

## node commands

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npm install

This will install all the packages specified in package.json

npm install protractor

This will install two command line tools locally, protractor and webdriver-manager.

Mostly we use local protractor to run the script

when running webdriver manager locally we use below commands:

node\_modules/.bin/webdriver-manager status

node\_modules/.bin/webdriver-manager clean

node\_modules/.bin/webdriver-manager help

node\_modules/.bin/webdriver-manager update help

node\_modules/.bin/webdriver-manager update --proxy http://xyz.com:8080

by default it installs/updates the latest version of chrome,gecko driver, and selenium standalone server

node\_modules/.bin/webdriver-manager update --ie --versions.standalone 3.4.0 --versions.ie 3.4.0

--ie: install only ie driver(by default latest version of ie 32 bit),--ie32,--ie64

node\_modules/.bin/webdriver-manager update --versions.chrome=76.0.3809.100

node\_modules/.bin/webdriver-manager update --ie

node\_modules/.bin/webdriver-manager start --seleniumPort=4444 //not needed in our case

//seleniumAddress = 'http://3.232.165.164:4444/wd/hub'; //not needed in our case

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<https://www.protractortest.org/#/>

we check installed protractor and webdriver-manager version:

protractor --version

webdriver-manager version

webdriver-manager start //(needed only when we want run via server otherwise directConnect:true (given in config file) is faster as script directly talks to chrome driver.)

This will start up a Selenium Server and will output a bunch of info logs. Your Protractor test will send requests to this server to control a local browser. You can see information about the status of the server at <http://localhost:4444/wd/hub>.

conf.js:

```
exports.config = {  
  seleniumAddress: 'http://localhost:4444/wd/hub',  
  specs: ['todo-spec.js']  
};
```

This configuration tells Protractor where your test files (specs) are, and where to talk to your Selenium Server (seleniumAddress). It will use the defaults for all other configuration. Chrome is the default

browser.

4) protractor.conf.js /in our case : protractor config/aoFeatures.conf.js

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To run test scripts by npm:

<https://michael-kuehnel.de/tooling/2018/03/22/helpers-and-tips-for-npm-run-scripts.html>

<https://css-tricks.com/why-npm-scripts/>

You can easily run scripts using npm by adding them to the "scripts" field in package.json and run them with npm run <script-name>. Run npm run to see available scripts. Binaries

```
{
  "name": "my-package",
  "scripts": {
    "lint": "eslint ."
  },
  "devDependencies": {
    "eslint": "^4.19.0"
  }
}
npm run lint
```

Options for npm scripts:

Passing options to used commands

You can pass options to the command you are using in your npm script by adding -- --flag like in the example below.

```
{
  "name": "my-package",
  "scripts": {
    "lint": "xo",
    "lint:fix": "npm run lint -- --fix",
  }
}
```

Adding the -- --fix option is like executing xo --fix.

npm run lint:fix

```
"ao": "protractor config/aoFeatures.conf.js",
"ao:int": "npm run ao -- --env int",
```

npm run ao:int

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directConnect: false,

```
capabilities: {
  'browserName': 'internet explorer',
  'platform': 'ANY',
  'version': '11'
},
```

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