

Upgrade Your Skills with ASP.NET Core

J. Tower

PREVIEW

About Me

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Online Training

September 7 – 9

10:30 – 3:30 ET

bit.ly/th-aspnet



Upgrade Your Skills with ASP.NET Core

Trailhead Technology Partners
Wednesday, September 7, 2016 at 10:30 AM - Friday, September 9, 2016 at 3:30 PM (EDT)



Ticket Information

TICKET TYPE	SALES END	PRICE	FEE	QUANTITY
ASP.NET Core Training	Sep 6, 2016	\$600.00	\$0.00	<input type="text" value="0"/>
ASP.NET Core Training (Bulk Discount) more info	Sep 6, 2016	\$510.00	\$0.00	<input type="text" value="0"/>



Order Now

Save This Event

When

Wednesday, September 7, 2016 at 10:30 AM - Friday, September 9, 2016 at 3:30 PM (EDT)

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Overview

.NET Version History

.NET vs .NET Core

Why ASP.NET Core?

CLI and X-Platform

Project/Solutions Changes

Pipeline

Tag Helpers

DI Framework

Client-Side Frameworks

ASP.NET Version History

History of ASP.NET

Version	.NET / IDE Version	Key Features
1.0	1.0 and Visual Studio .NET	OO, event-driven web apps, viewstate, DLL class libraries
1.1	1.1 and Visual Studio .NET 2003	ODBC
2.0	2.0 and Visual Studio 2005	New controls, Themes, Skins, Master pages, Membership Services, Localization
3.5	3.5 and Visual Studio 2008	ASP.NET AJAX, LINQ, MVC 1
4.0	4.0 and Visual Studio 2010	Routing
4.5	4.5 and Visual Studio 2012	Unobtrusive Validation, Async, HTML5, WebSocket
4.5.1	4.5.1 and Visual Studio 2013	One ASP.NET, Scaffolding, Identity

v4.6





v1

A Fork in the Road

Wait, I Thought It Was ASP.NET 5





Well, about that...

ASP.NET 4.6 and ASP.NET Core 1.0

ASP.NET 4.6	ASP.NET 5	
.NET Framework 4.6		.NET Core 1.0   
.NET framework libraries		.NET core libraries
Compilers and runtime components (.NET Compiler Platform: Roslyn, C#, VB, F# Languages, RyuJIT, SIMD)		

Source: <http://www.hanselman.com/blog/ASPNET5IsDeadIntroducingASPNETCore10AndNETCore10.aspx>

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ASP.NET 5, We Hardly Knew Ye

ASP.NET 5 now becomes **ASP.NET Core .10**

EF 7 becomes **EF Core 1.0**

Core 1.0 – because it's new, different, and built for .NET Core

ASP.NET – because it's still so familiar

.NET vs .NET Core

.NET Core

Completely Rewritten

Open Source

Cross-platform: Linux, Mac, and Windows

Includes

- Run-time and JIter

- Native Compilation (!!!)

- Base Class Libraries (BCL)

- .NET Command Line Interface (CLI)

Why ASP.NET Core?

Reasons for ASP.NET Core

Cross-Platform Deployment/Development

Unified stack for UIs and APIs

Support for moderns client-side frameworks

Light-weight and modular HTTP request pipeline

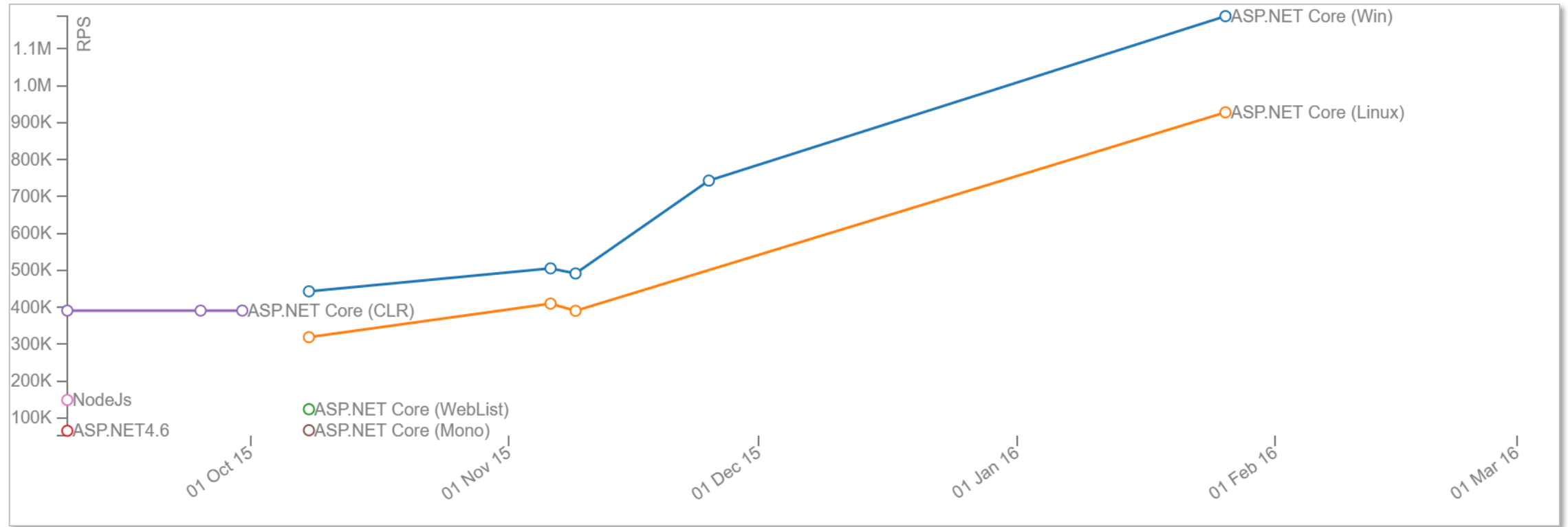
Self hosting

Side-by-side app versioning

Open source and community focused

Performance

Perf!



.NET CLI and Cross-Platform

.NET CLI

```
dotnet run  
dotnet compile  
dotnet pack  
dotnet restore  
dotnet publish
```


Cross-Platform ASP.NET

get.asp.net

Demo

ASP.NET Core 1.0 Project Structure

Demo

ASP.NET Core Pipeline

Demo

Tag Helpers

New in MVC 6

Demo

Dependency Injection Framework

Demo

Client-Side Development

Client-side Tools Support

Gulp & Grunt – Task runners

NPM & Bower – Client-side package manager

DEMO

- Use NPM to add gulp-less

- Compile less->css with gulp and VS integration

- Adding client-side component with Bower

Demo

Recap

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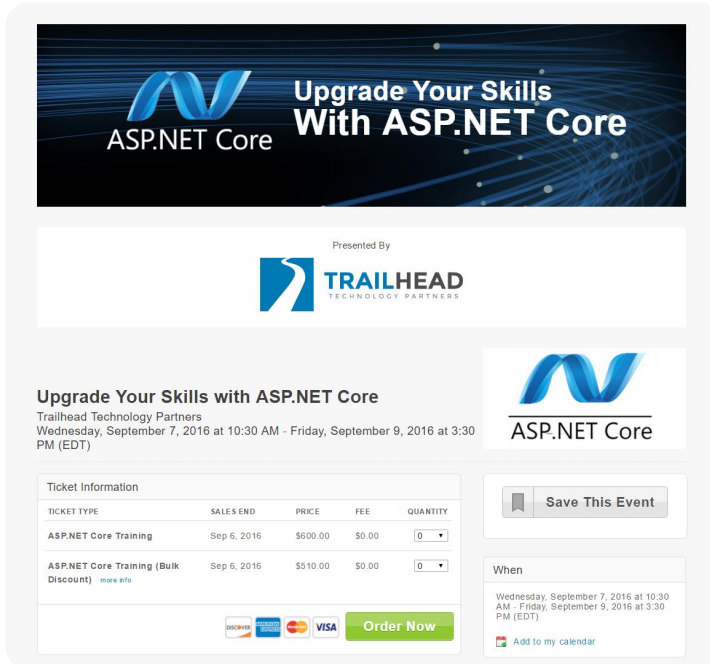
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Interested in More?



The screenshot shows a registration page for "Upgrade Your Skills With ASP.NET Core". At the top, the ASP.NET Core logo is displayed next to the title. Below this, it says "Presented By" followed by the Trailhead Technology Partners logo. The event details are listed: "Upgrade Your Skills with ASP.NET Core", "Trailhead Technology Partners", and the dates "Wednesday, September 7, 2016 at 10:30 AM - Friday, September 9, 2016 at 3:30 PM (EDT)". A table titled "Ticket Information" lists two ticket types: "ASP.NET Core Training" and "ASP.NET Core Training (Bulk Discount)". The table includes columns for "TICKET TYPE", "SALES END", "PRICE", "FEE", and "QUANTITY". The "ASP.NET Core Training" ticket is priced at \$600.00, and the "ASP.NET Core Training (Bulk Discount)" ticket is priced at \$510.00. Both tickets have a quantity of 0. Below the table, there are logos for American Express, Discover, Mastercard, and Visa, followed by a green "Order Now" button. To the right of the table, there is a "Save This Event" button and a "When" section that repeats the event dates and times. At the bottom right, there is a link to "Add to my calendar".

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Thank You! Questions?

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