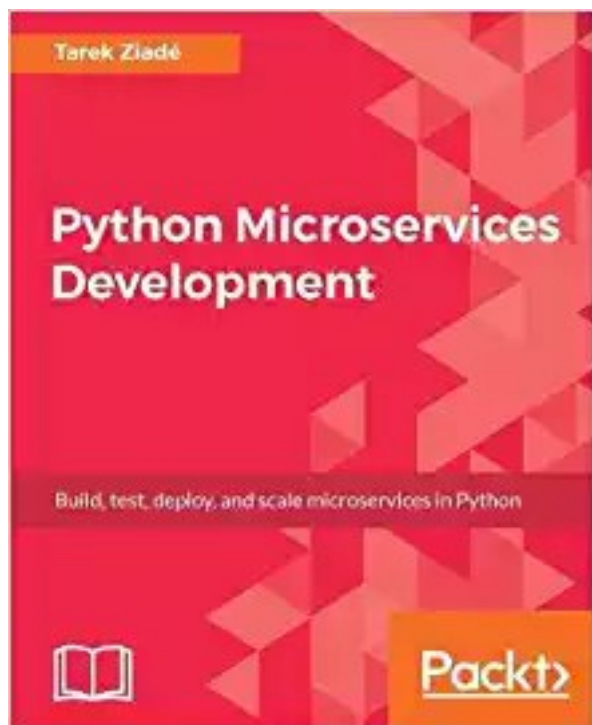


Python Microservices Development



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出版者:Packt Publishing

出版时间:2017-10-5

装帧:Paperback

isbn:9781785881114

Key Features

A very useful guide for the vast Python developer community, who are shifting from Monolithic design to the new Microservices-based developmentA concise, up-to-date guide to building efficient and lightweight microservices in Python using Flask Tox and other toolsLearn to use Docker containers, CoreOS, and Amazon Web Services to deploy your services

Book Description

We often deploy our web applications into the cloud, and our code needs to interact with many third-party services. An efficient way to build applications to do this is through microservices architecture. But, in practice, it's hard to get this right due to the complexity of all the pieces interacting with each other.

This book will teach you how to overcome these issues and craft applications that are built as small standard units, using all the proven best practices and avoiding the usual traps. It's a practical book: you'll build everything using Python 3 and its amazing tooling ecosystem. You will understand the principles of TDD and apply them.

You will use Flask, Tox, and other tools to build your services using best practices. You will learn how to secure connections between services, and how to script Nginx using Lua to build web application firewall features such as rate limiting. You will also familiarize yourself with Docker's role in microservices, and use Docker containers, CoreOS, and Amazon Web Services to deploy your services.

This book will take you on a journey, ending with the creation of a complete Python application based on microservices. By the end of the book, you will be well versed with the fundamentals of building, designing, testing, and deploying your Python microservices.

What you will learn

Explore what microservices are and how to design them
Use Python 3, Flask, Tox, and other tools to build your services using best practices
Configure and package your code in the best way
Interact with other services
Secure, monitor, and scale your services
Deploy your services in Docker containers, CoreOS, and Amazon Web Services

作者介绍:

About the Author

Tarek Ziadé is a Python developer, located in the countryside near Dijon, France. He works at Mozilla in the Services team. He founded a French Python User group, called Afpy, and has written several books about Python in French and English. When Tarek is not hacking on his computer or hanging out with his family, he's spending his time between his two passions: running and playing the trumpet.

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标签

Python

软件工程

计算机

MicroService

计算机科学

程序设计

Programming

评论

python技术栈的后端、数据分析服务怎么微服务化，我目前读过的最实操最接近真实环境的书了，Mozilla服务团队成员作品质量还是在线的：其实tokenizer没看书前我们自己已经这么设计和剥离了，jwt/travis也是，只是没有Mozilla这么有系统……我这个月很大部分自由时间耗在这里了，哪天偶爆肝挂了有它的一部分。例子重新整理、为了能在国内跑起来，代码和docker compose的文件啊还是得改下：
<https://github.com/greatabel/PyMicroservices>，一些摘录在Technology豆列。这本书需要时常读读，主要是思路和架构设计，特别适合python技术栈公司去借鉴

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书评

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