

Travis CI

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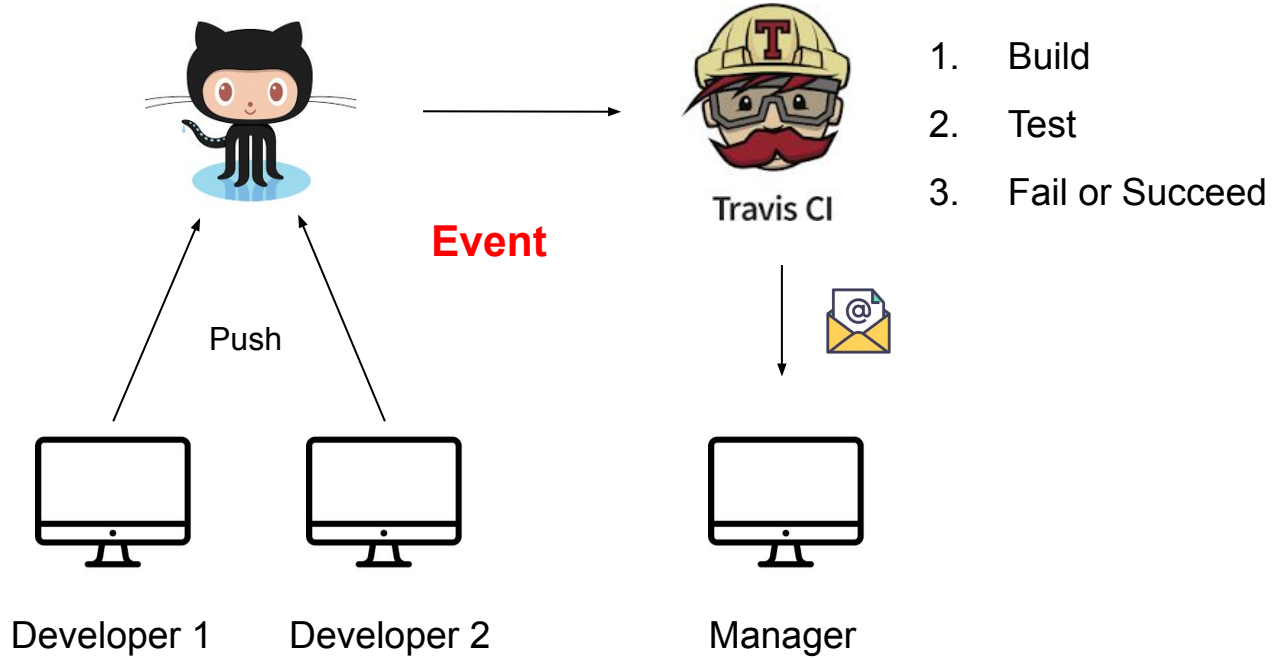
Travis CI ?

- Github 에서 진행되는 프로젝트를 위한 지속적인 통합(CI) 위한 도구
- 테스트, 빌드, 배포를 자동화
- Ruby, JAVA, Node.js, Python, PHP, Go

* CI : Continuous Integration

* 다른 CI tool : Jenkins

Travis Process














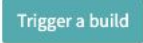
Travis 사용법

- Travis CI 홈페이지에서 GitHub 계정으로 회원가입
- travis 와 GitHub Repository 를 연동
- 프로젝트 최상단 Repository 에 .travis.yml 작성

Active repositories

My builds

<https://travis-ci.com>

| | | | | | | |
|--|----------------------------------|---|---|---|--|---|
|   | Jiheon-Lee Ruby-Autograding | DEFAULT BRANCH  master passed | LAST BUILD  #7 passed | COMMIT  5e9b771  | FINISHED  55 minutes ago |  |
|  | Jiheon-Lee gc_project_chatbot | DEFAULT BRANCH <input type="radio"/> master | There are no builds for this repo yet | |  | |
|  | Jiheon-Lee database-101 | DEFAULT BRANCH <input type="radio"/> master | There are no builds for this repo yet | |  | |

Travis 적용 (Fail)

The screenshot displays the Travis CI dashboard for the repository 'Jiheon-Lee / Ruby-Autograding'. The top navigation bar includes links for Dashboard, Changelog, Documentation, and Help. A search bar is located on the left. The main content area shows the 'Current' build status as 'build failing'. Below this, the build log is visible, showing the commit '0a6e1ce' and the build system information. The build log indicates that the build failed at step 3, 'master Modify .prettierrc options'. The error message is 'Still Failing: Jiheon-Lee/Ruby-Autograding#3 (master - 0a6e1ce) - Jiheon-Lee / Ruby-Autograding master Build #3 is still failing 27 sec'. The build log also shows the command 'git clone --depth=50 --branch=master https://github.com/Jiheon-Lee/Ruby-Autograding.git Jiheon-Lee/Ruby-Autograding' and the output 'Installing SSH key from: default repository key Using /home/travis/.netrc to clone repository.'

Travis CI

Dashboard Changelog Documentation Help

Search all repositories

My Repositories Running (0/0) +

✖ Jiheon-Lee/Ruby-Autograding # 3

⌚ Duration: 27 sec

📅 Finished: 5 days ago

○ Jiheon-Lee/TIL

⌚ Duration: -

○ Jiheon-Lee/WAI-Automated-Sc...

⌚ Duration: -

○ Jiheon-Lee/Jiheon-Lee

⌚ Duration: -

○ Jiheon-Lee/Gachon_CSS0_Pyth...

⌚ Duration: -

○ Jiheon-Lee/action-test

⌚ Duration: -

○ Jiheon-Lee/2020_database_cla...

⌚ Duration: -

Still Failing: Jiheon-Lee/Ruby-Autograding#3 (master - 0a6e1ce) - Jiheon-Lee / Ruby-Autograding master Build #3 is still failing 27 sec

Still Failing: Jiheon-Lee/Ruby-Autograding#2 (master - f864d31) - Jiheon-Lee / Ruby-Autograding master Build #2 is still failing 28 sec

build failing

Current Branches Build History Pull Requests

✖ master Modify .prettierrc options

🔗 Commit 0a6e1ce

🔗 Compare f864d31..0a6e1ce

🔗 Branch master

👤 Jiheon Lee

🔗 Node.js

🔗 AMD64

🔗 #3 failed

🕒 Ran for 27 sec

📅 5 days ago

⌚ Restart build

🔗 Debug build

Job log View config

```
1 Worker information
6
7 Build system information
161
162
163 Installing SSH key from: default repository key
165 Using /home/travis/.netrc to clone repository.
166
167 $ git clone --depth=50 --branch=master https://github.com/Jiheon-Lee/Ruby-Autograding.git Jiheon-Lee/Ruby-Autograding
177
178
```

.travis.yml > [] script

```
1 language: node_js
2 node_js: 12
3 before_install:
4   - cd backend/
5   - npm install
6 cache: npm
7 script:
8   - npm run test
```

<https://docs.travis-ci.com/user/tutorial>

Travis Status Image

README.md



build failing

Ruby-Autograding

Project Period

2020.08 ~ 2020.12

What is Ruby-Autograding

학생은 터미널 환경에서 문제를 제출하고 웹에서 채점 결과에 대한 정답 및 통계를 확인할 수 있다. 교수와 조교는 문제 및 과제를 출제하고 학생이 제출한 답안에 대해 자동 채점을 지원받을 수 있다. 또한 채점 결과에 대한 클래스 통계를 확인할 수 있다. 학생과 교수, 조교 간의 원활한 의사소통을 도와주는 웹 사이트 개발을 목표로 한다.

Travis Status Image

The screenshot shows the Travis CI interface for the repository 'Jiheon-Lee / Ruby-Autograding'. At the top, a 'build failing' badge is highlighted with a blue box. Below the repository name, tabs for 'Current', 'Branches', 'Build History', and 'Pull Requests' are visible. The 'Current' tab is active, showing a commit '0a6e1ce' with the message 'Modify .prettierrc options'. A red vertical bar on the left indicates a failed build. A modal window titled 'Status Image' is open, showing configuration options for the build status image. The modal has a close button in the top right corner. It contains three sections: 'BRANCH' with a dropdown menu set to 'master'; 'FORMAT' with a dropdown menu set to 'Markdown'; and 'RESULT' with a text area containing a markdown link template: `[[Build Status]](https://travis-ci.com/Jiheon-Lee/Ruby-Autograding.svg?token=KmsCuxPqqngTc5MBW2Yy&branch=master)](https://travis-ci.com/Jiheon-Lee/Ruby-Autograding)`. The background of the repository page is dimmed.

Jiheon-Lee / Ruby-Autograding **build failing**

Current Branches Build History Pull Requests

✖ master Modify .prettierrc options #3 failed

Commit 0a6e1ce
Compare f864d31...0a6e1ce
Branch master
Jiheon Lee

</> Node.js
AMD64

Job log

Status Image

BRANCH

master

FORMAT

Markdown

RESULT

[[Build Status]](https://travis-ci.com/Jiheon-Lee/Ruby-Autograding.svg?token=KmsCuxPqqngTc5MBW2Yy&branch=master)](https://travis-ci.com/Jiheon-Lee/Ruby-Autograding)

Travis 적용 (Success)

The screenshot displays the Travis CI web interface in a Chrome browser. The top navigation bar includes links for Dashboard, Changelog, Documentation, and Help. The main header shows the repository name "Jiheon-Lee / Ruby-Autograding" with a "build passing" status badge. Below the header, the "Current" tab is selected, showing the build details for the "master" branch. The build status is "passed" with a green checkmark. The build log shows the following steps:

- 1. Worker information
- 2. Build system information
- 3. Installing SSH key from: default repository key
- 4. Using /home/travis/.netrc to clone repository.
- 5. \$ git clone --depth=50 --branch=master https://github.com/Jiheon-Lee/Ruby-Autograding.git Jiheon-Lee/Ruby-Autograding

The build log also indicates that the build passed with 7 tests, ran for 38 seconds, and was completed less than a minute ago. The left sidebar lists other repositories, including "Jiheon-Lee/TIL", "Jiheon-Lee/WAI-Automated-Sc...", "Jiheon-Lee/Jiheon-Lee", "Jiheon-Lee/Gachon_CS50_Pyth...", "Jiheon-Lee/action-test", and "Jiheon-Lee/2020_database_cla...".

Travis 적용 (Success)

```
219 found 1 low severity vulnerability
220 run 'npm audit fix' to fix them, or 'npm audit' for details
221 The command "npm install" exited with 0.
222 $ npm run test
223
224 > backend@0.0.0 test /home/travis/build/Jiheon-Lee/Ruby-Autograding/backend
225 > NODE_ENV=test mocha routes/users.spec.js
226
227
```

```
228
229 GET /users는
230 성공시
231   ✓ 유저 객체를 담은 배열로 응답한다
232   ✓ 최대 limit 갯수만큼 응답한다
233 실패시
234   ✓ limit이 숫자형이 아니면 400을 응답한다
235
236 GET /users/201834123는
237 성공시
238   ✓ id가 201834123인 학생 유저 객체를 반환한다
239 실패시
240   ✓ id가 숫자가 아닐 경우 400으로 응답한다
241   ✓ id로 유저를 찾을수 없을 경우 404로 응답한다
242
243 DELETE /users/201834123는
244 성공시
245   ✓ 204를 응답한다
246 실패시
247   ✓ id가 숫자가 아닐 경우 400으로 응답한다
248
249
250 8 passing (53ms)
```

```
251 The command "npm run test" exited with 0.
```

```
252 store build cache
253
254
255
256
257 Done. Your build exited with 0.
```

```
~/workspace/Ruby-Autograding/backend
0.51s

성공시
  ✓ 유저 객체를 담은 배열로 응답한다
  ✓ 최대 limit 갯수만큼 응답한다
실패시
  ✓ limit이 숫자형이 아니면 400을 응답한다

GET /users/201834123는
성공시
  ✓ id가 201834123인 학생 유저 객체를 반환한다
실패시
  ✓ id가 숫자가 아닐 경우 400으로 응답한다
  ✓ id로 유저를 찾을수 없을 경우 404로 응답한다

DELETE /users/201834123는
성공시
  ✓ 204를 응답한다
실패시
  ✓ id가 숫자가 아닐 경우 400으로 응답한다

8 passing (66ms)

~/workspace/Ruby-Autograding/backend master
base > _
master 3% 8.1 GB 2.0 kB↓ 0.0 kB↑
```

감사합니다