

Table of Contents

Preface

Section 1: DevOps Principles and Azure DevOps Project Management

1

Azure DevOps Overview

Introducing DevOps	4	Agile development support	10
Understanding DevOps principles	6	Version control	11
Principle 1 – Customer-centric action	6	Infrastructure as Code	11
Principle 2 – Create with the end in mind	6	Configuration Management	12
Principle 3 – End-to-end responsibility	7	Monitoring	12
Principle 4 – Cross-functional autonomous teams	7	Discovering Azure DevOps services	12
Principle 5 – Continuous improvement	7	Azure Boards	12
Principle 6 – Automate everything	7	Azure Repos	13
Introducing Azure DevOps key concepts	8	Azure Pipelines	14
Plan	9	Azure Test Plans	15
Develop	9	Azure Artifacts	16
Deliver	9	Extension Marketplace	17
Operate	9	Introducing the scenarios	18
Continuous integration and continuous delivery (CI/CD)	10	Creating the starter project	19
		Summary	21
		Further reading	21