

Azure DevOps: VSTS CI/CD for Web Apps

Streamline your software development lifecycle with Microsoft Azure's integrated cloud tools and resources.

2 Days

DURATION

6

MODULES

15

TOPICS

COURSE OVERVIEW

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.

WHO THIS COURSE IS FOR

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

TOOLS AND REQUIREMENTS

Technical Requirements

- Hardware: This course will require a computer system for the instructor and one for each student.
- Processor: Intel Core i7 or equivalent
- Memory: 8GB RAM
- Storage: 40 GB available space
- Windows 8.1 64-bit
- Browser: We recommend the latest version of one or more browsers (Internet Explorer 11, Chrome 54.0.2840, or Mozilla Firefox)
- GLIBC 2.3 to 2.11 for Linux
- Visual Studio IDE
- Azure subscription

What You Will Learn

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

TRAINING APPROACH

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.

COURSE SYLLABUS

6 Modules, 15 Topics

01

Visual Studio Team Services Fundamentals

TOPICS

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

02

Microsoft Azure Fundamentals

TOPICS

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

03

Agile with Visual Studio Team Services

TOPICS

Introducing Agile in VSTS · Working with Kanban Boards

04

Continuous Integration with VSTS

TOPICS

Overview of Continuous Integration in VSTS ·
Customizing Your CI Build

05

Continuous Deployment with VSTS

TOPICS

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

06

Continuous Monitoring with VSTS

TOPICS

Performance Testing Using VSTS · Azure Web Apps Troubleshooting

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

[Visit koenig-solutions.com](https://www.koenig-solutions.com)info@koenig-solutions.com