Node.js

## Introduction

This document covers

Introduction

## Cheat Sheets

### NPM

The npm command is the command-line client for node package manager. It is installed when we install node.js.

#### Npm Commands

|  |  |
| --- | --- |
| File/Folder/Command | Details |
| npm list -g | List all node packaged installed globally |
| npm list -g --depth 0 | List all top-level node packages installed globally |
| npm install | Install all packages specified in package.json |
| npm install typescript | Install package typescript and its dependencies |
| npm install -D typescript | Install package typescript as a development dependency only |
| npm list | Show all local packages and their dependencies |
| npm run | Run a script specified in package.json |

### NPX

The npx command is used to execute packages from the npm registry without locally installing them. The classic use case is create-react-app. If we did not use npx we would have to npm install it and then run it from local which is a bit painful.

#### JavaScript/Typescript Project Structure

|  |  |
| --- | --- |
| File/Folder/Command | Details |
| package.json | Describes a project’s top-level dependencies. These are packages that have been added to a project using npm install |
| package-lock.json | All package dependencies for the project |