

NIGHTWATCH

E2E Test Automation Framework built on Node



Andres Arias
@codefactorycr
aariasc@gmail.com

Thanks to our Sponsors!

Partners



Premier



PLURALSIGHT



SOFTWARE
TECHNOLOGY
GROUP



Marquee:



Microsoft



AGENDA

- What are E2E Automated Tests?
- What is Nightwatch?
- Why Nightwatch?
- Tools and resources
- Hands on example

ABOUT ME

- Coffee drinker
- Crazy cat guy
- Software Engineer since 2002
- Lead DevOps Engineer at Performance Matters
- Born in Costa Rica! Living in SLC since 2013



WHAT ARE E2E AUTOMATED TESTS?

End-to-end (E2E) testing is a methodology used to test whether the flow of an application is performing as designed from start to finish, identifying system dependencies and ensuring that the right information is passed between all system components.

E2E Automated Tests rely on the usage of special software to be able to run these tests in an automated and repeatable way.

WHAT IS NIGHTWATCH?



Nightwatch.js is a Node.js based End-to-End (E2E) testing solution for browser based apps and websites. It uses Selenium under the hood.

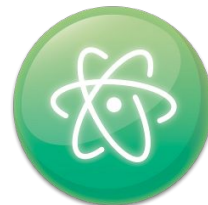
Some features include: built-in test runner, cloud services support (e.g. BrowserStack), CSS & XPath support and CI support.

More information: <http://nightwatchjs.org/>

WHY NIGHTWATCH?

Why yet another Test Automation framework?

- Make it easier for your team to adopt E2E testing by using tools and a language they are used to.
 - NPM for dependency management
 - Grunt for tasks
 - JSLint and ESLint for code linting
 - All the goodies included in Node (utils, lodash, jshint, etc)



TOOLS AND RESOURCES

My local environment:

- Node v8.9.1 / NPM v5.5.1
- Visual Studio Code with ESLint and JSHint plugins
- Docker with Chrome Debug Standalone container

Sample code available at

<https://github.com/aariasc/intro-to-nightwatch>

More info about the docker image

<https://hub.docker.com/r/selenium/standalone-chrome-debug/>

HANDS-ON EXAMPLE

THANKS!