Exploring ASP.NET Core, Part 1 of 6: Getting Started

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Meet the expert: Don Kiely is a featured instructor on many of our SQL Server and Visual Studio courses. He is a nationally recognized author, instructor, and consultant specializing in Microsoft technologies. Don has many years of teaching experience, is the author or co-author of several programming books, and has spoken at many industry conferences and user groups. In addition, Don is a consultant for a variety of companies that develop distributed applications for public and private organizations.

Prerequisites: This course assumes that students have some programming background, and at least minimal experience with classic ASP.NET, C#, and Visual Studio.
As with any such course, the more experience you bring to the course, the more you’ll get out of it. This course moves quickly through a broad range of programming topics, and is focused on using the .NET Framework with C#.
The course also assumed that you are well familiar with how to use the version of Windows that you are running. For example, the course might say simply “open a browser” without explaining how to do that. You should also be able to navigate the folder hierarchy using Windows Explorer.

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Course description: Explore the radical changes implemented in the complete reboot of .NET Core and discover why this new version is designed for a world built on devices. Dive into the history of .NET, ASP.NET, and the Xamarin Platform and learn how to install .NET Core and write a simple command line application.

Course outline:

Intro to .NET Core
- Introduction
- About This Course
- Tools Used in This Course
- Rebooting .NET
- The Vision: A Common .NET
- Summary

A Primer on .NET Core Architecture
- Introduction
- .NET Core
- .NET and ASP.NET Core version 1.0
- .NET and ASP.NET Core - The Future
- The .NET Framework
- The Xamarin Platform
- And Now: .NET Core
- Summary

Getting Started with .NET Core
- Introduction
- What You Need to Get Started
- Demo: Resources
- Demo: Documentation
- Demo: Unfinished Documentation
- Components of .NET Core
- Summary

.NET Core Command Line Tools
- Introduction
- Dotnet.exe Command Line Tools
- Dotnet Commands
- .NET Core Demo
- Demo: New Project
- Demo: Restore
- Summary