Exploring ASP.NET Core, Part 3 of 6: Tools and Projects

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: Learn how to build a project from common .NET Core project templates and what tools are needed to do so. In addition to discovering how to build a full application, explore the state of .NET Core and determine if it's the best tool to meet your current needs.

Course outline:

Visual Studio Tooling
- Introduction
- Demo: New ASP.NET Core Project
- Demo: Console Application
- Core Files
- Demo: Using the .NET Framework
- Demo: Project.json and Program.cs
- Demo: Web.config
- Demo: Packages
- Demo: A Caveat about Project.json
- Summary

Project Structure
- Introduction
- Demo: New Project
- Demo: App Preview
- Demo: www.root
- Demo: JSON FIles
- Demo: web.config
- Demo: Startup.cs
- Summary

State of .NET Core
- Introduction
- Why .NET Core?
- The State of .NET Core
- Summary

Should I Use .NET Core Today?
- Introduction
- Should I Use .NET Core Today?
- Compelling Reasons to Use .NET Core
- Reasons to NOT Use .NET Core Today
- When to Stay with the Full .NET Framework
- Summary