Mastering Cloud Development using Microsoft Azure

Roberto Freato, Marco Parenzan

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Key Features

- Build an effective development environment in Azure using the right set of technologies.
- Architect a full-stack solution in the cloud to choose the best service set
- A comprehensive guide full of real-life examples to help you take your developer skills up a notch

Book Description

Microsoft Azure is a cloud computing platform that supports many different programming languages, tools, and frameworks, including both Microsoft-specific and third-party software and systems.

This book starts by helping you set up a professional development environments in the cloud and integrating them with your local environment to achieve improved efficiency. You will move on to create front-end and back-end services, and then build cross-platform applications using Azure. Next you'll get to grips with advanced techniques used to analyze usage data and automate billing operations. Following on from that, you will gain knowledge of how you can extend your on-premise solution to the cloud and move data in a pipeline.

In a nutshell, this book will show you how to build high-quality, end-to-end services using Microsoft Azure. By the end of this book, you will have the skillset needed to successfully set up, develop, and manage a full-stack Azure infrastructure.

What You Will Learn

- Set up a development environment with VMs, ARM, and RemoteApp
- Connect with VPNs to manage security and backups
- Establish a front-end architecture with AppService, storage, search, and caching
- Implement identity solutions, integrate applications, and use data
- Integrate cross-platform mobile applications with the cloud
- Consistently build and manage an API layer for millions of users
- Work with messages in the enterprise
- Deploy your services as an IT expert with ARM templates

About the Author

Roberto Freato has been an independent IT consultant since he started to work. Working for small software factories while he was studying, after his M.Sc. in Computer Science Engineering with his thesis on Consumer Cloud Computing, he got specialization in Cloud and Azure. Today, he works as a freelance consultant for major companies in Italy, helping clients design and kick off their distributed software solutions. He trains the developer community in his free time, speaking at many conferences. He has been a Microsoft MVP since 2010.

Marco Parenzan is an experienced .NET developer, now also a Cloud Computing and Azure trainer. A Microsoft MVP on Azure since 2014, he is curious about the IoT business and architectures. He loves

retrogaming, and he tries programming little games in his spare time. He is a community lead for 1nn0va, a local Microsoft community in Pordenone, Italy, and he likes training developers in companies and university.

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