
Professional Microsoft Azure DevOps Engineering

Duration: 3 Days Course Code: LO035430 Delivery Method: Company Event

Overview:

This course starts with the hands-on approach to develop an application and create a quality product using DevOps with Azure. This course provides a perfect blend of real-world examples and hands-on exercises to help you learn key concepts and techniques. Learn everything you need to get started with DevOps on Microsoft Azure, including automation, testing, development, and the provisioning of services. You'll learn all about the practical aspects of DevOps by understanding how different teams (such as development, QA, cloud, and build engineers) collaborate to develop an application and create high-quality products with Azure. Streamline your software development lifecycle with Microsoft Azure's integrated cloud tools and resources.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

Professional Microsoft Azure DevOps Engineering is an ideal course for developers, technical leads, testers, and operational professionals, who want to jump-start Microsoft Azure PaaS offerings, such as App Services and SQL Database, to host applications.

Objectives:

- The course begins by giving you an overview of PaaS and aPaaS. You'll also learn about Visual Studio Team Services (VSTS) and its integration with Eclipse IDE. You'll see how to configure the application code for automated compilation and run a unit test.
 - As you progress, you'll explore continuous development with Microsoft Azure Web Apps by learning to create different environments for deploying web applications. You'll also explore the difference between Azure Web Apps and Azure App Service Environments. Next, you'll gain insight into end-to-end automation for deploying an application in PaaS. When you complete this course, you will feel confident and excited to apply your skills in real-life business scenarios.
 - After completing this course, you will be able to:
 - Explore the features of PaaS and aPaaS in DevOps
 - Use Visual Studio Team Services (VSTS) to manage code versions
 - Understand and configure continuous integration in VSTS
 - Build different environments for continuously deploying an application
 - Configure role-based access to enable secure access for Azure Web Apps
 - Execute an end-to-end automation process
 - Test an app for performance using JMeter
 - Creating and configuring Traffic Manager with endpoints
 - Understand disaster recovery and high availability of Azure Web Apps
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Content:

Lesson 1: Visual Studio Team Services Fundamentals

- Overview of Visual Studio Team Services (VSTS)
- Integrating VSTS with Visual Studio IDE
- Managing Code Using VSTS and Visual Studio

Lesson 2: Microsoft Azure Fundamentals

- What is Cloud Computing?
- Azure Web Apps
- Azure Data and Storage
- Azure Web App Key Concepts

Lesson 3: Agile with Visual Studio Team Services

- Introducing Agile in VSTS
- Working with Kanban Boards

Lesson 4: Continuous Integration with VSTS

- Overview of Continuous Integration in VSTS
- Customizing Your CI Build

Lesson 5: Continuous Deployment with VSTS

- An Overview of Continuous Deployment in VSTS
- Extending the Release Definition

Lesson 6: Continuous Monitoring with VSTS

- Performance Testing Using VSTS
- Azure Web Apps Troubleshooting

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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