

# Building Microservices With .NET

**Duration:** 5 Days

**Course Overview:** Microservice applications are composed of small, independently versioned, and scalable customer-focused services that communicate with each other over standard protocols with well-defined interfaces. Each microservice typically encapsulates simple business logic, which you can scale out or in, test, deploy, and manage independently. Smaller teams develop a microservice based on a customer scenario and use any technologies that they want to use. This course will teach you how to build your microservice with .NET.

**Target Audience:** Developers, DevOps Engineers, Programmers, Solution Architects

## Course Outline:

- Your first microservice
- Adding database storage
- Preparing for the next microservice
- Synchronous inter-service communication
- Asynchronous inter-service communication
- Initial Frontend Integration
- Identity in Microservices
- Microservices Security Patterns and Techniques
- Implementing Microservices Security
- Authorization in Microservices
- Frontend Integration to Secure Microservices
- Transactions with Microservices
- Preparing the Saga participants
- Implementing the Purchase Saga
- Compensation and Idempotency
- The Frontend Store Experience