Kubernetes Cookbook

Hideto Saito, Hui-Chuan Chloe Lee, Ke-Jou Carol Hsu

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Key Features

- Are you using containers in your organization and want to better manage, scale, and orchestrate apps on the container? Use the recipes in the book to find a reliable solution from experts
- This is the first and only book on the market on Kubernetes, and it will show how to manage your containers in production using Kubernetes
- Buy this book, simply follow the recipes, and you will be the master of your Linux containers

Book Description

Kubernetes is Google's solution to managing a cluster of containers. Kubernetes provides a declarative API to manage clusters while giving us a lot of flexibility. This book will provide you with recipes to better manage containers in different scenarios in production using Kubernetes.

We will start by giving you a quick brush up on how Kubernetes works with containers along with an overview of the main Kubernetes features such as Pods, Replication Controllers, and more. Next, we will teach you how to create clusters using Kubernetes and how to run programs on Kubernetes. We'll explain features such as High Availability Kubernetes master setup, using Kubernetes with Docker, and orchestration with Kubernetes using AWS. Later, will show you how to use Kubernetes-UI, and how to setup and manage Kubernetes clusters on the cloud and bare metal.

Upon completion of this book, you will be able use Kubernetes in production and will have a better understanding about how to manage your containers using Kubernetes.

What you will learn

- Get to know how to build your own container cluster
- Deploy and manage highly scalable applications using Kubernetes
- Discover how to build high availability Kubernetes
- Find out how to build a continuous delivery pipeline for your application
- Track metrics and logs for every container running in your cluster
- Streamline the way you deploy and manage your applications with large-scale container orchestration

About the Author

Hideto Saito has around 20 years' experience in the computer industry. In 1998, when he worked for Sun Microsystems Japan, he was impressed with Solaris OS, OPENSTEP, and Sun Ultra Enterprise 10000 (AKA StarFire), then he decided to pursue the UNIX and MacOS X operation systems.

Since 2006, he has relocated to Southern California as a software engineer to develop products and services running on Linux and MacOS X. He was especially renowned for his quick Objective-C code when he was drunk.

He is also enthusiast of Japanese anime, drama, and motor sports and loves Japanese OTAKU culture.

Hui-Chuan Chloe Lee is a software engineer who works for Trend Micro.

She has a Master's degree in CS from National Taiwan University in Taiwan and is an AWS certified associate solution architect. She loves to develop software, learn new technologies, and has extensive experience in different continuous delivery solutions.

In her free time, she enjoys reading, traveling, and spending the time with the people she loves.

Ke-Jou Carol Hsu is a software engineer working at Trend Micro, which is the first full-time job in her life.

In 2010, she studied Linux, and thus began her love of distributed computer systems. In school, she gained experience in high performance computing and virtualization techniques; she secretly boasted herself as "the one who creates the most machines," which means thousands of VMs in a day for experiments. But later on, she realized it was total nonsense after she studied Linux containers.

Aside from writing codes and deploying systems, Carol enjoys sharing her experience with others, although she only has a few topics to share.

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The reason why? Because this Kubernetes Cookbook is an unordinary book that the inside of the book waiting for you to snap the idea but latter it will zap you with the secret this inside. Reading this book next to it was fantastic author who all write the book in such awesome way makes the content interior easier to understand, entertaining technique but still convey the meaning thoroughly. So , it is good for you because of not hesitating having this any more or you going to regret it. This excellent book will give you a lot of positive aspects than the other book possess such as help improving your expertise and your critical thinking approach. So , still want to postpone having that book? If I were you I will go to the guide store hurriedly.

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