

Pull Request 에 품질보증서를 달아보자 - Travis CI

- 김종광 -

발표자 - 김종광



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- ▶ 소속
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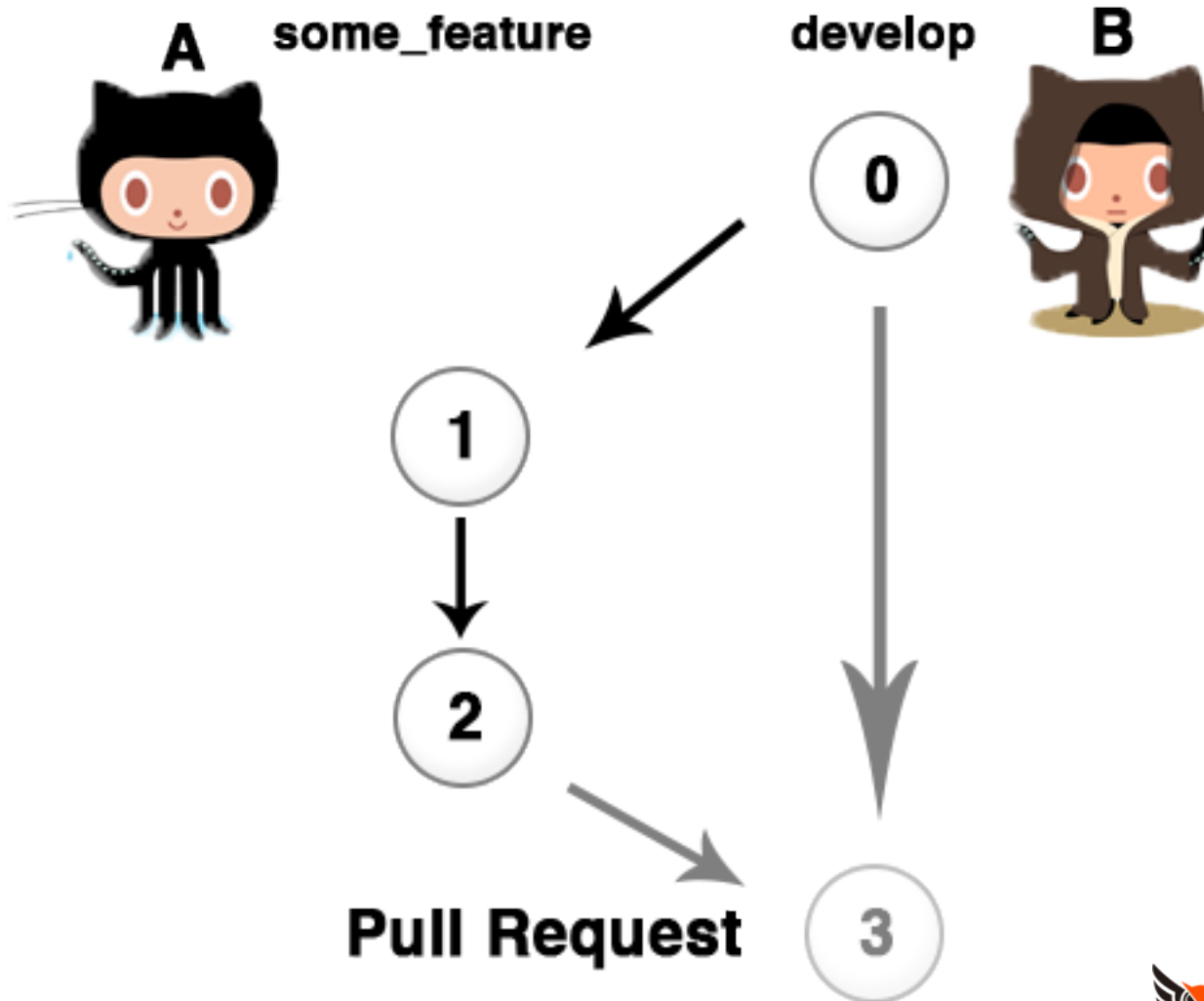
IoT Labs

- ▶ IoT 디바이스 통신
- ▶ IoT Storage
- ▶ IoT Dashboard
- ▶ SNS & Mobile & API



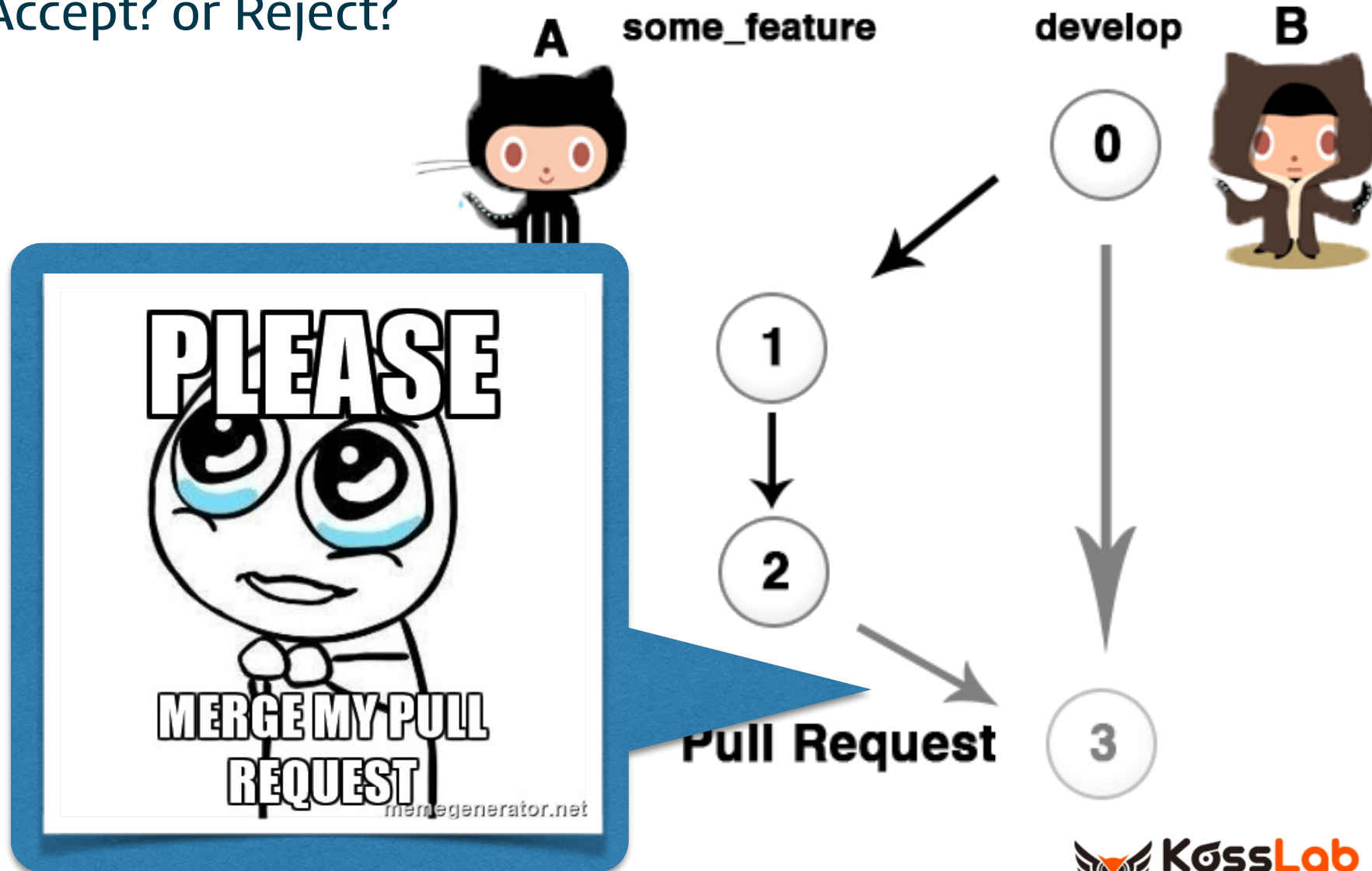
Pull Request

- ▶ Accept? or Reject?



Pull Request

- ▶ Accept? or Reject?



Pull Request

- ▶ Accept? or Reject?



Pull Request

- ▶ Accept? or Reject?

Unit

with **JUnit**



JUnit

Unit test

Jenkins

search

JenkinsjUnit Example#14Test ResultsCustomerContactAddress

ENABLE AUTO REFRESH

[Back to Project](#)

[Status](#)

[Changes](#)

[Console Output](#)

[Edit Build Information](#)

[History](#)

[Test Result](#)

[Previous Build](#)

Test Result : Address

1 failures

4 tests
Took 0 ms.
 [add description](#)

All Tests

Test name	Duration	Status
Insert City	0 ms	Passed
Insert State	0 ms	Passed
Insert Street	0 ms	Passed
Zip	0 ms	Failed

Travis CI

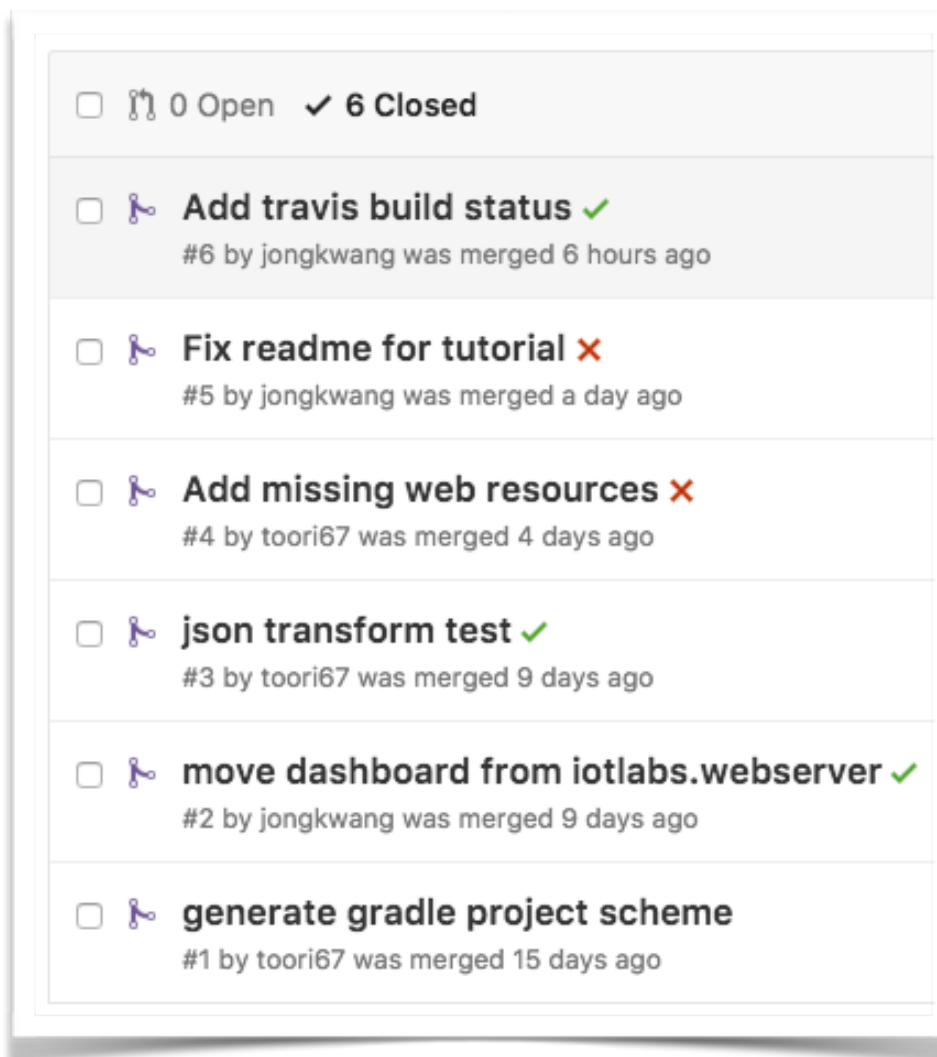
- ▶ Github 와 연동하여 지속적 통합(Continuous Integration)을 호스팅 하는 서비스
- ▶ 다양한 언어 지원
 - C, C++, Clojure, Erlang, Go, Groovy, Haskell, Java, JavaScript (Node.js), Objective-C, Perl, PHP, Python, Ruby, Scala



Travis CI

Travis CI

▶ Github 에 Test 결과가 표시된다



A screenshot of a GitHub pull request list. At the top, it shows a summary: 0 Open and 6 Closed pull requests. Below this, a list of pull requests is displayed, each with a checkbox, a fork icon, a title, a status indicator (green checkmark or red X), and a description of the merge.

Checkbox	Fork Icon	Title	Status	Description
<input type="checkbox"/>		Add travis build status	✓	#6 by jongkwang was merged 6 hours ago
<input type="checkbox"/>		Fix readme for tutorial	✗	#5 by jongkwang was merged a day ago
<input type="checkbox"/>		Add missing web resources	✗	#4 by toori67 was merged 4 days ago
<input type="checkbox"/>		json transform test	✓	#3 by toori67 was merged 9 days ago
<input type="checkbox"/>		move dashboard from iotlabs.webserver	✓	#2 by jongkwang was merged 9 days ago
<input type="checkbox"/>		generate gradle project scheme		#1 by toori67 was merged 15 days ago

Travis CI

▶ Github 에 Test 결과가 표시된다

Add travis build status #6

Merged jongkwang merged 2 commits into `master` from `add-status-to-readme` 6 hours ago

Conversation 1 Commits 2 Files changed 1



jongkwang commented 6 hours ago IoT Labs member

No description provided.

 jongkwang added some commits 6 hours ago

-   Add travis build status ✓ c6e007d
-   Add codecov status ✓ b0ae65f

Travis CI

- ▶ Docker 기반
- ▶ Test 용도의 Hosting 지원

Open Source	Startup	Small Business	Premium
Free always	\$129 USD per month	\$249 USD per month	\$489 USD per month
<ul style="list-style-type: none">✓ Fair use✓ Unlimited build minutes✓ Unlimited repositories✓ Unlimited collaborators	<ul style="list-style-type: none">2 Concurrent jobs✓ Unlimited build minutes✓ Unlimited repositories✓ Unlimited collaborators	<ul style="list-style-type: none">5 Concurrent jobs✓ Unlimited build minutes✓ Unlimited repositories✓ Unlimited collaborators	<ul style="list-style-type: none">10 Concurrent jobs✓ Unlimited build minutes✓ Unlimited repositories✓ Unlimited collaborators
Get Started	Start Trial	Start Trial	Start Trial

Codecov

- ▶ Code Coverage 를 표시한다.
 - Patch before/after 비교를 해준다
 - Line count 로 명확히 표시한다
- ▶ 손쉬운 사용



Codecov

- ▶ Code Coverage 를 표시한다.
 - Patch before/after 비교를 해준다
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- ▶ 손쉬운 사용

Add missing web resources #4

Merged toori67 merged 1 commit into `iot-labs:master` from `toori67:add-web-resources` 4 days ago

Conversation 1 | Commits 1 | Files changed 17

toori67 commented 4 days ago IoT Labs member

No description provided.

Add missing web resources a1da417

codecov-io commented 4 days ago

Current coverage is 43.28% (diff: 0.00%)

Merging #4 into master will decrease coverage by 0.99%

	master	#4	diff
Files	16	17	+1
Lines	131	134	+3
Methods	0	0	
Messages	0	0	
Branches	11	11	
Hits	58	58	
- Misses	70	73	+3
Partials	3	3	

Powered by [Codecov](#). Last update 8dd5f77...a1da417

toori67 merged commit e83f0e5 into `iot-labs:master` 4 days ago View details Revert
1 of 3 checks passed

toori67 deleted the `toori67:add-web-resources` branch 4 days ago

Demo

Unit

with **J**Unit



Travis CI



IoT Labs

감사합니다

<https://github.com/iot-labs>



IoT Labs

IoT Labs - A Framework for Simpler IoT Development Environment