



DevOps with Microsoft Azure and Visual Studio Team Services

Mitesh Soni

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Key Features

- This guide highlights tools that offer development and deployment environments for application services
- Secure and continuously monitor your web application in order to protect your data
- Use Azure services for Continuous Integration and Continuous Development to expedite your application development process

Book Description

This book will teach you all about the PaaS offering that supports continuous application development, continuous delivery, continuous deployment, and execution in the cloud with high availability, disaster recovery, and security.

To begin with, we will walk you through all the concepts and tools that Microsoft Azure has to offer and how these can be used in the DevOps environment. We'll teach you how to use and manage Visual Studio Team Services (VSTS), so you understand the structure of sample application we use throughout the book. You will understand the nitty gritty of Continuous Integration and Continuous Development with Microsoft Azure Apps. You will not only learn how to create App service environments, but also how you can provide a detailed comparison of Azure Web Apps and App Service Environment to enhance security.

Once you have completed Continuous Integration and created the Platform for application deployment, you will learn more about the final stepping stone in achieving end-to-end automation: Continuous Monitoring.

What you will learn

- Explore the features of PaaS and aPaaS in DevOps
- Use Visual Studio Team Services (VSTS) to manage versions of code and integrate VSTS with Eclipse IDE
- Understand and configure Continuous Integration in VSTS
- Review Unit Test Execution for Automated Testing
- Create different environments that can be used to continuously deploy a web application
- Configure Role-based Access to enable secure access for Azure Web Apps
- Create and configure the App Service Environment to enhance security
- Understand the execution of the end-to-end automation process
- Conduct Performance Testing using JMeter

About the Author

Mitesh Soni is a DevOps enthusiast. He has worked on projects for DevOps enablement using Microsoft Azure and VSTS. He has also experience of working with other tools that are DevOps enablers such as Jenkins, Chef, IBM UrbanCode Deploy, Atlassian Bamboo, and more. He has authored Books on Chef, Jenkins, and DevOps:

Learning Chef, Jenkins Essentials, and DevOps for Web Development all for Packt Publishing.

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