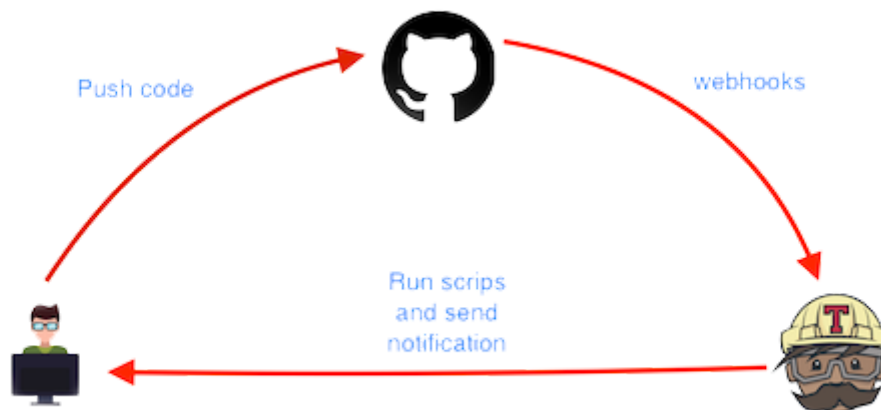
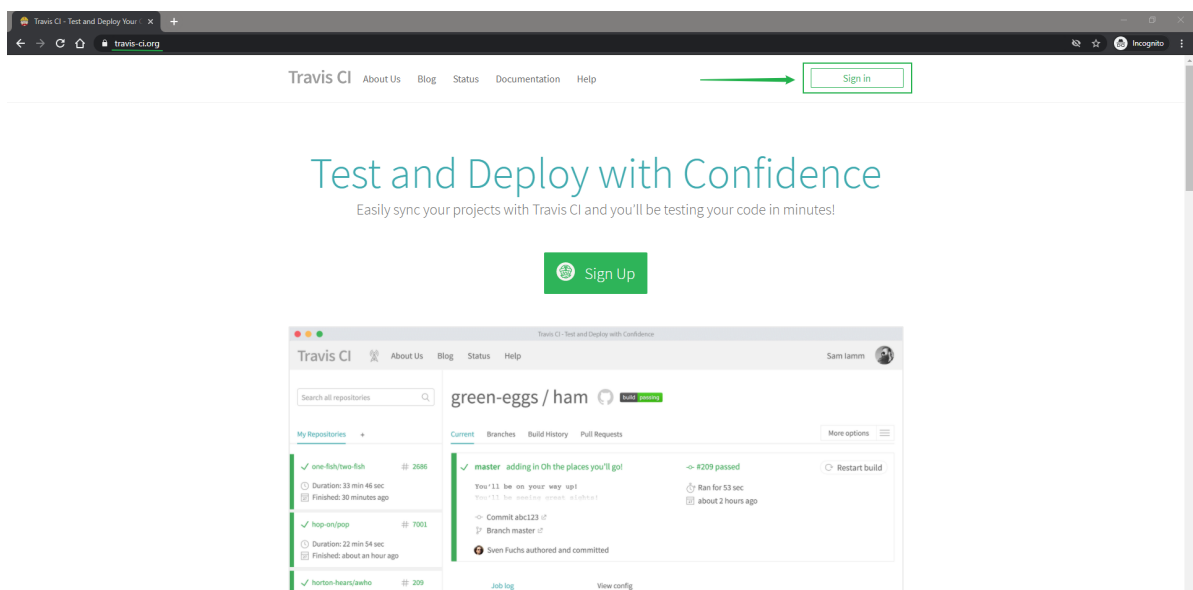


Travis CI

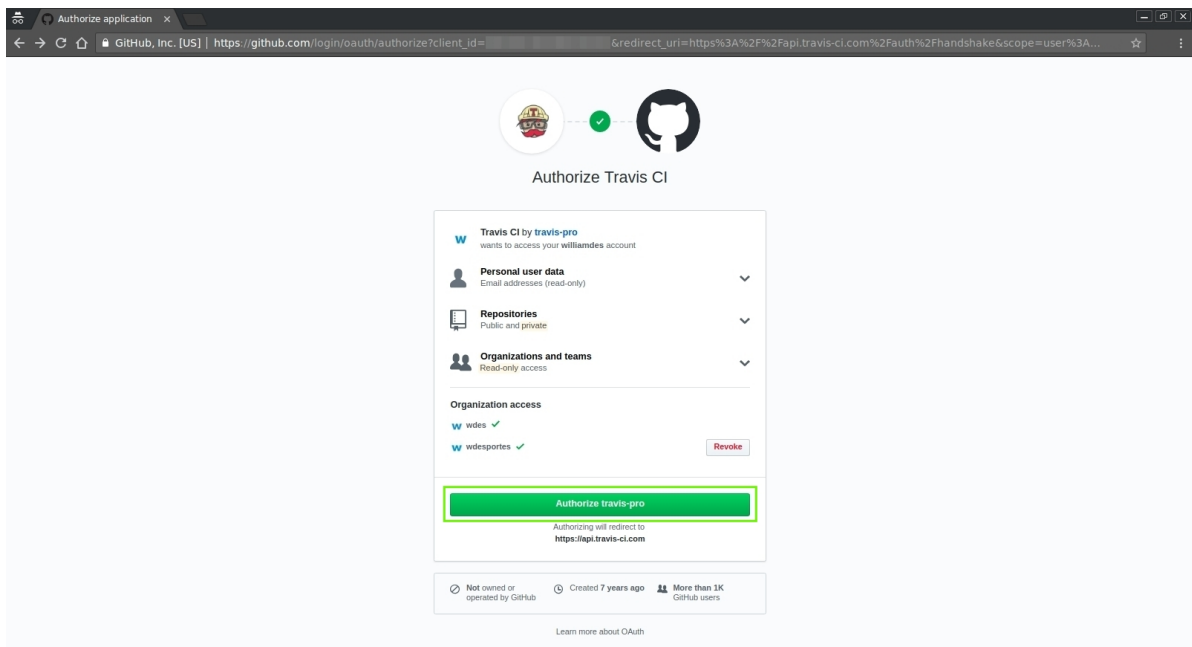


Các bước thực hiện

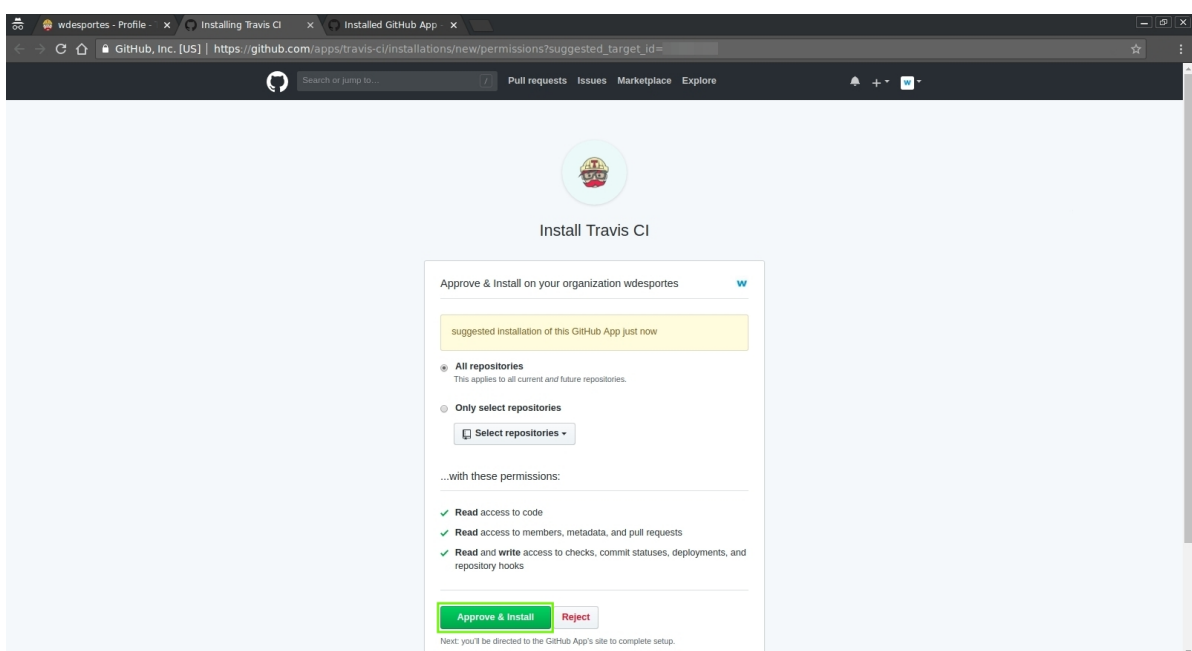
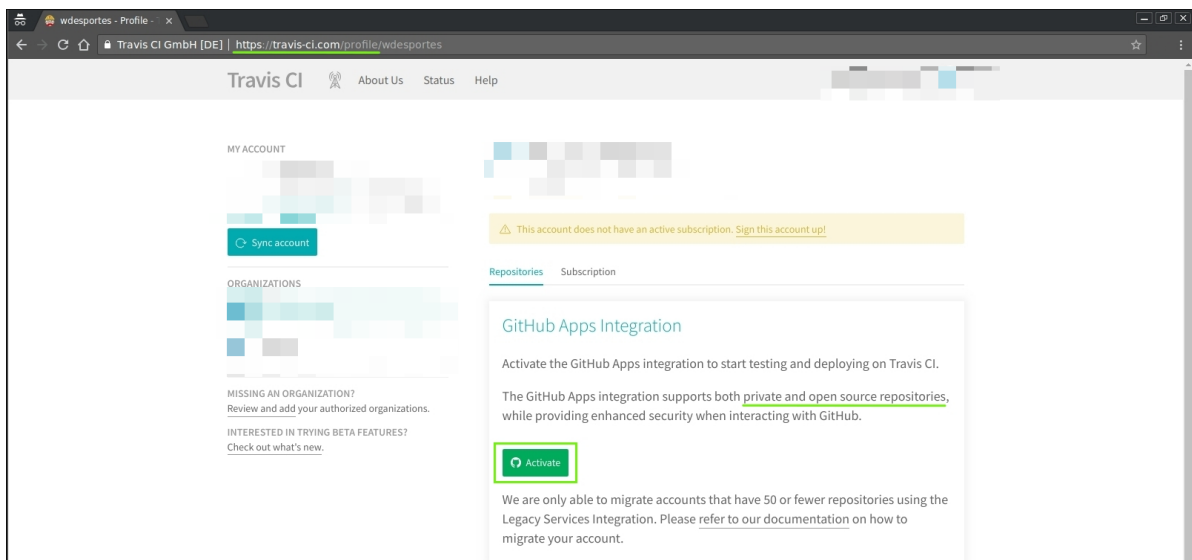
1. Vào trang **Travis CI** với đường dẫn <https://travis-ci.org/>



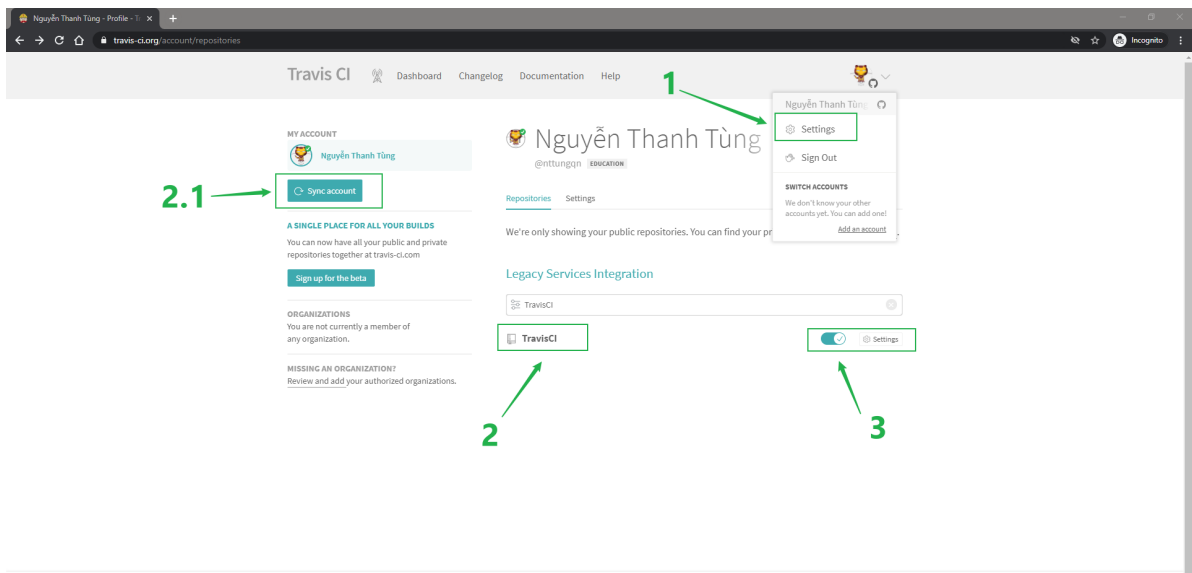
2. Xác thực kết nối đến **GitHub**



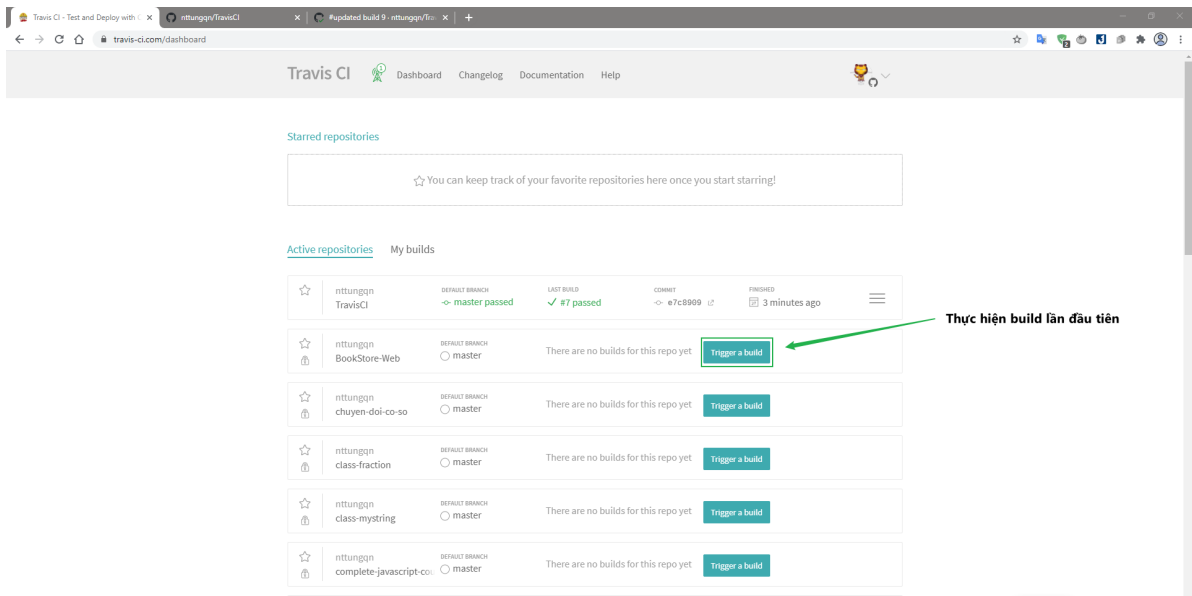
3. Cấp quyền *active* cho **Travis CI** để lấy thông tin các repositories từ **Github** về



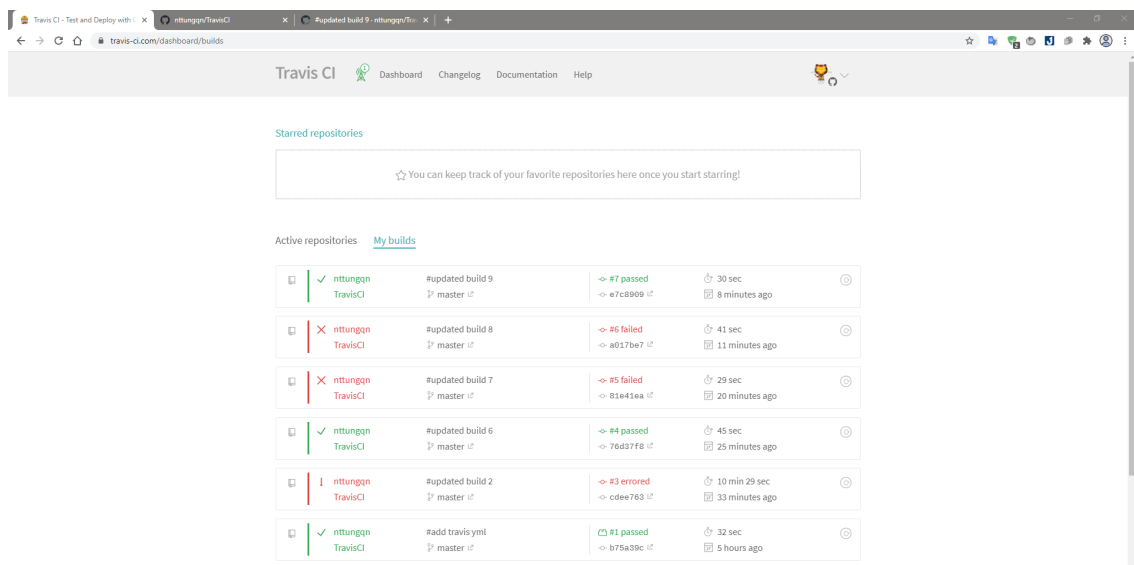
4. Chọn repository để test, ở đây mình chọn **TravisCI**



5. Thực hiện build lần đầu



6. Lịch sử những lần build



7. Dashboard build

Repository

Số lần build

Status: Restart/ Cancel

Commit & branch

Node version & chip

Thời gian chạy & commit

Job log

8. Job log

- Pass

```

Job log
View config

> 1 Worker information
> 7 Build system information
161
162
163 $ git clone --depth=50 --branch=master https://github.com/nttungqn/TravisCI.git nttungqn/TravisCI
173
174
175 $ npm install 14
181
182 Setting up build cache
183
184 $ node --version
185 v14.15.1
186 $ npm --version
187 6.14.8
188 $ npm --version
189 6.14.8
190 $ npm install
213
214 $ npm test
215
216 > c:\cd\0.0.0 test /home/travis/build/nttungqn/TravisCI
217 > node hello.test.js
218
219 TAP version 13
220 # (anonymous)
221 ok 1 should be strictly equal
222
223 1.1
224 # tests 1
225 # pass 1
226
227 # ok
228
229 The command "npm test" exited with 0.
230 store build cache
231
232 Done. Your build exited with 0.
  
```

- Fail

```

189
190 $ node --version
191 v14.15.1
192 $ npm --version
193 6.14.8
194 $ npm --version
195 6.14.8
196 $ npm install
213
214 $ npm test
215
216 > c:\cd\0.0.0 test /home/travis/build/nttungqn/TravisCI
217 > node hello.test.js
218
219 TAP version 13
220 # (anonymous)
221 not ok 1 should be strictly equal
222 ---
223   operator: equal
224   expected: 'Hello Travis Cia'
225   actual:   'Hello Travis CI'
226   at: Test.<anonymous> (/home/travis/build/nttungqn/TravisCI/hello.test.js:5:9)
227   stack:
228     - Error: should be strictly equal
229       at Test.assert [as _assert] (/home/travis/build/nttungqn/TravisCI/node_modules/tape/lib/test.js:260:54)
230       at Test.bound [as _assert] (/home/travis/build/nttungqn/TravisCI/node_modules/tape/lib/test.js:84:32)
231       at Test.strictEqual (/home/travis/build/nttungqn/TravisCI/node_modules/tape/lib/test.js:424:10)
232       at Test.bound [as equal] (/home/travis/build/nttungqn/TravisCI/node_modules/tape/lib/test.js:84:32)
233       at Test.<anonymous> (/home/travis/build/nttungqn/TravisCI/hello.test.js:5:8)
234       at Test.bound [as cb] (/home/travis/build/nttungqn/TravisCI/node_modules/tape/lib/test.js:84:32)
235       at Test.run (/home/travis/build/nttungqn/TravisCI/node_modules/tape/lib/test.js:101:31)
236       at Test.bound [as run] (/home/travis/build/nttungqn/TravisCI/node_modules/tape/lib/test.js:84:32)
237       at Immediate.next [as _onImmediate] (/home/travis/build/nttungqn/TravisCI/node_modules/tape/lib/results.js:55:19)
238       at processImmediate (internal/timers.js:461:21)
239
240 1.1
241 # tests 1
242 # pass 0
243 # fail 1
244
245 npm ERR! Test failed. See above for more details.
246 The command "npm test" exited with 1.
247 store build cache
248
249 Done. Your build exited with 1.
  
```

TravisCI Project

1. Cấu trúc thư mục

```
TravisCI
|_.travis.yml
|_hello.js
|_package.json
|_hello.test.js
|_other_files
```

2. File `hello.js`

```
function hello() {
  return "Hello Travis CI";
}

module.exports = hello;
```

3. File `hello.test.js`

```
const tape = require("tape");
const hello = require("./hello.js");

tape(function (test) {
  test.equal(hello(), "Hello Travis CI");
  test.end();
});
```

5. File `package.json`

```
{
  "name": "travisci",
  "version": "1.0.0",
  "description": "",
  "main": "hello.js",
  "dependencies": {
    "tape": "^5.0.1"
  },
  "devDependencies": {},
  "scripts": {
    "test": "node hello.test.js"
  },
  "repository": {
    "type": "git",
    "url": "git+https://github.com/nttungqn/TravisCI.git"
  },
  "author": "",
  "license": "ISC",
  "bugs": {
    "url": "https://github.com/nttungqn/TravisCI/issues"
  },
  "homepage": "https://github.com/nttungqn/TravisCI#readme"
}
```

5. Tạo file `.travis.yml`

```
language: node_js
node_js:
  - "node"

# optional -----
env:
  - MY_VAR=EverythingYouWant
  - NODE_ENV=TEST
  ...

os: osx

# blacklist
branches:
  except:
    - legacy
    - experimental

# safelist
branches:
  only:
    - master
    - stable

# enable services (stuff like DBs, MQs)
services:
  - mongodb      # will start mongodb
  - rabbitmq     # will start rabbitmq-server
```

- Ở đây mình dùng nodejs nên set language là ngôn ngữ **node_js**
- Dòng tiếp theo là version thì tùy vào phiên bản bạn muốn sử dụng mà có thể điền số tương ứng với phiên bản, **"node"** có nghĩa là đang sử dụng bản nodejs mới nhất
- Tiếp theo **env** là set các biến môi trường khi cần thiết
- Ngoài ra ta có thể cấu hình nhiều thứ khác nữa như **script, cache,..** mặc định khi test nó chạy lệnh **npm test**