



Essential ASP.NET Core

Duration: 5 Days **Course Code: GK3368** **Delivery Method: Virtual and Classroom**

Overview:

There are major changes in the next version of ASP.NET and MVC. ASP.NET 5 is the new modular hosting framework for web applications written in .NET. ASP.NET MVC 6 is the next version of Microsoft's server side web framework that unifies MVC and Web API. This release "is a reboot", as quoted from a project manager on the ASP.NET team and Essential ASP.NET 5 and MVC 6 provides the essential information on these new web frameworks. This course covers is a deep exploration of ASP.NET 5 and MVC 6.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Developers familiar with C#, .NET and web development. It is designed for both developers that are new to the ASP.NET 5 and MVC 6 platforms, as well as developers coming from prior versions of the ASP.NET platform.

Objectives:

- What the DNX system is, how it loads your application, and it dynamically compiles your code with Roslyn
 - How the ASP.NET 5 web pipeline is constructed with middleware and how to build your own middleware
 - The new flexible configuration system based upon XML files, JSON files, or environment variables
 - How dependency injection permeates the entire ASP.NET 5 and MVC 6 frameworks
 - How the MVC 6 architecture is similar yet different than prior versions of MVC
 - How razor is used to build dynamic HTML pages and what features are new in MVC 6
 - What are the new security features in ASP.NET 5 and MVC 6
 - How web APIs are designed and built in MVC 6
 - How the new project system utilizes modern build tools such as Node, Bower, Grunt, and Gulp
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Content:

Day 1		Web APIs
DNX	Day 3	
	Model binding ; validation	Day 5
HTTP pipeline and middleware		API security
	Filters, error handling ; diagnostics	
Configuration and dependency injection		Tooling
	Authentication	
Day 2		Appendix: SignalR
MVC 6	Day 4	
	ASP.NET identity	Appendix: Entity Framework 7
Razor 1		
	Authorization	
Razor 2		

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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