For WedDrive r protocol

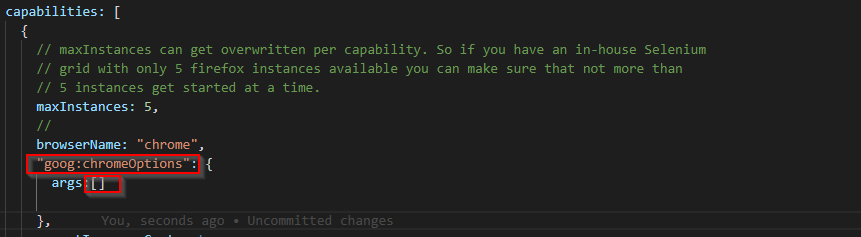
<https://www.w3.org/TR/webdriver2/>

[https://www.w3.org/TR/webdriver2/#capabilities](https://www.w3.org/TR/webdriver2/" \l "capabilities)

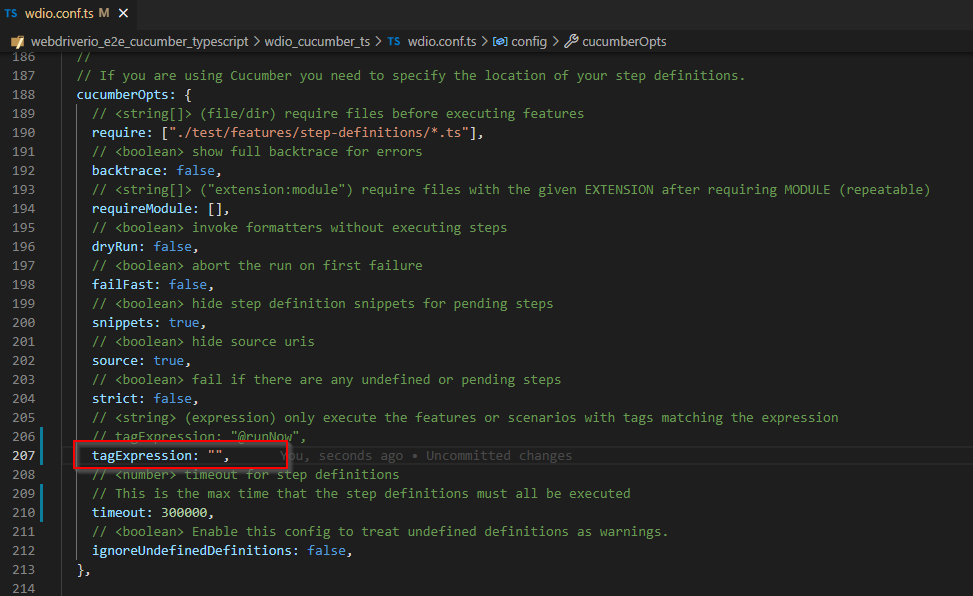
Chrome options:

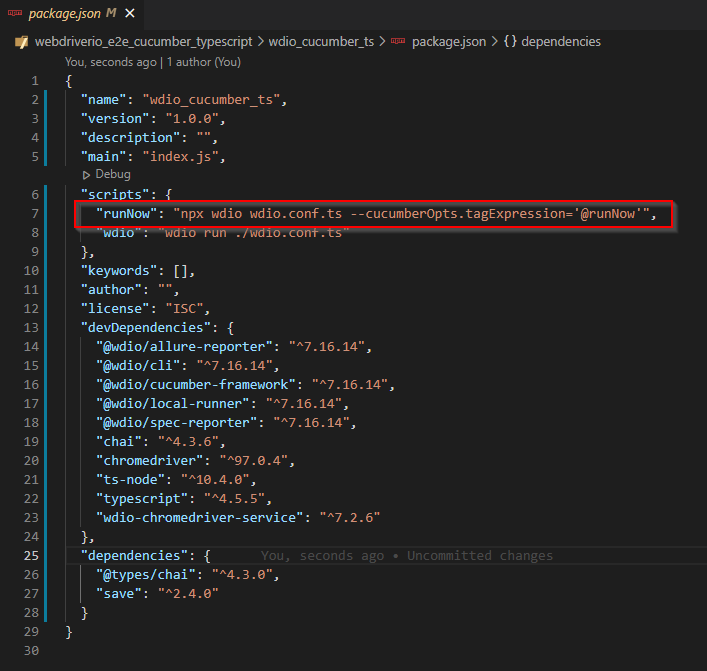
https://www.chromium.org/developers/how-tos/run-chromium-with-flags/

<https://peter.sh/experiments/chromium-command-line-switches/>

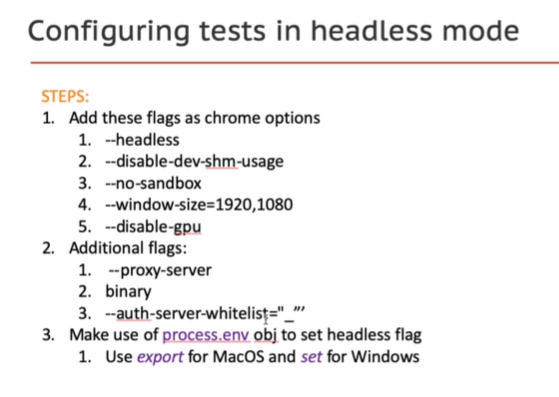


Set tagExpression=”” and add script to pass equivalent to via cmdline

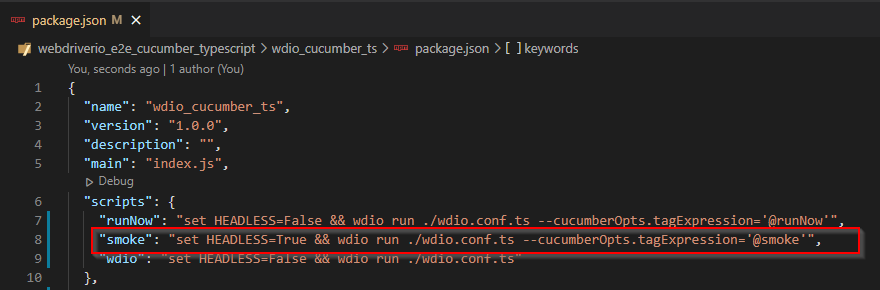




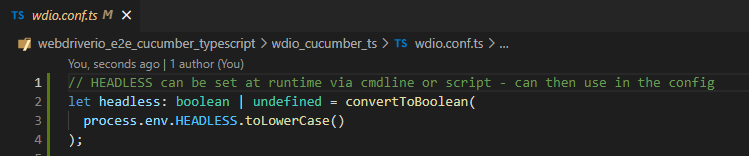
Headless Mode



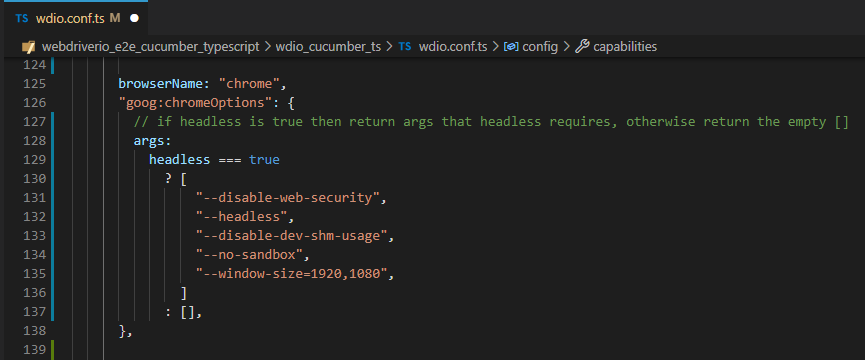
Set a ‘HEADLESS’ key in the process.env that can use during runtime and do what you need



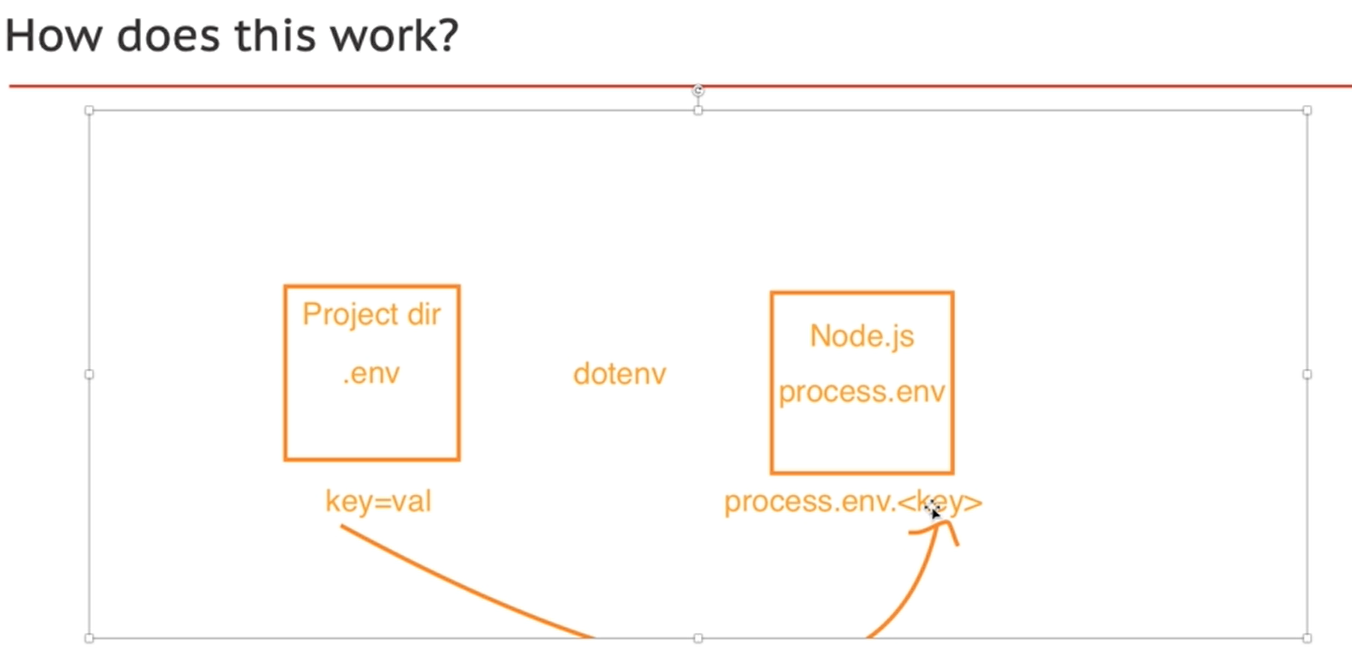
1st file called will be the wdio.conf.ts so can grab it there



And then use if(headless)

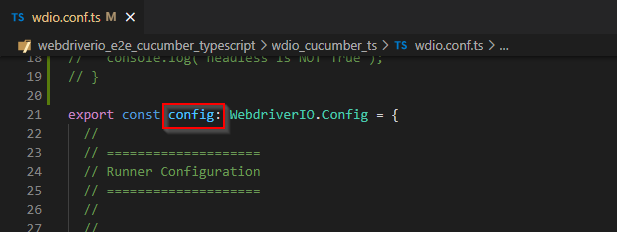


dotEnv loads env variables from .env file (same as if set via cmd line)

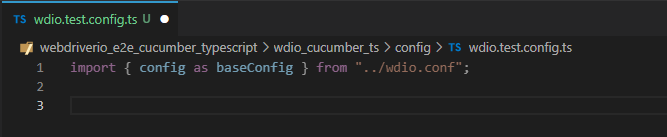


npm install dotenv --save

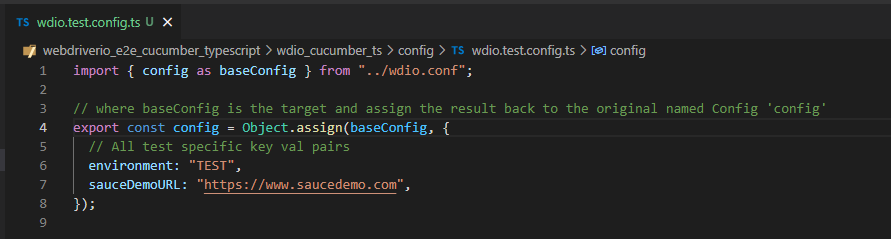
Merge config files for different environments

The general wdio.conf.ts is being exported as a named Config == ‘config’ 

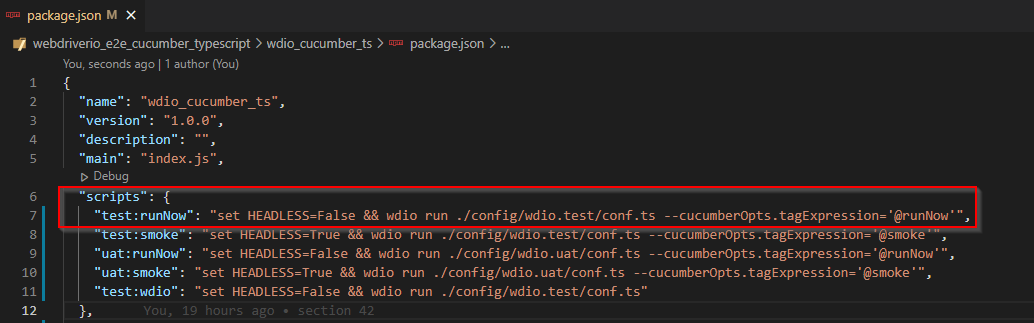
cannot use the same name otherwise will get a name conflict. Therefor use an alias ‘baseConfig’

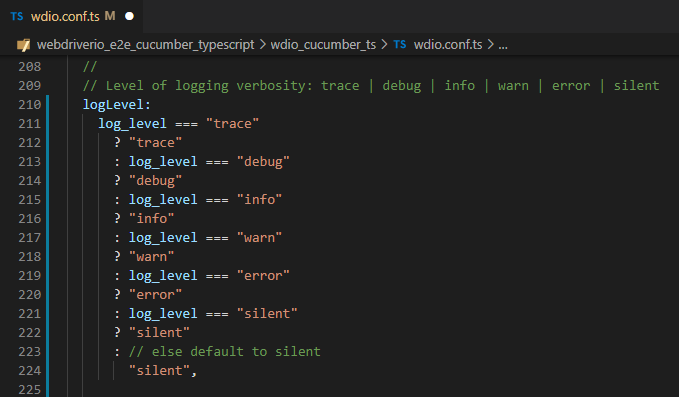


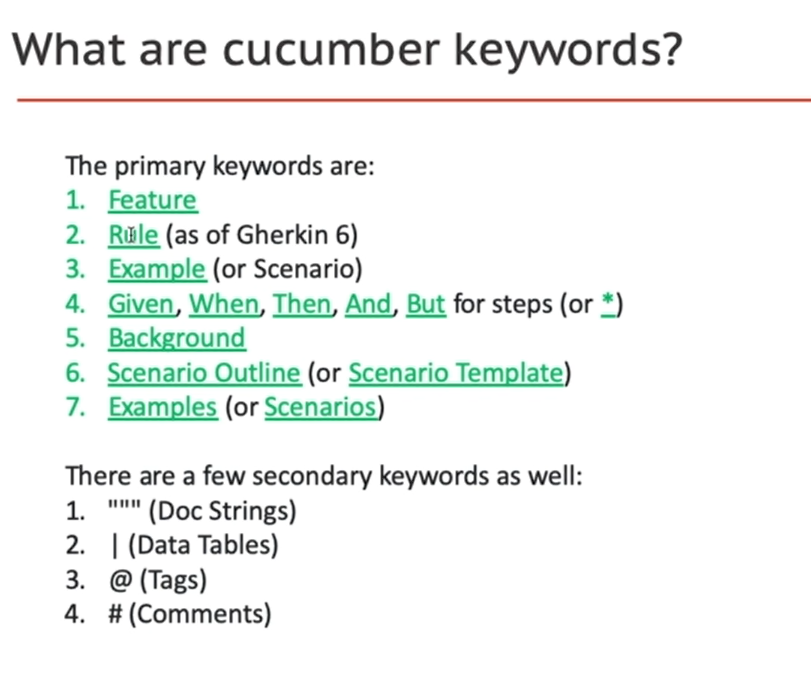
Then use assign to ‘merge’ any values into the config, otherwise will use base values

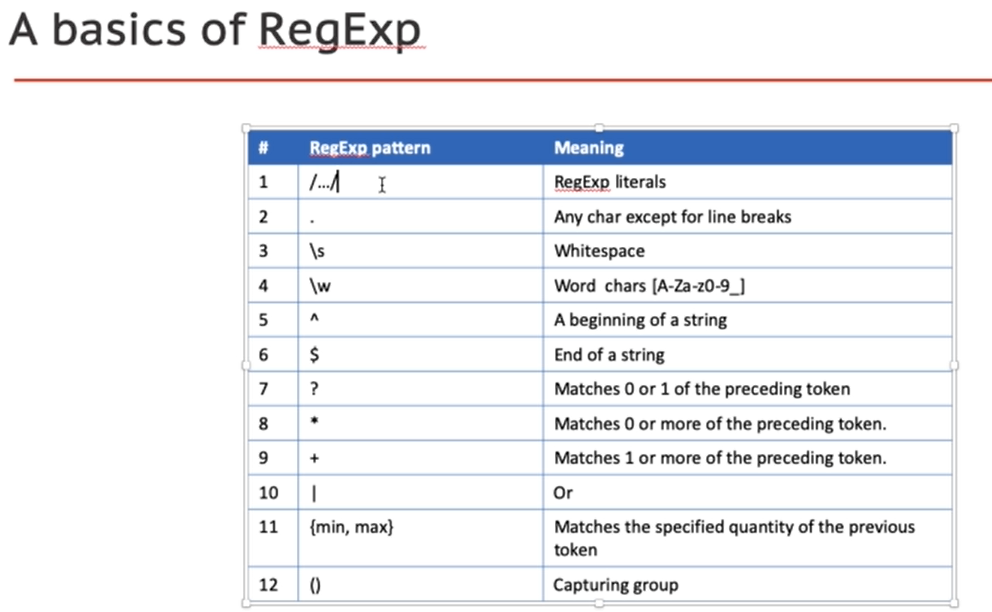


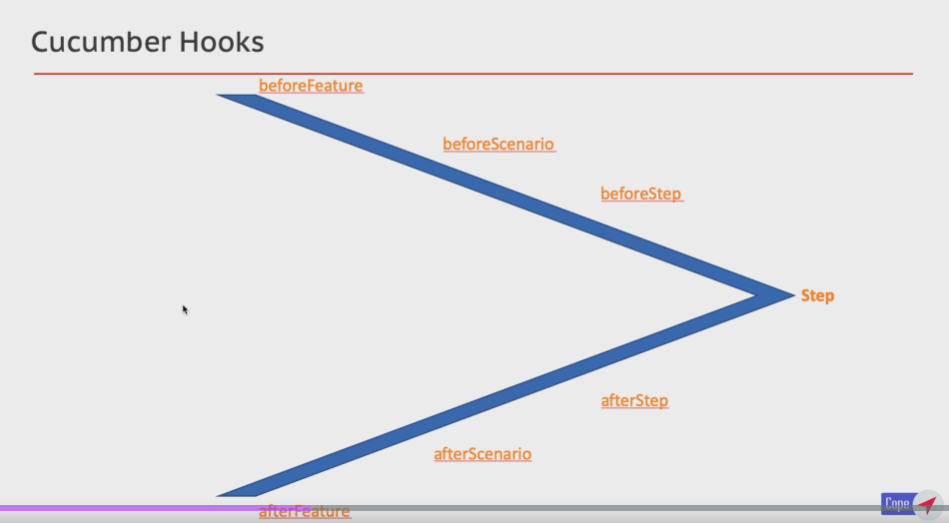
Update scripts to point to new config files

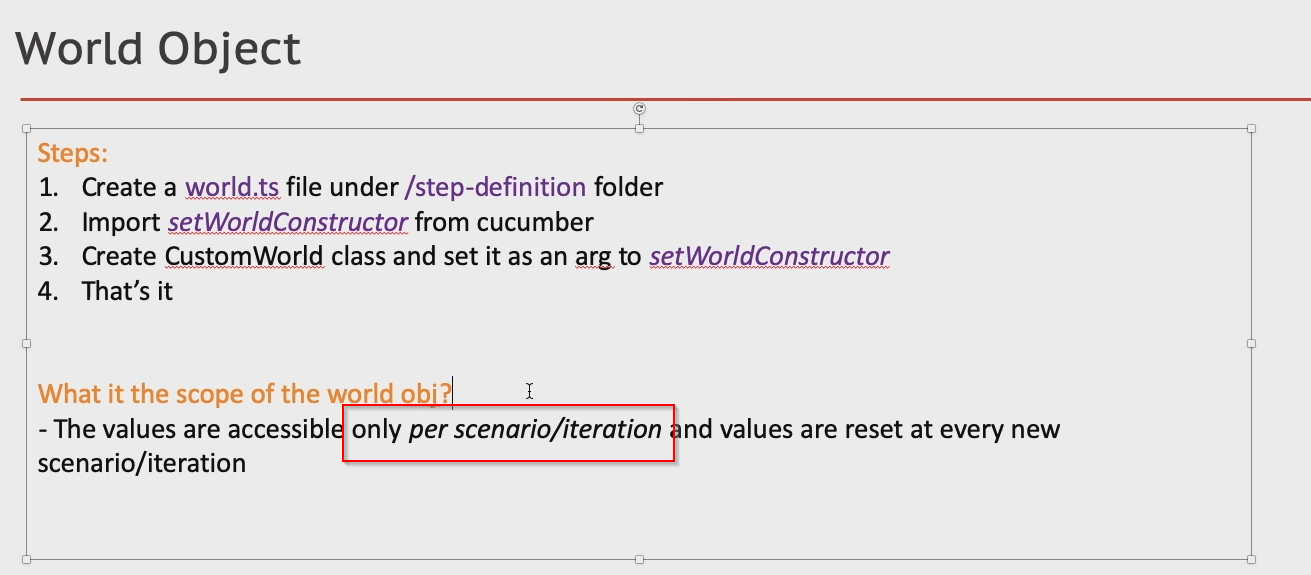


Can include other env parameters for example ‘log\_level’. Retrieve in same way and then set in config with nested ternary operator: 









Logger:

npm i --save-dev winston

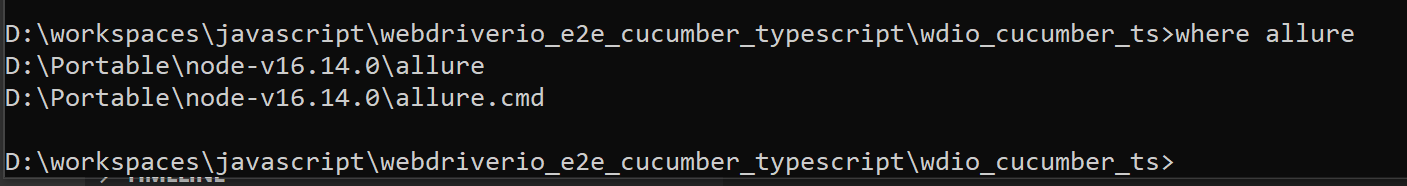
Allure reporting command line

the -g will make it available via the commandline (global install)

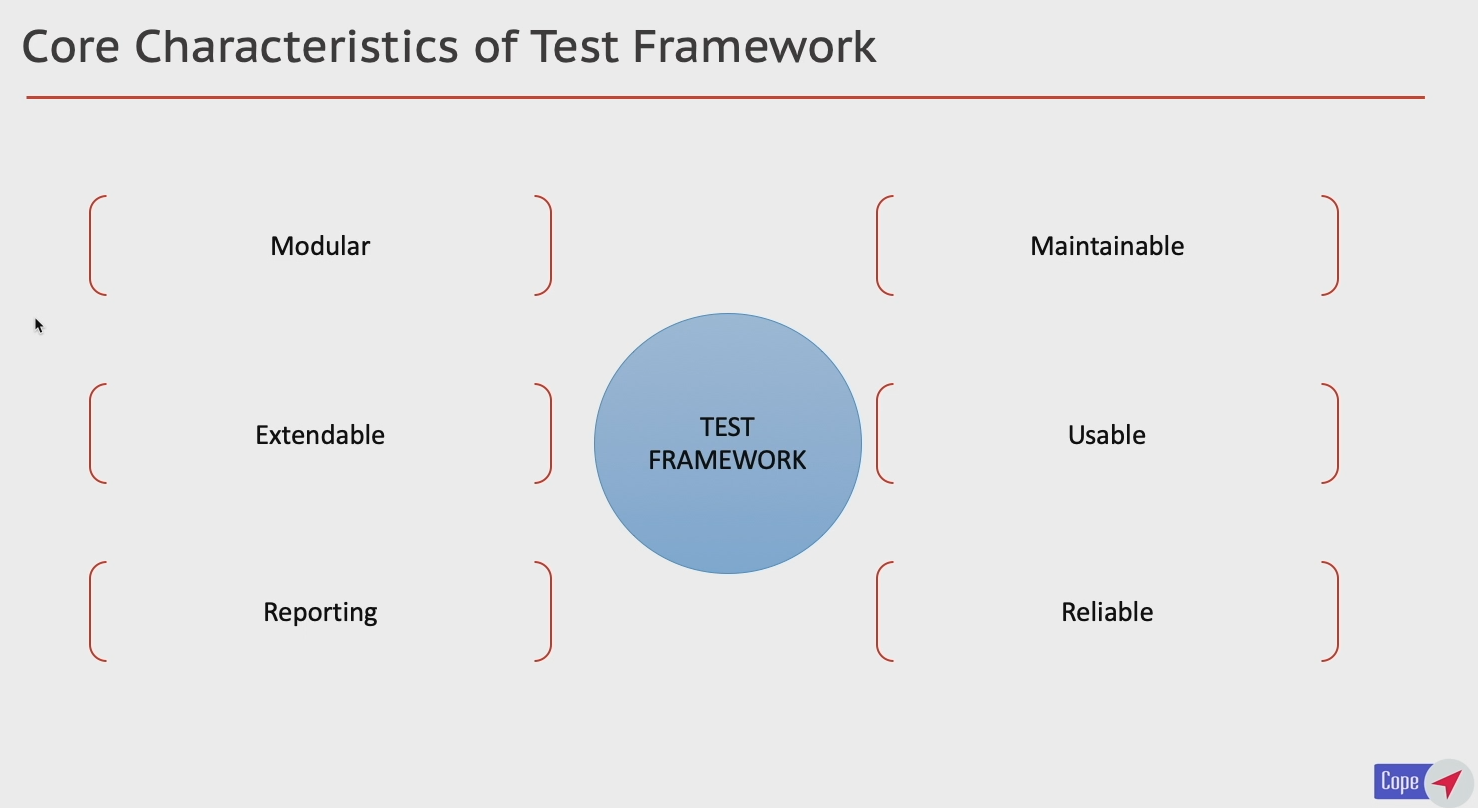
npm install -g allure-commandline –save-dev

look for package in windows:

where allure



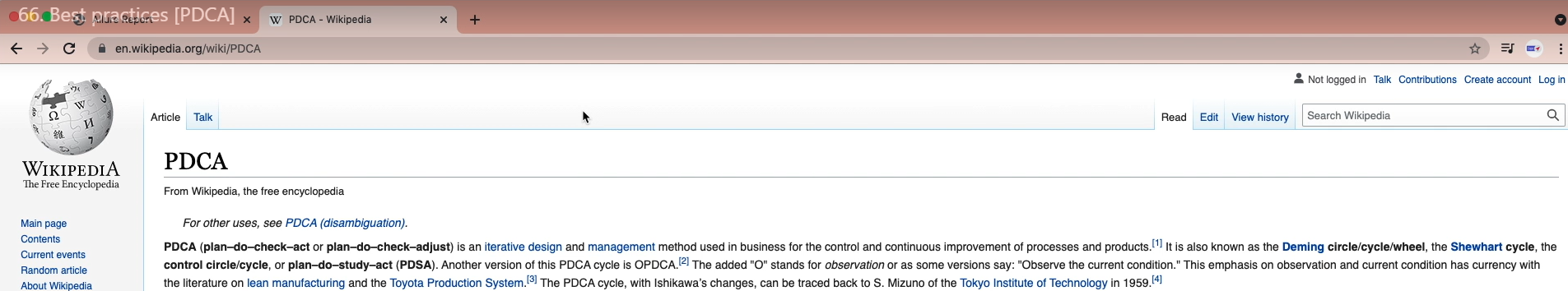
allure serve ./results/allure-results

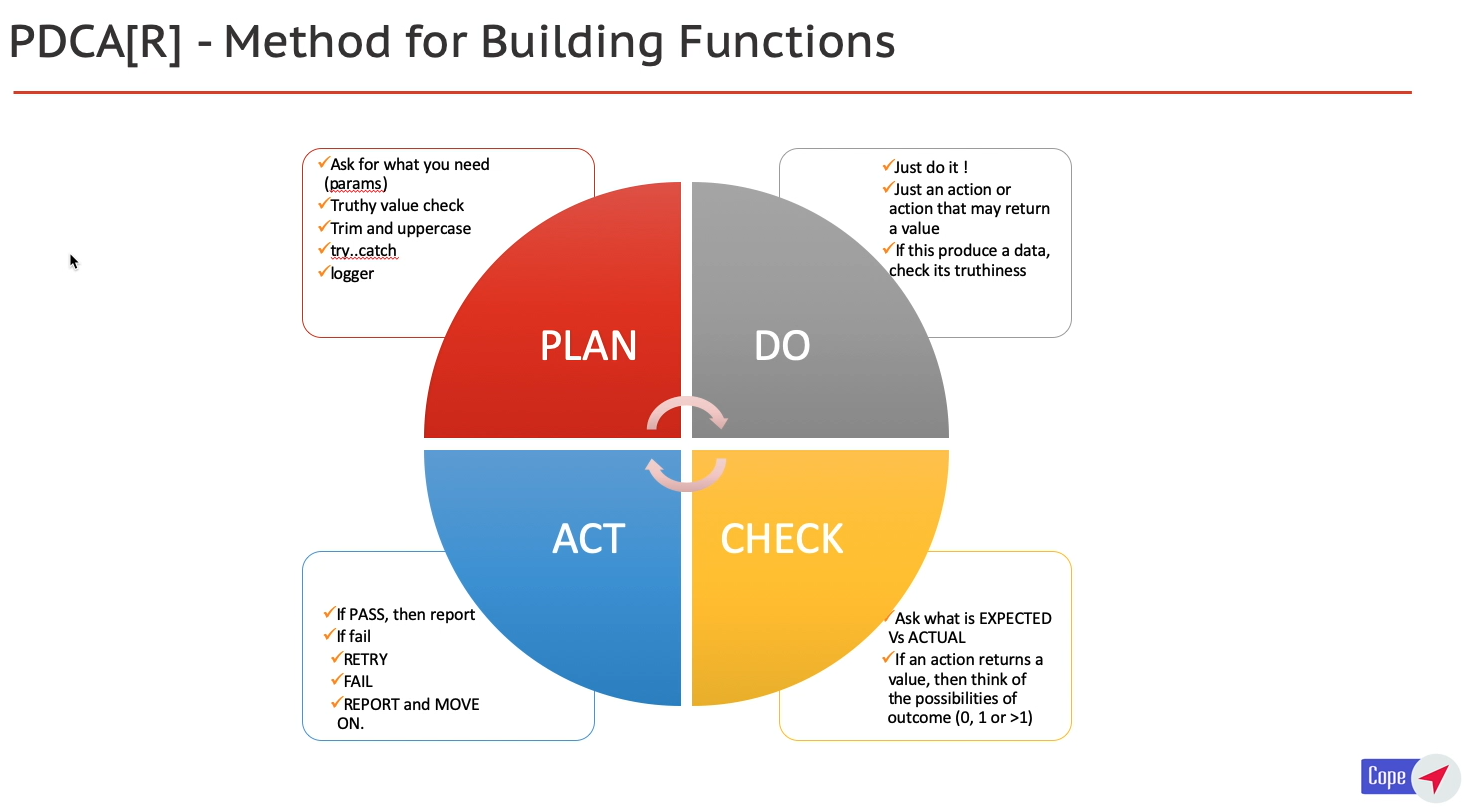


Modular – as levels of abstraction this makes it easier to maintain

Extendable – handle not only web – should cover all points of e2e

PDCA

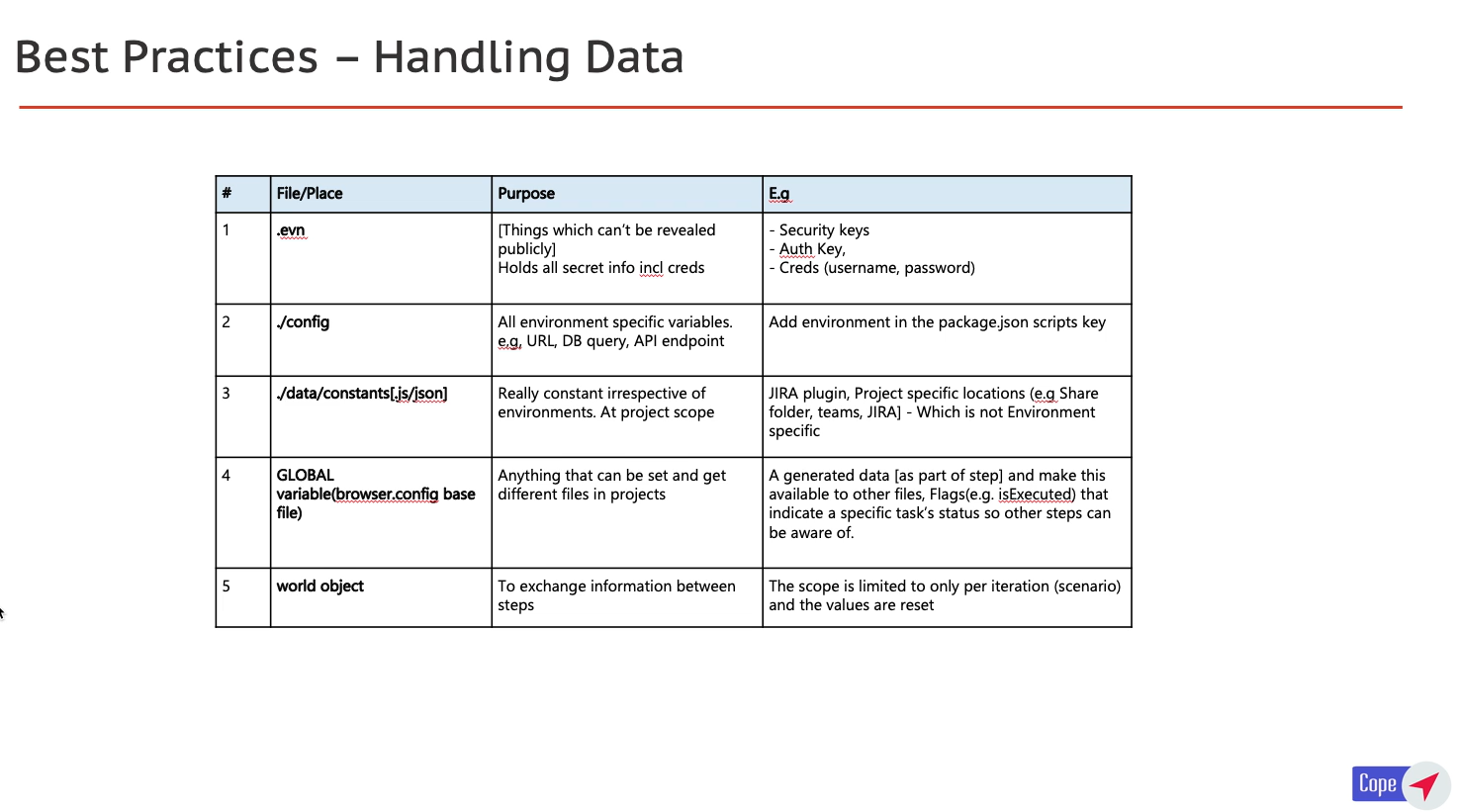




[R] – Report

Truthy – check the input data is valid

When do something – check that returned value is Truthy before pass onto somewhere else



API test package

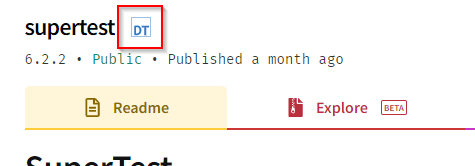
npm i supertest --save-dev

<https://www.npmjs.com/package/supertest>

lower level api used:

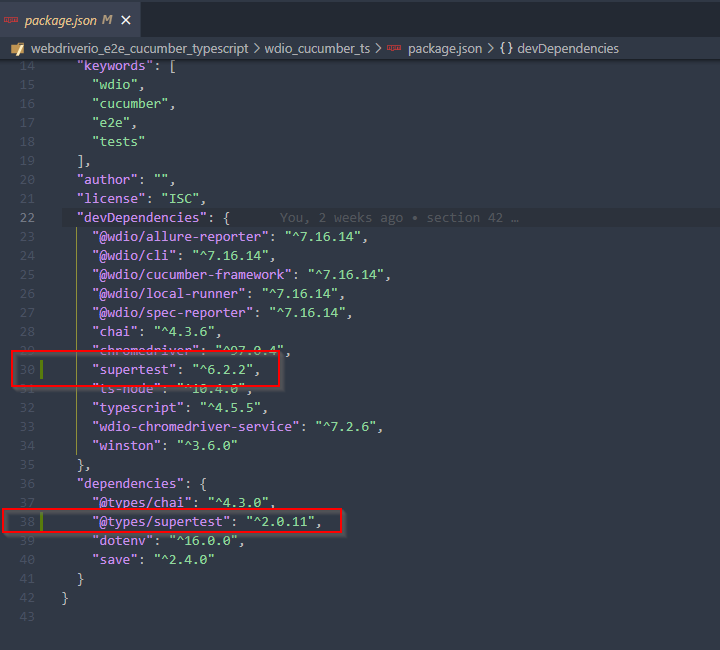
<https://visionmedia.github.io/superagent/>

DT - need to install types separately



<https://www.npmjs.com/package/@types/supertest>

npm install --save @types/supertest



ts-node is not recognised as an internal or external command

npm install -g ts-node

FireFox

https://www.npmjs.com/package/wdio-geckodriver-service

https://www.npmjs.com/package/geckodriver

c