Getting Ready for Node or ASP.NET 5

John Papa

@john_papa | www.johnpapa.net

Code Is Agnostic

Code works with multiple languages

Not dependent on Node nor ASP.NET

We need code to show how to use it

Language Features

Features	Languages
Syntax coloring, bracket matching	Batch, C++, Clojure, Coffee Script, DockerFile, F#, Go, Jade, Java, HandleBars, Ini, Lua, Makefile, Markdown, Objective-C, Perl, PHP, PowerShell, Python, R, Razor, Ruby, Rust, SQL, Visual Basic, XML
+ IntelliSense, linting, outline	CSS, HTML, JavaScript, JSON, Less, Sass
+ Refactoring, find all references	C#, TypeScript

https://code.visualstudio.com/Docs/languages

What You'll Need for Node

Mac/OSX or Windows | Node and NPM | Brew / Chocolatey

Getting Node.js

OSX

- Install Homebrew
  - http://brew.sh/

Windows

- Install Chocolatey
  - https://chocolatey.org/

```
$ brew install node
```

```
choco install nodejs
choco install nodejs.install
```

Tips for Node on Windows

http://jpapa.me/winnode

On OSX

you can alleviate the need to run as sudo by following these instructions

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http://jpapa.me/nomoresudo

For developer machines, this moves npm packages to a folder that doesn't require administrator permissions.

This allows you to type
npm install –g *package-name*
instead of
sudo npm install -g *package-name*

Getting ASP.NET 5

More info

- ASP.NET 5 docs http://docs.asp.net/en/latest/index.html
- OSX Specifics http://jpapa.me/aspnet5osx

```
$ brew tap aspnet/dnx
$ brew update
$ echo source dnvm.sh >> ${HOME}/.bash_profile
$ brew install dnvm
$ dnvm upgrade
```

What's NPM ?

Install packages

Like NuGet, Maven, or Gradle

npm install –g *package-name*

Knowing the Major Players

Task runner

JavaScript Packages

Client JavaScript
Packages

Generate a Project
(File / New)

```
$ npm install -g yo gulp bower typescript tsd
$ npm install -g generator-hottowel generator-aspnet
```

Install NPM Packages for Node and ASP.NET
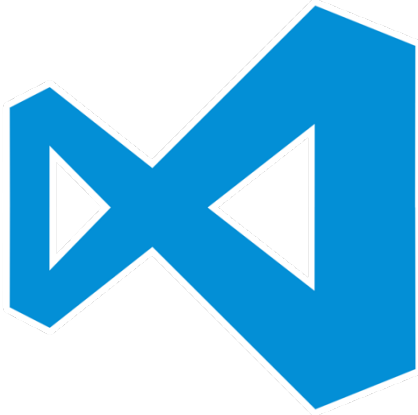
-g is a global install

Generators to create angular/node and ASP.NET 5 applications quickly

TypeScript to help with tooling

Learning More ?

JavaScript Build Automation with Gulp

More details on Node, NPM, Bower, Gulp

http://jpapa.me/gulpps

Ready for Code!