

Exploring ASP .NET Core: Fundamentals

Modality: Self-Paced Learning

Duration: 4 Hours

About this course:

The Exploring ASP.NET Core: Fundamentals course is a beginner level course that gives the students an overview of the new ASP.NET Core framework, the new tooling, and gives the candidates enough knowledge and confidence to start building web applications using it. The course starts off discussing the new templates and project types available. Then, moves on to review some of the core concepts such as configuration, dependency injection, routing, and Middleware.

The average salary for a .Net Developer/Programmer is **\$86,000** per year.

Course Objective:

- Learn and use .NET Core Command Line Tools
- Understand the .NET Core Apps
- Build an MVC App
- Gain knowledge of the foundation of ASP NET Core
- Build an ASP NET Web App

Audience:

- Basic C# programming knowledge and experience
- Basic .NET Core knowledge
- Familiarity with the .NET framework

Prerequisite:

- The course is designed to for the .NET developers at various levels of experience.
- The course is equally beneficial for the junior and senior level developers as the course enables the candidates to gain the necessary skills they need to quickly become productive with the .NET framework.

Course Outline:

Chapter 01: Intro to .NET Core

- **Topic A: Intro to .NET Core - Part 1**
- Intro to .NET Core - Part 2
- Intro to .NET Core - Part 3
- **Topic B: A Primer on .NET Core Architecture - Part 1**
- A Primer on .NET Core Architecture - Part 2

- A Primer on .NET Core Architecture - Part 3
- **Topic C: Getting Started with .NET Core - Part 1**
- Getting Started with .NET Core - Part 2
- Getting Started with .NET Core - Part 3
- **Topic D: .NET Core Command Line Tools - Part 1**
- .NET Core Command Line Tools - Part 2
- .NET Core Command Line Tools - Part 3

Chapter 02: .NET Core Apps

- **Topic A: .NET Core App - Part 1**
- .NET Core App - Part 2
- .NET Core App - Part 3
- **Topic B: Foundation of ASP.NET Core - Part 1**
- Foundation of ASP.NET Core - Part 2
- Foundation of ASP.NET Core - Part 3
- **Topic C: Building an MVC App - Part 1**
- Building an MVC App - Part 2
- Building an MVC App - Part 3

Chapter 03: Building an ASP.NET Web App

- **Topic A: Visual Studio Tooling - Part 1**
- Visual Studio Tooling - Part 2
- Visual Studio Tooling - Part 3
- **Topic B: Project Structure - Part 1**
- Project Structure - Part 2
- Project Structure - Part 3
- **Topic C: State of .NET Core - Part 1**
- State of .NET Core - Part 2
- State of .NET Core - Part 3
- **Topic D: Should I Use .NET Core Today? - Part 1**
- Should I Use .NET Core Today? - Part 2
- Should I Use .NET Core Today? - Part 3