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ISBN	1-4842-7809-7
Descrizione fisica	1 online resource (257 pages)
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Soggetti	Service-oriented architecture (Computer science)
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Nota di contenuto	Chapter 1: Introduction to Microservices & AKS -- Chapter 2: Microservices Architecting & Design Considerations -- Chapter 3: Microservices Design Patterns -- Chapter 4: Containers & Azure Kubernetes Services -- Chapter 5: Things you should know -- Securing and Monitoring application running on AKS -- Chapter 6: CI/CD for AKS.
Sommario/riassunto	Design and implement scalable microservices using Azure Kubernetes Services (AKS) and other Azure Services. This book will help you understand why and when to choose microservices as a solution for modernization and how to use Azure DevOps to implement CI/CD for deploying microservices. The book starts with an introduction to the evolution to microservices and AKS along with its components. You will learn design patterns to implement microservices on AKS and understand Kubernetes as a container orchestration platform. You will go through the common errors faced in AKS-based applications and ways to handle them. You will learn error handling tips and tricks and how to design for business continuity and disaster recovery. The book discusses things you should know related to security and monitoring when working with AKS-based applications. The book presents a practical approach to set up processes for CI/CD, such as building Build and release pipelines for AKS deployment using Azure DevOps. After reading this book, you will understand design considerations for designing scalable microservices and know how to implement the

design through AKS. You will: Know design patterns for microservices and how to handle failure scenarios Be aware of architecture and design considerations Understand container and Kubernetes architecture components Understand security and monitoring aspects Take a practical approach to continuous integration and continuous delivery.