

NEXTCORE AI

Angular 6 Material –Enterprise Ready Web Apps

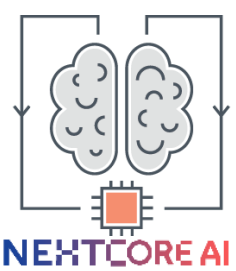
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we
BUILD



Setting up Developer Environment

- Single Page Application (SPA)
- Long Term Support (LTS)
- The Iceberg
 - APIs
 - Fluency
 - Memory Efficiency
 - Method references are awesome
- Framework Comparisons



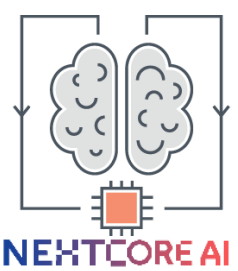
What will we learn first?

- Working with CLI package managers to install and update software:
 - Chocolatey on Windows 10
 - Homebrew on macOS X
- Using scripting to automate installation using:
 - Powershell on Windows 10
 - Bash on macOS X
- Achieving a consistent and cross-platform development environment



Setting up Developer Environment

- JavaScript ES2015+
- Frontend development basics
- RESTful APIs



OS supported

- Windows 10 Pro v1703+ with PowerShell v5.1+
- macOS Sierra v10.12.6+ with Terminal (Bash or Oh My Zsh)
- Most of the suggested software also works on Linux systems, but your experience may vary



Cross platforms supported

- Node 8.10+ (except non-LTS versions)
- npm 5.7.1+
- GitHub Desktop 1.0.0+
- Visual Studio Code v1.16.0+
- Google Chrome 64+



CLI – Chocolatey for Windows

- Launch the Start menu
- Start typing in PowerShell
- You should see Windows PowerShell Desktop App as a search result
- Right-click on Windows PowerShell and select Run as Administrator
- This will trigger a User Account Control (UAC) warning; select Yes to continue
- Execute the following command in PowerShell to install the Chocolatey package manager:

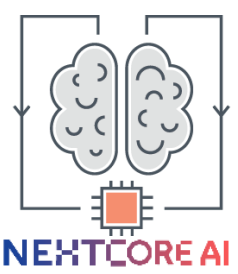


CLI Chocolatey Continued

- `PS> Set-ExecutionPolicy AllSigned; iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))` Start typing in PowerShell
- Verify your Chocolatey installation by executing `choco`
- You should see a similar output, as shown in the following screenshot:

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) 2016 Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> choco
Chocolatey v0.10.8
Please run 'choco -?' or 'choco <command> -?' for help menu.
PS C:\WINDOWS\system32>
```

CLI Chocolatey info

- For more information, refer to:
<https://chocolatey.org/install>.



Installing Homebrew for macOS

- Launch Spotlight Search with `⌘ + Space`
- Type in `terminal`
- Execute the following command in the Terminal to install the Homebrew package manager:
 - `$ /usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"`



Homebrew for macOS

- Verify your Homebrew installation by executing **brew**
- You should see a similar output, as follows:

```
du — du@dougi-mbp13 — ~ — -zsh — 80x24
[du@dougi-mbp13 ~> brew
Example usage:
  brew search [TEXT|/REGEX/]
  brew (info|home|options) [FORMULA...]
  brew install FORMULA...
  brew update
  brew upgrade [FORMULA...]
  brew uninstall FORMULA...
  brew list [FORMULA...]
```

- To enable access to additional software, execute the following command:
- **\$ brew tap caskroom/cask**
- **<https://brew.sh/>**