.NET CLI Common Commands (Windows, Linux & Mac OSX) & Software Installation

1. CLI Common Commands on Windows, Linux & Mac OSX
   A. dotnet restore
   This will restore all of the packages that are specified in the project.json file

   B. dotnet run
   This will run from the source of your restored nuget packages (Console or Web App)

   C. dotnet build
   Compiling to IL code is done with this command

   Good Reference for .NET CLI Command Explanation:
   http://www.hanselman.com/blog/ExploringTheNewNETDotnetCommandLineInterfaceCLI.aspx

2. .Net Core, Node.JS, Yeoman & ASP.NET Generator Installation

   A. Windows (
      1. Go to this URL: https://www.microsoft.com/net/core#windows
      2. Click the links to Install Visual Studio Community 2015, Nuget Manager Extension, & the .NET Core SDK for Windows.

Install for Windows

Install .NET Core SDK

Before you start

Remove all previous versions of .NET Core from your system by using Add/Remove programs.

Visual Studio users

The best way to develop with .NET Core on Windows is to download the Visual Studio official MSI Installer and the latest NuGet Manager extension for Visual Studio. If you don't have Visual Studio already, you can download Visual Studio Community 2015 for free.

Command line users

If you prefer to develop with the command line, you can download the .NET Core SDK for Windows.

3. Install Node.js: Go to this URL:
   https://nodejs.org/en/download/
   & Click the Windows Symbol & run through the installer.

4. Install Yeoman: Run this through your command line interface or node.js command line
   npm install -g yo

5. Install ASP.NET Generator via command line:
   npm install -g generator-aspnet

6. Generate ASP.NET Scaffolded App utilizing yeoman
   Yo aspnet

B. Linux (Ubuntu)(
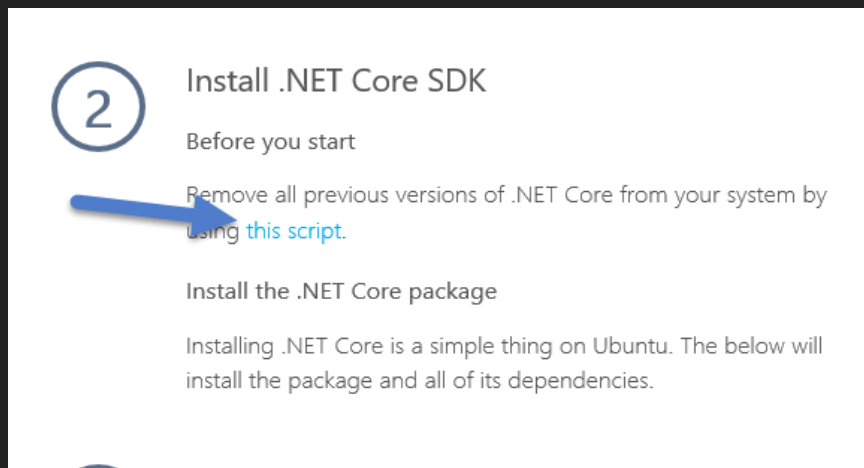   7. Go to this URL: https://www.microsoft.com/net/core#ubuntu

8. Add the new apt-get feed & run the command:
   sudo sh -c 'echo "deb [arch=amd64] https://apt-mo.trafficmanager.net/repos/dotnet/ trusty main" > /etc/apt/sources.list.d/dotnetdev.list'
   sudo apt-key adv --keyserver apt-mo.trafficmanager.net --recv-keys 417A0893
   sudo apt-get update

9. Install the SDK via command terminal. Click the remove script to remove previous versions of .NET Core.
   sudo apt-get install dotnet-dev-1.0.0-preview1-002702

10. Install Node.js: Run this in the command terminal
    sudo apt-get update
    sudo apt-get install nodejs
    sudo apt-get install npm

11. Install Yeoman: Run this through your command line interface or node.js command line
    Sudo npm install -g yo

12. Install ASP.NET Generator via command line:
    Sudo npm install -g generator-aspnet

13. Generate ASP.NET Scaffolded App utilizing yeoman

Yo aspnet

C. Mac OSX
    14. Go to this URL: https://www.microsoft.com/net/core#macosx

    15. Install Homebrew & Openssl
    /usr/bin/ruby -e "$(curl -fsSL
    https://raw.githubusercontent.com/Homebrew/install/master/install)"
    brew update
    brew install openssl
    brew link --force openssl

    16. Install the SDK via the official PKG package Click the remove
        script to remove previous versions of .NET Core.

    17. Install Node.js: Install Node.js: Go to this URL :
        https://nodejs.org/en/download/
        & Click the Apple Symbol & run through the installer.

18. Install Yeoman: Run this through your command line interface or node.js command line
    Sudo npm install -g yo

19. Install ASP.NET Generator via command line:
    Sudo npm install -g generator-aspnet

20. Generate ASP.NET Scaffolded App utilizing yeoman
    Yo aspnet