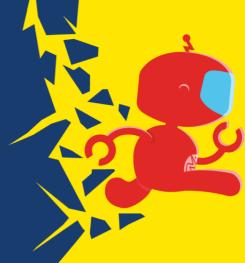
BREAK ON THROUGH



2020 KICKOFF

You, Too, Can Run an Automated Test

A Technical Overview of Sauce Labs for Non-Technical Users

Titus Fortner, Sr Solution Architect

Please go to:

https://saucelabs-training.github.io/



Example Code

The code lives here if you need to refer back to it later

https://github.com/saucelabs-training/kickoff2020-testing-intro/

What This Course Is Not...

- A programming class
 - The examples are in the Ruby programming language (because it is relatively easier to read)
- A development class
 - The environment is in GitPod (so we don't spend 2 hours setting up your laptop)
- A test automation class
 - This is just the bare minimum to get code running on Sauce Labs
 - This is not best practices
 - This will not scale

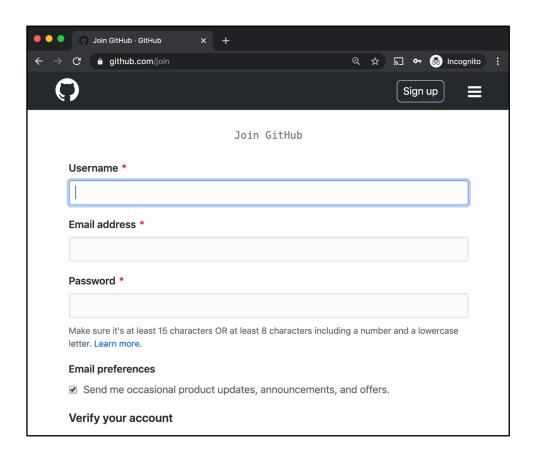




Setting Up a "Dev Environment"

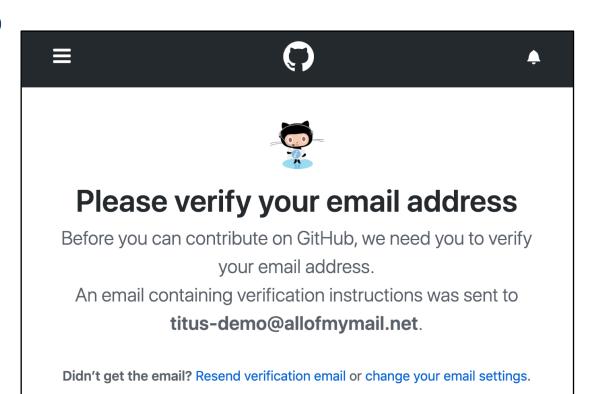
Sign up for GitHub

https://github.com/join



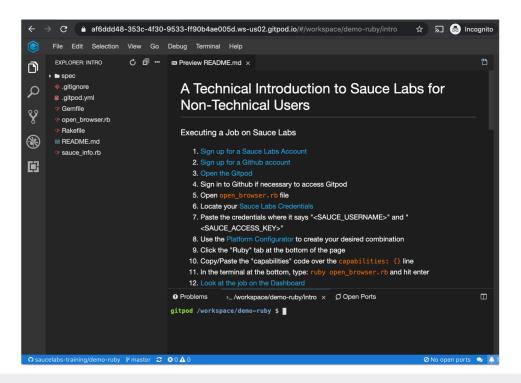
Sign up for GitHub

Verify Email Address



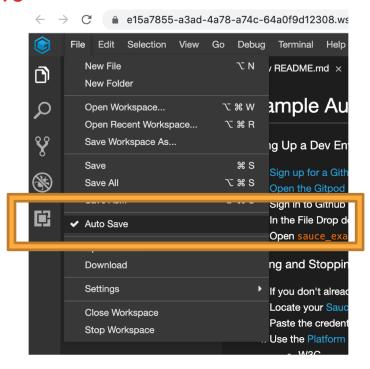
Open the GitPod

https://gitpod.io/#github.com/saucelabs-training/kickoff2020-testing-intro



Turn on Auto Save

File Menu → "Auto Save"



Open Sauce Example File

Click "sauce_example.rb" on the left side

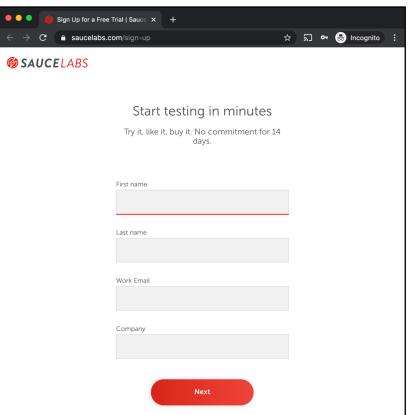
```
e15a7855-a3ad-4a78-a74c-64a0f9d12308.ws-us02.gitpod.io/#/workspace/l
 File Edit Selection View Go Debug Terminal Help
 EXPLORER: KICKOFF... O 🗊 ... 🖾 Preview README.md
                                                     require 'selenium-webdriver'
▶ ■ .theia
▶ ■ spec
 .gitignore
                                       # 1. Find username and access key here:
 ■ .gitpod.yml
 Gemfile
                                       sauce_username = "yourusername"
                                       sauce_access_key = "00000000-0000-0000-00
 Gemfile.lock
 Rakefile
                                       sauce_url = "https://" + sauce_username
 ■ README.md
 sauce_example.rb
                                       # 2. Copy and paste capabilities from: ht
                                       capabilities
                                       # name: "Testing Sauce Info",
                                       # build: "Kickoff Execution: 1"
                                       @driver = Selenium::WebDriver.for :remote
                                                                        url: sa
                                                                        desired
                                       @driver.get "https://www.saucedemo.com/"
```



Starting and Stopping a Sauce Session

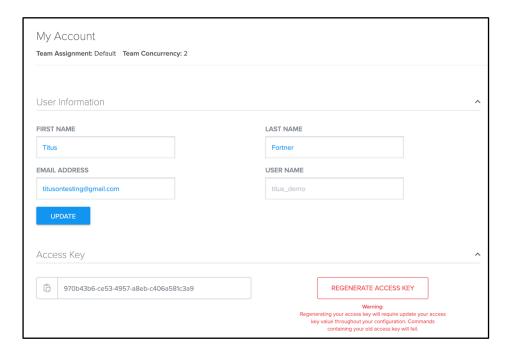
Sign up for Sauce Labs Trial

https://saucelabs.com/sign-up



Find Sauce Labs Credentials

https://app.saucelabs.com/user-settings



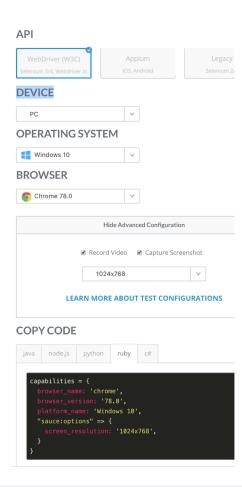
Past Credentials to GitPod

```
#
# 1. Find username and access key here: https://app.saucelabs.com/user-settings
#
sauce_username = "yourusername"
sauce_access_key = "00000000-0000-0000-0000-0000000000"
sauce_url = "https://" + sauce_username + ":" + sauce_access_key + "@ondemand.saucelabs.com:443/wd/hub"
```

```
#
# 1. Find username and access key here: https://app.saucelabs.com/user-settings
#
sauce_username = "titus-demo"
sauce_access_key = "2c58f558-e32f-4e7d-b8d0-5d3a9dfc3884"
sauce_url = "https://" + sauce_username + ":" + sauce_access_key + "@ondemand.saucelabs.com:443/wd/hub"
```

Use Platform Configurator

https://wiki.saucelabs.com/display/DOCS/ Platform+Configurator



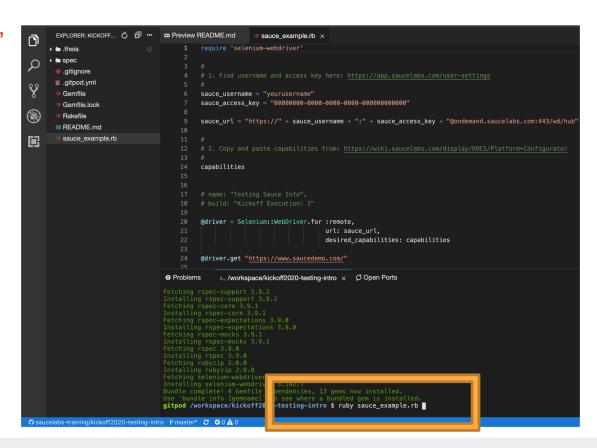
Add Credentials & Capabilities

```
#
# 2. Copy and paste capabilities from: https://wiki.saucelabs.com/display/DOCS/Platform+Configurator
#
capabilities
```

```
#
# 2. Copy and paste capabilities from: https://wiki.saucelabs.com/display/DOCS/Platform+Configurator
#
capabilities = {
    browser_name: 'chrome',
    browser_version: '78.0',
    platform_name: 'Windows 10',
    "sauce:options" => {
        screen_resolution: '1024x768',
    }
}
```

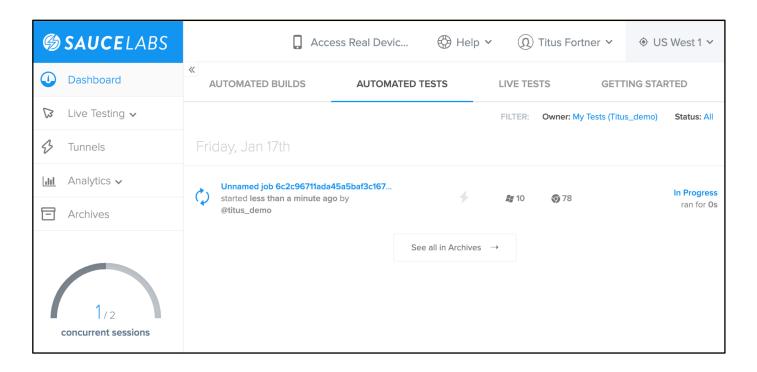
Execute Code

"ruby sauce_example.rb"



Watch Test Run

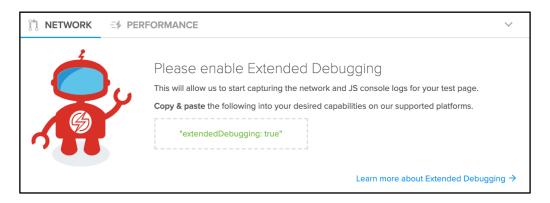
https://app.saucelabs.com/dashboard/tests

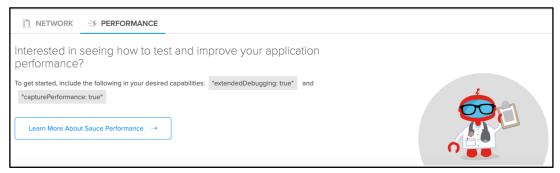


Sauce UI: Test Page

Things to Notice

- "Unnamed job"
- No Build Name
- "?" Instead of Result
- Empty Network Tab
- Empty Performance Tab







Adding Sauce Labs Options

Set Sauce Labs Configurations

https://docs.saucelabs.com/reference/test-configuration

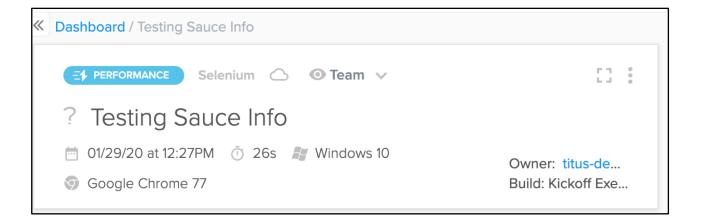
Option	Description	Key	Value	Example
	the performance of your jobs.			
Enable Extended Debugging	Extended debugging records HAR files for some browsers, as well as console, json logs. These are extremely valuable for debugging flaky tests. Default value is false. See Debugging Tests with JavaScript Console Logs and HAR Files (Extended Debugging) for more information.	extendedDebugging	boolean	"extendedDebugging": true
Enable Performance Capture	Sauce Performance Testing can be enabled by setting both extendedDebugging and capturePerformance to true. Default value is false. See Getting Started with Sauce Performance for more information.	capturePerformance	boolean	"capturePerformance": true

Set Sauce Labs Configurations

Uncomment / Copy / Paste Name & Build

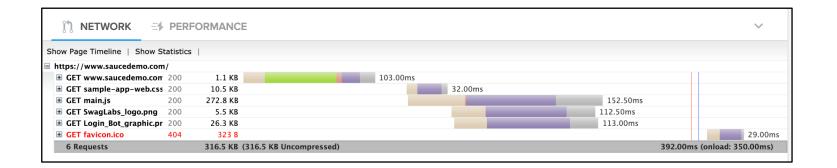
```
# 2. Copy and paste capabilities from: https://wiki.saucelabs.com/display/DOCS/Platform+Configurator
capabilities = {
    browser_name: 'chrome',
    browser_version: '77.0',
    platform_name: 'Windows 10',
    "sauce:options" => {
        screen_resolution: '1024x768',
        "extendedDebugging": true,
        "capturePerformance": true,
        name: "Testing Sauce Info",
        build: "Kickoff Execution: 1"
    }
}
```

Look at Test View



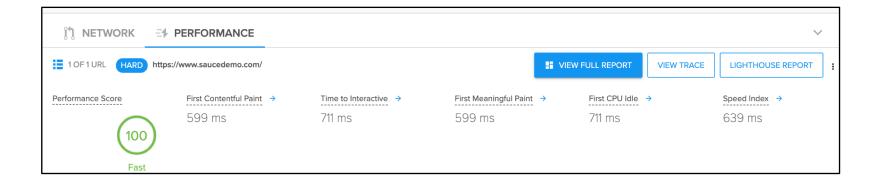
Look at Network View

(click on Network Tab at Bottom)



Look at Performance View

(click on Performance Tab at Bottom)

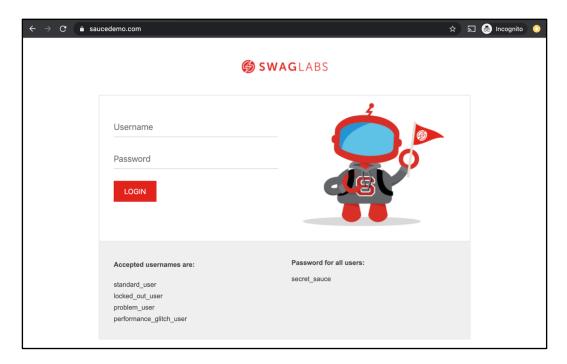




Running a "Real" Test

Go to Sauce Demo

http://saucedemo.com



Uncomment Remaining Code

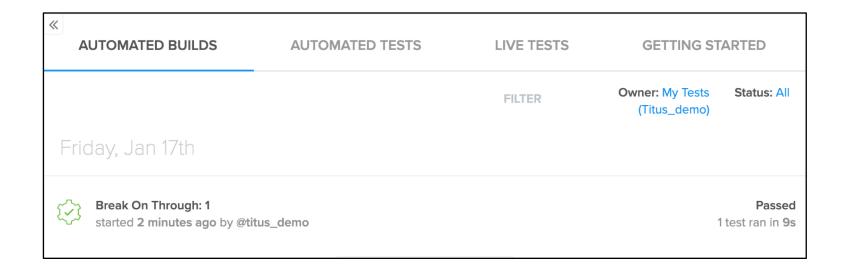
Uncomment Remaining Code

```
@driver.find_element(id: 'user-name').send_keys('standard_user')
@driver.find_element(id: 'password').send_keys('secret_sauce')
@driver.find_element(css: "[type='submit']").click

actual_result = @driver.current_url == "https://www.saucedemo.com/inventory.html" ? "passed" : "failed"
@driver.execute_script("sauce:job-result=#{actual_result}")
@driver.quit
```

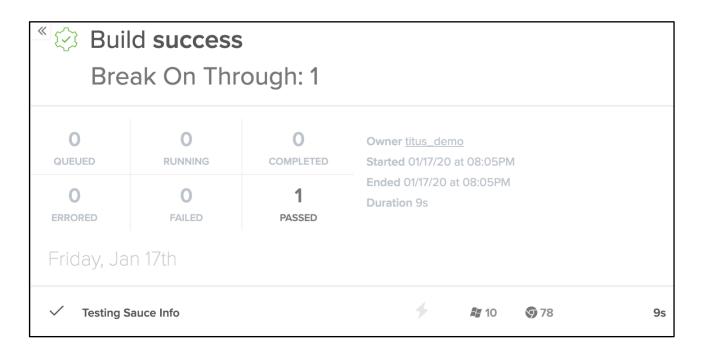
Look at Build List

https://app.saucelabs.com/dashboard/builds



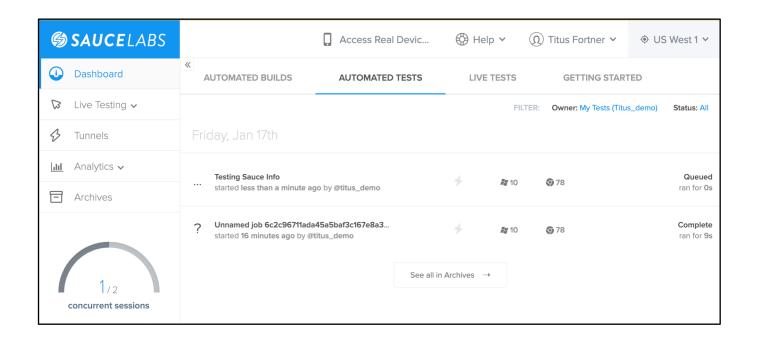
Look at Build View

(click on build from Build List)



Watch Test Run

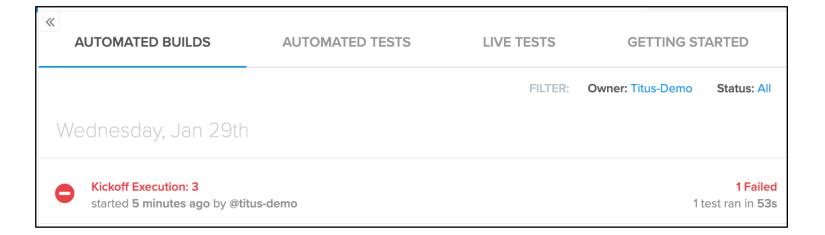
https://app.saucelabs.com/dashboard/tests





Try making changes

Look at Build List



Look at Build View

(click on build from Build List)

