types of problems you might encounter as a web administrator, with a special focus on performance and migration from older software. You will learn how to write good configuration files and will get good insights into Nginx logs. It will provide you solutions to problems such as missing or broken functionality and also show you how to tackle performance issues with the Nginx server. A special chapter is devoted to the art of prevention, that is, monitoring and alerting services you may use to detect problems before they manifest themselves on a big scale. The book ends with a reference to error and warning messages Nginx could emit to help you during incident investigations. Style and approach This comprehensive tutorial on Nginx troubleshooting takes a practical approach to guiding you through common issues in Nginx server.

High Performance Browser Networking Packt Pub Limited

A comprehensive guide to Kubernetes, Service Mesh, and Zero-Trust principles KEY FEATURES ● Delve into security practices that guarantee resilience and secure deployments. ● Discover strategies for managing Kubernetes clusters, enhancing performance, and achieving high availability and scalability. ● Acquire a conceptual understanding of the challenges faced in production environments and explore industry-standard solutions for efficient resolution. DESCRIPTION Building and managing secure applications is a crucial aspect of modern software development, especially in distributed environments. Kubernetes and Istio, when combined, provide a powerful platform for achieving application security and managing it effectively. If you want to build and manage secure applications with ease, then this book is an ideal resource for you. The book extensively covers the building blocks of the Kubernetes orchestration engine, providing in-depth insights into key Kubernetes objects that can be effectively used for deploying containerized applications. It then focuses on all major Kubernetes constructs, offering guidance on their appropriate utilization in different scenarios, while emphasizing the significance of a Zero Trust architecture. Additionally, the book addresses important aspects such as service discovery, optimized logging, and monitoring, which play a critical role in managing distributed applications. It also incorporates essential concepts from Site Reliability Engineering and enabling engineering teams, to proactively meeting Service Level Agreements and attaining operational readiness. In the final section, the book takes a deep dive into Service Mesh, with a special focus on harnessing the strength of Istio as a powerful tool. By the end of the book, you will have the knowledge and skills to effectively build, deploy, and manage secure applications using Kubernetes and Istio. WHAT YOU WILL LEARN ● Learn how to successfully deploy applications on Kubernetes. ● Gain insights into the principles of Zero Trust architecture and its implementation within the Kubernetes orchestration platform. ● Get familiar with the concepts of service discovery and efficient scaling in Kubernetes, empowering you to optimize your application deployments. ● Learn about monitoring and logging within applications, and explore the essential aspects of observability to ensure the reliability of your systems. ● Acquire expertise in service mesh, particularly Istio, to efficiently handle traffic, enhance application reliability, and fortify security measures. WHO THIS BOOK IS FOR This book caters to a wide range of readers, including developers utilizing Kubernetes, DevOps teams, senior software engineers, cloud-native teams, and cloud developers with a foundational knowledge of containers and software development. TABLE OF CONTENTS 1. Docker and Kubernetes 101 2. PODs 3. HTTP Load Balancing with Ingress 4. Kubernetes Workload Resources 5. ConfigMap, Secrets, and Labels 6. Configuring Storage with Kubernetes 7. Introduction to Service Discovery 8. Zero Trust Using Kubernetes 9. Monitoring, Logging and Observability 10. Effective Scaling 11. Introduction to Service Mesh and Istio 12. Traffic Management Using Istio 13. Observability Using Istio 14. Securing Your Services Using Istio

Nginx Http Server John Wiley & Sons

This book highlights practical sysadmin skills, common architectures that you'll encounter, and best practices that apply to automating and running systems at any scale, from one laptop or server to 1,000 or more. It is intended to help orient you within the discipline, and hopefully encourages you to learn more about system administration.

Mastering Nginx Apress

The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of The Rust Programming Language, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as: Ownership and borrowing, lifetimes, and traits Using Rust's memory safety guarantees to build fast, safe programs Testing, error handling, and effective refactoring Generics, smart pointers, multithreading, trait objects, and advanced pattern matching Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies How best to use Rust's advanced compiler with compiler-led programming techniques You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

Mastering NGINX Packt Publishing Ltd

With more and more companies moving on-premises applications to the cloud, software and cloud solution architects alike are busy investigating ways to improve load balancing, performance, security, and high availability for workloads. This practical book describes Microsoft Azure's load-balancing options and explains how NGINX can contribute to a comprehensive solution. Cloud architects Derek DeJonghe and Arlan Nugara take you through the steps necessary to design a practical solution for your network. Software developers and technical managers will learn how these technologies have a direct impact on application development and architecture. While the examples are specific to Azure, these load-balancing concepts and implementations also apply to cloud providers such as AWS, Google Cloud, DigitalOcean, and IBM Cloud. Understand application delivery and load balancing--and why they're important Explore Azure's managed load-balancing options Learn how to run NGINX on Azure Examine similarities and complementing features between Azure-managed solutions and NGINX Define, manage, and monitor the global routing for your web traffic using Azure Front Door Explore security choices using NGINX and Azure Firewall solutions.

Practical Binary Analysis Apress

"Hallo Nginx: Deploying and Optimizing Modern Web Applications" is an essential guidebook for web developers, system administrators, and IT professionals looking to master NGINX, the heart of modern web architectures. This comprehensive resource covers everything from basic configurations to advanced features, making it an invaluable asset for anyone aiming to deploy, secure, and optimize web applications efficiently. With its clear structure, starting from the introduction to NGINX's core concepts and progressing through to complex configurations and performance tuning, the book promises to elevate your skills and understanding of web server management to new heights. Dive deep into the world of NGINX with detailed chapters on domain mastery, security, advanced protocols, and more. Whether you're serving dynamic web applications,

implementing robust security measures, or scaling services through load balancing and redirection, "Hallo Nginx" offers practical insights and strategies for overcoming common challenges. The book's unique approach combines theoretical knowledge with 46 hands-on lab exercises, enabling readers to apply what they've learned in real-world scenarios. These exercises are designed to reinforce concepts and provide practical experience, making the learning process both effective and engaging. Beyond the basics, "Hallo Nginx" explores the extended capabilities of NGINX, including its commercial offering, NGINX Plus, and how to leverage its advanced features for enterprise environments. The chapters on API gateway essentials, advanced caching, and performance tuning are particularly relevant for professionals working with high-traffic sites. Additionally, the book offers troubleshooting tips and best practices to keep your web applications running smoothly. Whether you're new to NGINX or looking to expand your expertise, "Hallo Nginx: Deploying and Optimizing Modern Web Applications" is your go-to resource for mastering one of the most powerful and versatile web servers available today.

Ruby on Rails Tutorial Packt Publishing Ltd

"Mastering Nginx: A Comprehensive Guide" is the ultimate resource for anyone looking to harness the full power of one of the most efficient, flexible, and widely used web servers in the world. Whether you're a seasoned system administrator, a web developer, or a DevOps professional, this book will take you on a detailed exploration of Nginx, from its basic setup to advanced features and module development. Dive into the intricacies of Nginx's high-performance architecture, learn how to configure it as a web server, reverse proxy, or load balancer, and discover strategies for optimizing your web applications for speed and security. With clear explanations, practical examples, and expert insights, "Mastering Nginx: A Comprehensive Guide" covers everything you need to know to configure, secure, and optimize Nginx. This book stands out as a comprehensive manual, meticulously structured to facilitate a step-by-step learning path. It is packed with actionable information, best practices, and tips for solving real-world challenges. By the end of this guide, you will not only have mastered the core concepts and advanced features of Nginx, but you will also be equipped with the skills to improve the performance, reliability, and security of your web applications. Embrace the full potential of Nginx and elevate your web infrastructure to the next level with "Mastering Nginx: A Comprehensive Guide". Your journey into mastering Nginx starts here.

NGINX Cookbook Packt Publishing Ltd

Bulletproof SSL and TLS is a complete guide to using SSL and TLS encryption to deploy secure servers and web applications. Written by Ivan Ristic, the author of the popular SSL Labs web site, this book will teach you everything you need to know to protect your systems from eavesdropping and impersonation attacks. In this book, you'll find just the right mix of theory, protocol detail, vulnerability and weakness information, and deployment advice to get your job done: - Comprehensive coverage of the ever-changing field of SSL/TLS and Internet PKI, with updates to the digital version - For IT security professionals, help to understand the risks - For system administrators, help to deploy systems securely - For developers, help to design and implement secure web applications - Practical and concise, with added depth when details are relevant - Introduction to cryptography and the latest TLS protocol version - Discussion of weaknesses at every level, covering implementation issues, HTTP and browser problems, and protocol vulnerabilities - Coverage of the latest attacks, such as BEAST, CRIME, BREACH, Lucky 13, RC4 biases, Triple Handshake Attack, and Heartbleed - Thorough deployment advice, including advanced technologies, such as Strict Transport Security, Content Security Policy, and pinning - Guide to using OpenSSL to generate keys and certificates and to create and run a private certification authority - Guide to using OpenSSL to test servers for vulnerabilities - Practical advice for secure server configuration using Apache httpd, IIS, Java, Nginx, Microsoft Windows, and Tomcat This book is available in paperback and a variety of digital formats without DRM.

The Kubernetes Operator Framework Book Ilmu Data Publisher

Teaches you to start up Nginx and quickly take your expertise to a level where you can comfortably work with various aspects of the web server and make informed design decisions for your web farm. Nginx powers more than 40% of the top 1000 websites and is among the handful of web servers that

can handle more than 10K simultaneous connections. It has some features which are simply unparalleled. Nginx: From Beginner to Pro teaches the Nginx server in a practical way. Frequently, it is found that web administrators struggle to fix the skill set gaps that happen due to a platform change. Migration from IIS & Apache becomes tedious at best. The book is targeted toward real-world administrators who would want to get up to speed as soon as possible and make good, informed design decisions. First you will set up Nginx and understand the architectural nuances. Then you will learn how to scale out, secure, monitor and troubleshoot the web server. Once you are fully comfortable with Nginx, you will start learning about migrating applications (or its part) from IIS or Apache web servers. Finally, you will learn to troubleshoot and maintain your Nginx professionally. Written by an author who has gone through the rough phase while moving from IIS/Apache to Nginx, this book is practical and filled with step-by-step instructions to make your time with Nginx as straightforward as possible. What You Will Learn Install and set up Nginx on CentOS, Ubuntu & Mac. Understand Nginx modules and compiling Nginx with appropriate modules. Learn about basic configuration and architecture along with hosting nuances. Load balance Nginx and use it as a highly available web platform. Monitor traffic and automate common administrative tasks. Use scripts to perform routine checks for health issues. Implement security and authentication in Nginx. Learn how and what to migrate from IIS & Apache web servers. Who This Book Is For Provides a crisp background of Nginx and then gears towards technical and practical topics. You need to know HTTP protocol, and have basic knowledge of Linux and networking concepts. The target audience is web administrators who would like to learn the finer nuances of Nginx, or map their existing skillset from IIS or Apache.

NGINX Cookbook DigitalOcean

Effortlessly create and manage complex multi-component applications based on Docker containers
Key Features Gain a clear understanding of software containers from the SecDevOps perspective
Master the construction of application pieces within containers to achieve a seamless life cycle
Prepare your applications to run smoothly and with ease in complex container orchestrators
Purchase of the print or Kindle book includes a free PDF eBook Book Description
Developers are changing their deployment artifacts from application binaries to container images, giving rise to the need to build container-based apps as part of their new development workflow. Managing an app's life cycle is complex and requires effort—this book will show you how to efficiently develop, share, and execute applications. You'll learn how to automate the build and delivery process using CI/CD tools with containers as container orchestrators manage the complexity of running cluster-wide applications, creating infrastructure abstraction layers, while your applications run with high availability, resilience, and persistence. As you advance, you'll develop, test, and debug applications on your desktop and get them ready to run in production with optimal security standards, using deployment patterns and monitoring tools to help identify common issues. You'll also review deployment patterns that'll enable you to solve common deployment problems, providing high availability, scalability, and security to your applications. Finally, you'll explore different solutions to monitor, log, and instrument your applications as per open-source community standards. By the end of this book, you'll be able to manage your app's life cycle by implementing CI/CD workflows using containers to automate the building and delivery of its components. What you will learn Find out how to build microservices-based applications using containers Deploy your processes within containers using Docker features Orchestrate multi-component applications on standalone servers Deploy applications cluster-wide in container orchestrators Solve common deployment problems such as persistency or app exposure using best practices Review your application's health and debug it using open-source tools Discover how to orchestrate CI/CD workflows using containers Who this book is for This book is for developers and DevOps engineers looking to learn about the implementation of containers in application development, especially DevOps engineers who deploy, monitor, and maintain container-based applications running on orchestrated platforms. In general, this book is for IT professionals who want to understand Docker container-based applications and their deployment. A basic understanding of coding and frontend-backend architectures is needed to follow the examples presented in this book.

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