

Getting Started with ASP.NET Core

Overview



ASP.NET Core

The only thing that's changed is everything.



Open Source

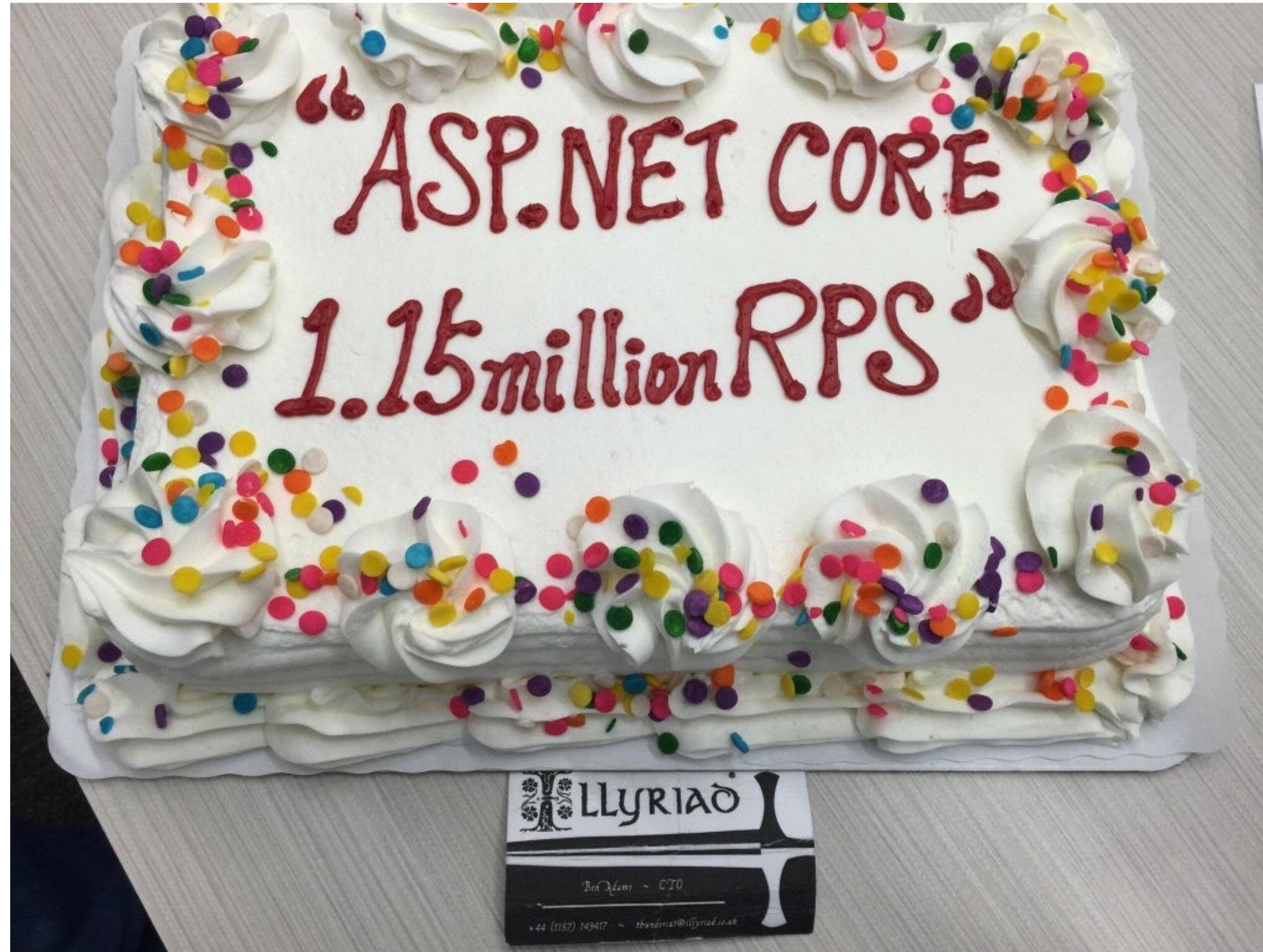
github.com/aspnet/home

Significant Redesign

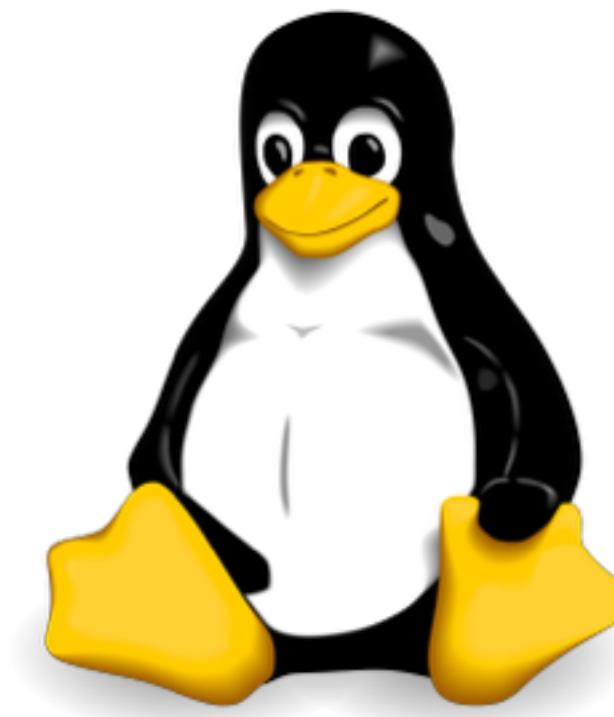
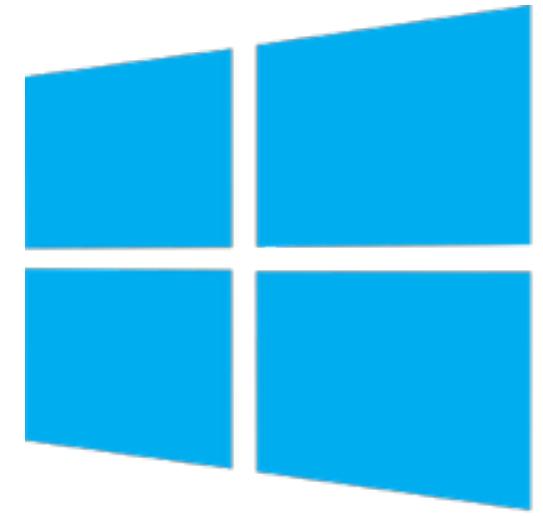
~~System.Web.dll~~



Kestrel



<https://github.com/aspnet/benchmarks>



Cross Platform

Development History

ASP.NET vNext

Announced May 2014



KVM, KRE, KPM

ASP.NET 5 - Beta 1

Released November 2014



<https://github.com/aspnet/Home/releases/tag/v1.0.0-beta1>

ASP.NET 5 - Beta 4

Released April 2015



DNVM, DNX, DNU

ASP.NET 5 - Beta 7

Released September 2015



ASP.NET 5 - RC1

Released November 2015



Name Change

Announced January 2016



ASP.NET Core - RC2

Released May 2016



.NET CLI

ASP.NET Core 1.0

Released June 27, 2016



<https://blogs.msdn.microsoft.com/webdev/2016/06/27/announcing-asp-net-core-1-0/>

Environment Setup

.NET Core

It is very easy to get started with .NET Core on your platform of choice.

You just need a shell, a text editor and 10 minutes of your time.

Windows

Linux

Mac

Docker

Other downloads

Install for Mac OS X 10.11

1

Install pre-requisites

In order to use .NET Core, we first need the latest version of OpenSSL. The easiest way to get this is from [Homebrew](#). After installing brew, do the following:

```
~$ brew update  
~$ brew install openssl  
~$ ln -s /usr/local/opt/openssl/lib/libcrypto.1.0.0.dylib /usr/local/lib/  
~$ ln -s /usr/local/opt/openssl/lib/libssl.1.0.0.dylib /usr/local/lib/
```

2

Install .NET Core SDK

The best way to install .NET Core on macOS is to download the [official installer](#). This installer will install the tools and put them on your PATH so you can run dotnet from the Console

Note: if you have any problems with installation on macOS, please consult our [known issues page](#).

Windows

Visual Studio Update 3 +
.NET Core 1.0.0 - VS 2015 Tooling Preview 2

OR

.NET Core SDK for Windows (command line only)

macOS

Use Homebrew to install latest version of OpenSSL
Download the macOS installer

Demos

Things We Didn't Cover

Deployment
Entity Framework Core
Front End Development
Identity
View Components
JavaScript Services
... and more!

Wrap Up



Tooling

Long live .csproj!

SignalR

Web Pages

...and more!

ASP.NET Community Standups

live.asp.net

ASP.NET Documentation

docs.asp.net

Thanks!

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<https://github.com/smashdevcode/getting-started-with-aspnet-core>