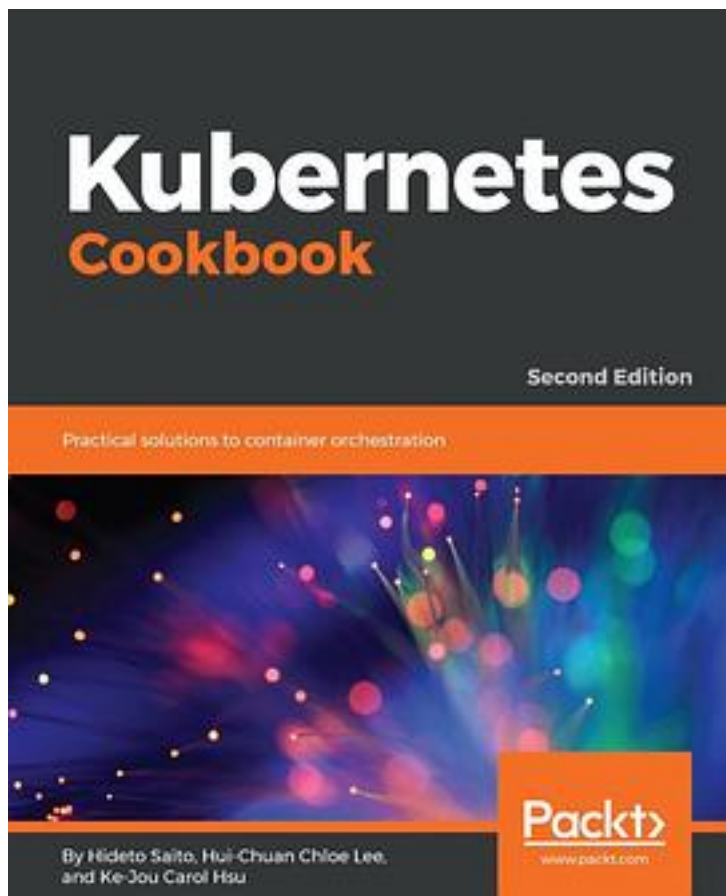


# Kubernetes Cookbook - Second Edition



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Kubernetes is an open source orchestration platform to manage containers in a cluster environment. With Kubernetes, you can configure and deploy containerized applications easily. This book gives you a quick brush up on how Kubernetes works with containers, and an overview of main Kubernetes concepts, such as Pods,

Deployments, Services and etc.

This book explains how to create Kubernetes clusters and run applications with proper authentication and authorization configurations. With real-world recipes, you'll learn how to create high availability Kubernetes clusters on AWS, GCP and in on-premise datacenters with proper logging and monitoring setup. You'll also learn some useful tips about how to build a continuous delivery pipeline for your application. Upon completion of this book, you will be able to use Kubernetes in production and will have a better understanding of how to manage containers using Kubernetes.

What you will learn

Build your own container cluster

Deploy and manage highly scalable, containerized applications with Kubernetes

Build high-availability Kubernetes clusters

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

作者介绍:

Hideto Saito has around 20 years of experience in the computer industry. In 1998, while working 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. In 2006, he 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 an enthusiast of Japanese anime, drama, and motor sports, and loves Japanese Otaku culture.

Hui-Chuan Chloe Lee has worked in the software industry for over 5 years. She has a master's degree in CS from the National Taiwan University and is an AWS-certified associate solution architect. Chloe is also a technology enthusiast who has extended interest and experiences in different topics, such as application development, container technology, and Continuous Delivery. In her free time, she enjoys reading, traveling, and spending time with the people she loves.

Ke-Jou Carol Hsu is an engineer at Trend Micro. As a developer working in the Data Center Service group, Carol helps to write programs for deploying or managing internal-facing systems. She has both a bachelor's and a master's degree from the National Tsing Hua University. While studying and doing research, Carol focused on the area of high performance computing and virtualization technology. The experience made her more and more interested in system software, especially distributed systems and cloud environments.

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