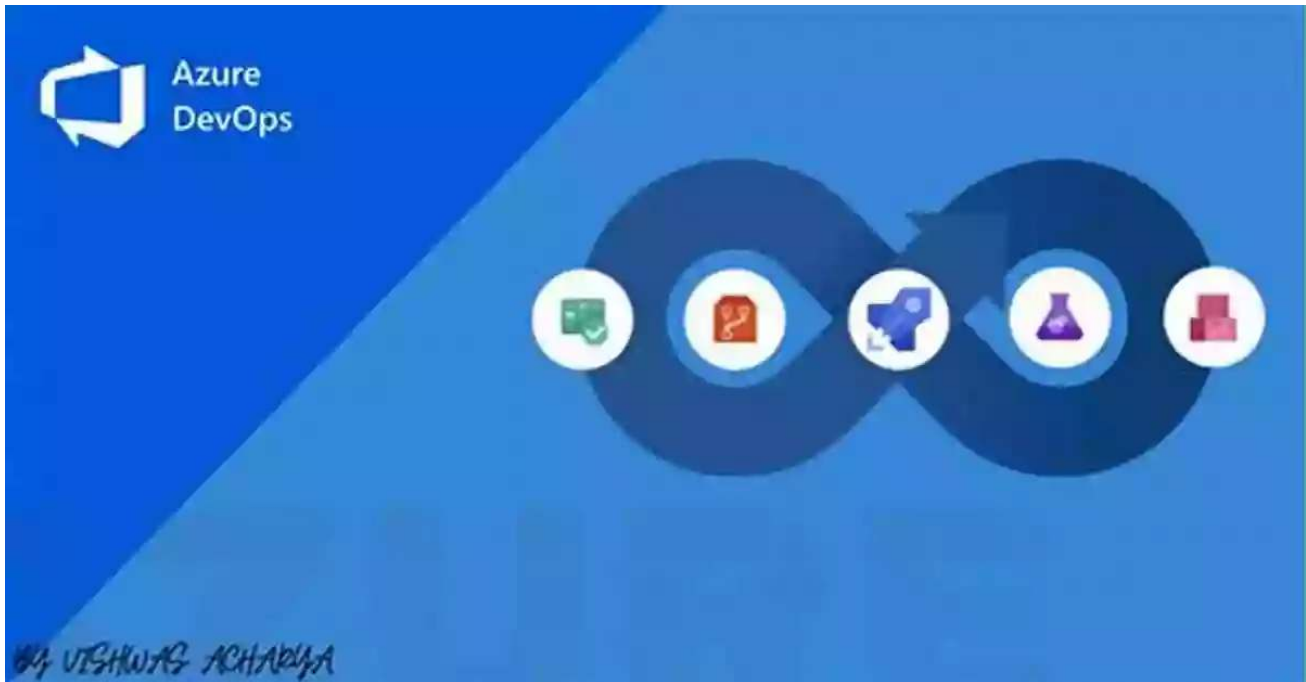


# Get Started With Azure Devops And Develop Your Devops Practices



Are you looking to enhance your development and delivery processes? Do you want to implement efficient DevOps practices in your organization? Look no further – Azure DevOps is here to streamline your entire DevOps lifecycle.

## to Azure DevOps

Azure DevOps, formerly known as Visual Studio Team Services (VSTS), is a cloud-based service by Microsoft that provides various tools to support collaborative software development and delivery. It offers a comprehensive set of services to help teams plan, develop, test, and deploy applications with ease.

### **Azure DevOps Explained: Get started with Azure DevOps and develop your DevOps practices**

by Sjoukje Zaal(Kindle Edition)

★★★★☆ 4.2 out of 5



Language	: English
File size	: 68779 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
X-Ray	: Enabled
Print length	: 438 pages



## Why Azure DevOps?

Azure DevOps offers a wide range of features and benefits that can revolutionize your development practices. Here are some key reasons why you should consider using Azure DevOps:

### 1. Integrated Development Environment

Azure DevOps provides an integrated development environment (IDE) that brings together all the tools required for software development, including version control, continuous integration/continuous delivery (CI/CD), and project management. This integration results in better collaboration, faster development cycles, and improved code quality.

### 2. Agile Project Management

Azure DevOps supports agile project management methodologies, such as Scrum and Kanban, allowing you to easily plan, track, and deliver your projects. With features like backlogs, sprints, and burndown charts, you can effectively manage your team's workflow and prioritize tasks.

### 3. Continuous Integration/Continuous Delivery (CI/CD)

Azure DevOps enables seamless integration and delivery of code changes. By automating the entire CI/CD pipeline, you can quickly build, test, and deploy applications, ensuring faster time-to-market and high-quality releases.

#### **4. Extensive Integration**

Azure DevOps integrates with numerous popular development tools and services, such as GitHub, Jenkins, and Docker, allowing you to leverage your existing investments. It also provides an open platform for custom extensions, enabling you to tailor the platform to your specific needs.

#### **5. Analytics and Reporting**

Azure DevOps offers powerful analytics and reporting capabilities, allowing you to gain insights into your development processes. With built-in dashboards and reports, you can track key metrics, identify bottlenecks, and make data-driven decisions to continuously improve your practices.

### **Getting Started with Azure DevOps**

Now that you understand the advantages of Azure DevOps, let's dive into how you can get started with this powerful platform:

#### **1. Sign Up for Azure DevOps**

Visit the Azure DevOps website and sign up for a free account. You can choose between different tiers based on your team's size and requirements. Once signed up, you'll have access to the full suite of Azure DevOps services.

#### **2. Create Your Project**

After signing up, create a new project in Azure DevOps. This project will act as a container for all your development activities, including repositories, pipelines, work items, and more.

### **3. Set Up Version Control**

Configure version control for your project. Azure DevOps supports both Git and Team Foundation Version Control (TFVC). Choose the appropriate option based on your preferences or existing workflows.

### **4. Define Your CI/CD Pipeline**

Set up your continuous integration and continuous delivery pipeline. Define stages for building, testing, and deploying your applications. Use build agents and release agents to automate the entire pipeline.

### **5. Collaborate and Track Work**

Leverage Azure Boards to create work items, track progress, and collaborate with your team. Use backlogs, sprints, and Kanban boards to manage your team's workflow and prioritize tasks effectively.

### **6. Monitor and Improve**

Make use of built-in analytics and reporting capabilities to monitor key metrics, identify areas for improvement, and optimize your development processes. Continuously iterate and enhance your DevOps practices for maximum efficiency.

Azure DevOps is a powerful platform that can help you streamline your DevOps practices and achieve efficient software delivery. With its integrated tools, agile project management features, and continuous integration/continuous delivery capabilities, you can supercharge your development processes and establish a culture of collaboration and innovation.

So, what are you waiting for? Get started with Azure DevOps today and take your DevOps practices to the next level!



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Implement real-world DevOps and cloud deployment scenarios using Azure Repos, Azure Pipelines, and other Azure DevOps tools

### Key Features

- Improve your application development life cycle with Azure DevOps in a step-by-step manner
- Apply continuous integration and continuous deployment to reduce application downtime
- Work with real-world CI/CD scenarios curated by a team of renowned Microsoft MVPs and MCTs

### Book Description

Developing applications for the cloud involves changing development methodologies and procedures. Continuous integration and continuous deployment (CI/CD) processes are a must today, but are often difficult to implement and adopt. Azure DevOps is a Microsoft Azure cloud service that

enhances your application development life cycle and enables DevOps capabilities.

Starting with a comprehensive product overview, this book helps you to understand Azure DevOps and apply DevOps techniques to your development projects. You'll find out how to adopt DevOps techniques for your development processes by using built-in Azure DevOps tools. Throughout the course of this book, you'll also discover how to manage a project with the help of project management techniques such as Agile and Scrum, and then progress toward development aspects such as source code management, build pipelines, code testing and artifacts, release pipelines, and GitHub integration. As you learn how to implement DevOps practices, this book will also provide you with real-world examples and scenarios of DevOps adoption.

By the end of this DevOps book, you will have learned how to adopt and implement Azure DevOps features in your real-world development processes.

## **What you will learn**

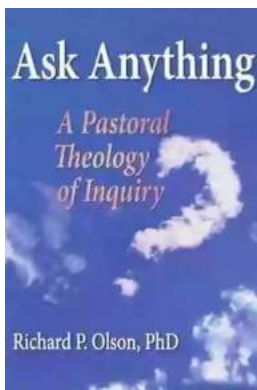
- Get to grips with Azure DevOps
- Find out about project management with Azure Boards
- Understand source code management with Azure Repos
- Build and release pipelines
- Run quality tests in build pipelines
- Use artifacts and integrate Azure DevOps in the GitHub flow
- Discover real-world CI/CD scenarios with Azure DevOps

## **Who this book is for**

This book is for developers, solutions architects, and DevOps engineers interested in getting started with cloud DevOps practices on Azure. Prior understanding of Azure architecture and services is necessary. Some knowledge of DevOps principles and techniques will be useful.

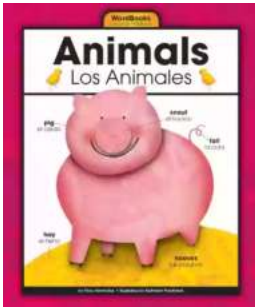
## Table of Contents

1. Azure DevOps Overview
2. Managing Projects with Azure DevOps Boards
3. Source Control Management with Azure DevOps
4. Understanding Azure DevOps Pipelines
5. Running Quality Tests in a Build Pipeline
6. Hosting Your Own Azure Pipeline Agent
7. Using Artifacts with Azure DevOps
8. Deploying Applications with Azure DevOps
9. Integrating Azure DevOps with GitHub
10. Using Test Plans with Azure DevOps
11. Real-World CI/CD Scenarios with Azure DevOps



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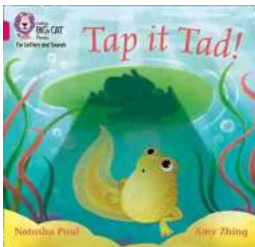
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