

.NET Core Microservices - The Complete Guide (.NET 6 MVC)

Module 1: Introduction to Microservices

- What are microservices?
- Microservices vs monolithic architecture
- Advantages and disadvantages of microservices
- Overview of .NET Core 6

Module 2: Designing Microservices Architecture

- Principles of microservices design
- Domain-driven design (DDD) and bounded contexts
- Service boundaries and interfaces
- Data consistency and transactions

Module 3: Building Microservices with .NET Core 6

- Setting up a new .NET Core 6 project
- Implementing the service layer with MVC
- Using Entity Framework Core to connect to a database
- Testing individual microservices

Module 4: Communication between Microservices

- Communication patterns between microservices
- RESTful APIs and HTTP requests
- Using the HttpClient class in .NET Core
- Versioning and documentation of APIs

Module 5: Deploying Microservices to Azure

- Creating an Azure account and setting up a new Azure Web App
- Deploying microservices to Azure
- Configuring and securing the production environment
- Continuous deployment with Git and Azure DevOps