

CI Tutorial & Backend Test

참고자료

소프트웨어 개발의 원리 및 실제
2019. 04. 25 (목)

Continuous Integration with travis CI

- Travis CI Tutorial : <https://docs.travis-ci.com/user/tutorial/>
- Travis CI의 .travis.yml 예시 :
<https://github.com/swpp-ci-example/ci-example-repo/blob/master/.travis.yml>
- 유용한 Keyword들: <https://docs.travis-ci.com/user/customizing-the-build>
- Get Travis CI : <https://github.com/marketplace/travis-ci>

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- Travis CI의 .travis.yml 예시 :
<https://github.com/swpp-ci-example/ci-example/blob/master/.travis.yml>
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```
matrix:
  include:
    - language: python
      virtualenv:
        system_site_packages: true
      python: 3.6
      before_script:
        - cd backend/tests
      install:
        - pip install pytest-django
      script:
        - pytest

    - language: node_js
      node_js:
        - v6
      before_script:
        - cd frontend/tests
      script:
        - npm test -- --coverage && npm test
      sudo: false
      cache:
        - yarn
      after_success:
        - bash <(curl -s https://codecov.io/bash)
```

Continuous Integration with travis CI - in github

Marketplace / Apps / Travis CI



Application

Travis CI

① You have already purchased this app on GitHub Marketplace.
To complete this installation, you must [grant this app access to your GitHub account](#).

[Set up a new plan](#) [Edit your plan](#)

✔ Verified by GitHub
GitHub confirms that this app meets the [requirements for verification](#).

Categories

- Continuous Integration
- Mobile CI
- GitHub Enterprise
- Checks API
- Free Trials
- Free
- Paid

Supported languages

Go, Java, JavaScript
and 5 other languages supported

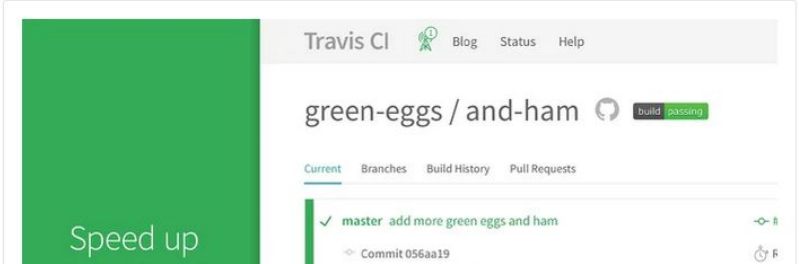
Developer



Travis CI enables your team to test and ship your apps with confidence. It's built for everyone and for projects and teams of all sizes, supporting over 20 different languages out of the box, including Javascript and Node.js, Ruby, PHP, Python, Mac/iOS, as well as Docker, while giving you full control over the build environment to customize it to your own needs.

Travis CI is trusted by hundreds of thousands of open source projects, teams, and developers.

[Read more...](#)



Continuous Integration with travis CI - in github

swpp-ci-example

Repositories 1People 1Teams 0Projects 0Settings

Organization settings

Profile

Member privileges

Billing

Security

Verified domains

Audit log

Webhooks

Third-party access

Installed GitHub Apps

Repository topics

Projects

Teams

Developer settings

OAuth Apps

GitHub Apps

Moderation settings

Blocked users

Interaction limits

Travis CI

Installed 28 minutes agoDeveloped by travis-cihttps://travis-ci.com

Test and deploy with confidence. Trusted by over 800,000 users, Travis CI is the leading hosted continuous integration system.

Supporting over 30 different languages, including Ruby, Mac/iOS, and Docker, Travis CI is built for everyone.

Free for open source, and with a 100 build trial for private projects, getting setup takes just 2 minutes.

Permissions

✓ Read access to code

✓ Read access to members, metadata, and pull requests

✓ Read and write access to checks, commit statuses, deployments, and repository hooks

Repository access

All repositories

This applies to all current and future repositories.

Only select repositories

Select repositories

Selected 1 repository


swpp-ci-example/ci-example-repo



Save

Cancel


Continuous Integration with travis CI - in Travis


Travis CI

 [Dashboard](#) [Changelog](#) [Documentation](#) [Help](#)


 

MY ACCOUNT

 **petrosyh**


 [Sync account](#)

ORGANIZATIONS

 **swpp-ci-example**

MISSING AN ORGANIZATION?


[Review and add](#) your authorized organizations.


 **swpp-ci-example**



@swpp-ci-example

[Repositories](#) [Settings](#) [Subscription](#)


[GitHub Apps Integration](#)

 [Manage repositories on GitHub](#)



 **ci-example-repo**  [Settings](#)

Continuous Integration with travis CI - Result

swpp-ci-example / ci-example-repo  build unknown











Current

Branches

Build History

Pull Requests

More options

<div><div>✖ travis-fail</div><div> petrosyh</div></div>	add wrong code	<div><div>❌ #2 failed</div><div> 4f58a79 </div></div>	<div><div>🕒 1 min 10 sec</div><div> less than a minute ago</div></div>	
<div><div>✔ master</div><div> petrosyh</div></div>	add travis	<div><div>✅ #1 passed</div><div> 44c490a </div></div>	<div><div>🕒 1 min 32 sec</div><div> 3 minutes ago</div></div>	






Current

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More options

<div><div>✖ PR #1</div><div> petrosyh</div></div>	Add Wrong Code!	<div><div>❌ #3 failed</div><div> 70feb17 </div></div>	<div><div>🕒 1 min</div><div> less than a minute ago</div></div>	
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Show more



Django Test Tutorials

- ✓ Django Unit Test Tutorial : <https://docs.djangoproject.com/en/2.0/topics/testing/>
- ✓ 2017년 Django Backend Test 만들기:
https://github.com/snu-sf-class/swpp201901/blob/master/ta-session/backend_test_2017.pdf

Typescript

✓ <https://flow.org/en/docs/react>