

# 오픈소스 CI 하자!

Travis CI / Scrutinizer CI

전창완

# 목차

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2. 사용법
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# 시작하기에 앞서..

왜 사용하게 되었는가?

## Routing Component

Routing associates a request with the code that will convert it to a response.

The example below demonstrates how you can set up a fully working routing system:

```
use Symfony\Component\HttpFoundation\Request;
use Symfony\Component\Routing\Matcher\UrlMatcher;
use Symfony\Component\Routing\RequestContext;
use Symfony\Component\Routing\RouteCollection;
use Symfony\Component\Routing\Route;

$routes = new RouteCollection();
$routes->add('hello', new Route('/hello', array('controller' => 'foo')));

$context = new RequestContext();

// this is optional and can be done without a Request instance
$context->fromRequest(Request::createFromGlobals());

$matcher = new UrlMatcher($routes, $context);

$parameters = $matcher->match('/hello');
```

# 시작하기에 앞서..

왜 사용하게 되었는가?

## Wandu Http

stable v1.1.1 unstable 1.1-dev downloads 581 license MIT

build passing coverage 96 % Scrutinizer 9.08

Http Psr-7(Based on 1.0.0) Implementation. More details: [www.php-fig.org/psr/psr-7](http://www.php-fig.org/psr/psr-7)

Reference [phly/http](http://phly/http).

## Basic Usage

```
use Wandu\Http\Cookie\CookieJarFactory;
use Wandu\Http\Psr\Factory\ResponseFactory;
use Wandu\Http\Psr\Factory\ServerRequestFactory;
use Wandu\Http\Psr\Factory\UploadedFileFactory;
use Wandu\Http\Psr\Sender\ResponseSender;
use Wandu\Http\Session\Adapter\FileAdapter;
```

# 시작하기에 앞서..

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```

일단 **보통** 납니다.

다양한 환경에서 테스트!

코드 품질 관리 가능!

바로 사용해 봅시다.

# 사용법

## 동작 원리

### 1. Github

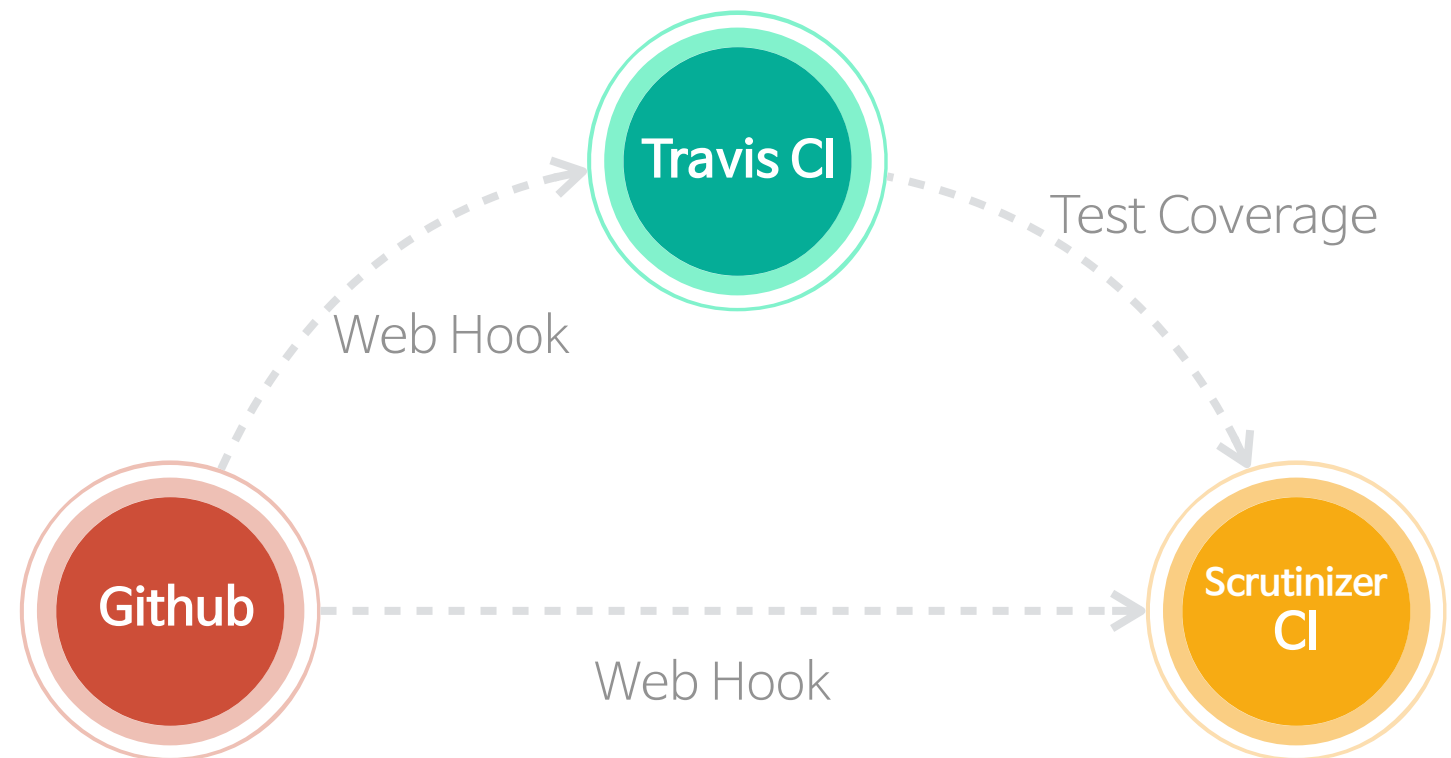
- Push, 각각의 CI로 Web Hook.

### 2. Travis CI

- PHP Unit 실행,  
Coverage 보고서 Scrutinizer CI 로 전송.

### 3. Scrutinizer CI

- 소스 코드 분석.
- 전달된 Coverage 보고서 분석.





# 사용법

.travis.yml

---

```
language: "php"

matrix:
  fast_finish: true
  include:
    - php: 5.6
      env:
        - EXECUTE_COVERAGE=true
    - php: 7.0
    - php: hhvm
  allow_failures:
    - php: hhvm

before_script:
  - if [[ $EXECUTE_COVERAGE != 'true' ]]; then phpenv config-rm xdebug.ini || return 0 ; fi
  - composer install

script:
  - if [[ $EXECUTE_COVERAGE == 'true' ]]; then ./vendor/bin/phpunit --coverage-clover=coverage.clover ; fi
  - if [[ $EXECUTE_COVERAGE != 'true' ]]; then ./vendor/bin/phpunit ; fi

after_script:
  - if [[ $EXECUTE_COVERAGE == 'true' ]]; then wget https://scrutinizer-ci.com/ocular.phar ; fi
  - if [[ $EXECUTE_COVERAGE == 'true' ]]; then php ocular.phar code-coverage:upload --format=php-clover ./coverage.clover ; fi
```

# 사용법

.scrutinizer.yml

---

```
filter:
  paths: [src/*]
  excluded_paths: [vendor/*, tests/*]
before_commands:
  - 'composer install --dev --prefer-source'
tools:
  external_code_coverage: true
  php_mess_detector: true
  php_code_sniffer: true
  sensiolabs_security_checker: true
  php_code_coverage: true
  php_pdepend: true
  php_loc:
    enabled: true
    excluded_dirs: [vendor, tests]
  php_cpd:
    enabled: true
    excluded_dirs: [vendor, tests]
```

# 사용법

Travis CI

Travis CI



Blog

Status

Help

Changwan Jun



Changwan Jun  
Repositories 40

Token:

## Organizations

TASTE  
LAB.

Tastelab  
Repositories 5

Wandu

Wandu  
Repositories 23



XpressEngine  
Repositories 63



Modern PHP User Group  
Repositories 7

Is an organization missing?  
[Review and add](#) your authorized organizations.

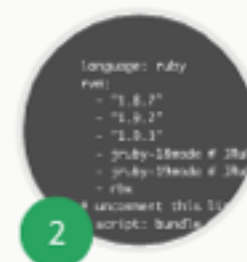
## Wandu

Sync

We're only showing your public repositories. You can find your private projects on [travis-ci.com](https://travis-ci.com).



1  
Flick the repository  
switch on



2  
Add .travis.yml file to  
your repository



3  
Trigger your first build  
with a git push



Wandu/Compiler



Wandu/Config



Wandu/DI



Wandu/Event



Wandu/Fastelper

# 사용법

Scrutinizer CI

[FEATURES](#)[PRICING](#)[DOCUMENTATION](#)[BLOG](#)

## Add Repository

[Home](#) / [Add GitHub Repository](#)[GitHub](#)[Bitbucket](#)[Self-Hosted Git Repository](#)

At the moment, you can only add **public** repositories. If you also would like to add **private** repositories, we first need to redirect you to GitHub to request the "repo" permission for your account. You can try Scrutinizer 14-days for free on private repositories.

[Request Private Repo Access](#)

GitHub Repository

Default Config \*

You can change this later, and also use multiple languages in one repository.

Tests

☐

Should Scrutinizer run your tests?

[Add Repository](#)

# 사용법

Github 에서 확인

Options

Collaborators & teams

Branches

**Webhooks & services**

Deploy keys

**Webhooks**

Add webhook

Webhooks allow external services to be notified when certain events happen within your repository. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

We will also send events from this repository to your [organization webhooks](#).

✓ <https://scrutinizer-ci.com/github-callback> (*commit\_comment, issue...*)

**Services**

Add service ▾

**Introducing the GitHub integrations directory**

Everything you need to build software is now in one place. The directory lists some of the highest quality integrations made to help you and your team build software better, together.

Browse the directory

Services are pre-built integrations that perform certain actions when events occur on GitHub. For more information on services check out our [service hooks guide](#).

✓ [Packagist](#)

✓ [Travis CI](#)

# 사용법

동작 확인, Travis CI

**Current** Branches Build History Pull Requests

Settings

✓ add 451 Http Reason Phrase

🔗 #32 passed



👤 Commit bd5a4b9

🕒 Elapsed time 1 min 21 sec

👤 Compare v1.1.1

🕒 Total time for 2 min 56 sec

👤 Changwan Jun authored and committed

📅 14 days ago

## Build Jobs

✓ # 32.1	👤 </> PHP: 5.5	📦 no environment variables set	🕒 30 sec
✓ # 32.2	👤 </> PHP: 5.6	📦 EXECUTE_COVERAGE=true	🕒 58 sec
✓ # 32.3	👤 </> PHP: 7	📦 no environment variables set	🕒 37 sec
✓ # 32.4	👤 </> PHP: hhvm	📦 no environment variables set	🕒 51 sec

# 사용법

동작 확인, Scrutinizer CI



3 months ago

Inspected [add capture method at Response...](#)



1 added class/operation



[ResponseFactory::capture\(\)](#) added



3 months ago

Inspected [add Session Flash, resolve #4](#)



**Test Coverage** has **increased** to **96%** (+1%).



22 added classes/operations



[StringStream::rewind\(\)](#) added



[StringStream::seek\(\)](#) added



[StringStream::isSeekable\(\)](#) added



[StringStream::eof\(\)](#) added



[StringStream::isWritable\(\)](#) added



[StringStream::write\(\)](#) added



[StringStream::getMetadata\(\)](#) added



[StringStream::getContents\(\)](#) added



[StringStream::read\(\)](#) added



[StringStream::isReadable\(\)](#) added



## Badges

Scrutinizer **9.08** ⓘ

coverage **96 %** ⓘ

build **passed** ⓘ

## Latest Alerts

Good job, no alerts here.

# 사용법

동작 확인, Scrutinizer CI



3 months ago

Inspected add capture method at Response...



1 added class/operation



ResponseFactory::capture() added



3 months ago

Inspected add Session Flash, resolve...



Test Coverage has increased to 96 % (+1 %).



22 added classes/operations



StringStream::rewind() added



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StringStream::getMetadata() added



StringStream::getContents() added



StringStream::read() added



StringStream::isReadable() added

뭘 할 수 있는데?



## Badges

Scrutinizer 9.08 ⓘ

coverage 96 % ⓘ

build passed ⓘ

## Latest Alerts

Good job, no alerts here.



# 무엇을 할 수 있을까?

제 개인적인 경험으로는..

---

## Travis CI

1. 모든 버전의 PHP 테스트를 다 돌릴 수 없다.
2. 철저히 검증하고 Commit 한다고 해도 가끔 빼먹을 때가 있다.
3. 테스트 실패시 알림을 받을 수 있다. (Mail / IRC / Slack 지원.)

# 무엇을 할 수 있을까?

제 개인적인 경험으로는..

---

## Scrutinizer CI

1. 내가 표준으로 잘 코딩하고 있는지 확인할 수 있다.  
(오픈소스 하는데 부끄럽지 않은 코딩을 할 수 있다.)
2. Test Coverage를 가시적으로 확인할 수 있다. (IDE를 써도 알수 있지만..)
3. 잠재적 위험을 갖춘 코드를 찾아내 준다. (PHP type, PHPDoc 도 읽어요..)

# 무엇을 할 수 있을까?

대충 이런 느낌으로 Issues를 알려줌.

## Issues (19)

### Security Analysis 3 potential vulnerabilities

Unfortunately, the security analysis is currently not available for your project. If you are a non-commercial open-source project, please [contact support to gain access](#).

✓ Cross-Site Scripting	✗ File Exposure (1)	✗ File Manipulation (1)	✗ Object Injection (1)
✓ Code Injection	✓ Response Splitting	✓ File Inclusion	✓ Command Injection
✓ SQL Injection	✓ XPath Injection	✓ LDAP Injection	✓ Header Injection
✓ Other Vulnerability	✓ Regex Injection	✓ XML Injection	✓ Variable Injection

### Labels

Best Practice	2
Bug	10
Coding Style	5
Comprehensibility	1
Documentation	2

### Severity

Major	8
Minor	8

### Introduced By

### 8 files with issues

Count	Path ▲	Last Found
5	src/Psr/Factory/ServerRequestFactory.php Coding Style	about a month ago
4	src/Psr/Factory/UploadedFileFactory.php Bug	about a month ago
1	src/Psr/Uri.php Documentation Bug	about a month ago
1	src/Session/Adapter/FileAdapter.php Bug Best Practice	14 days ago
1	src/Session/Adapter/RedisAdapter.php Bug Best Practice	about a month ago

# 무엇을 할 수 있을까?

이런 것들을 미리 알 수 있다...

Issues

Code Coverage

Code ▼



```
1 + <?php
338         }
339         if ($paramClassReflection = $param->getClass()) { // 2.*
340             // 2.2
341             $paramClassName = $paramClassReflection->getName();



📄



Bug

introduced about a month ago by  



Consider using $paramClassReflection->name . There is an issue with getName() and APC-enabled PHP versions.



342         if (isset($arguments[$paramClassName])) {
343             $parametersToReturn[] = $arguments[$paramClassName];
344 +         continue;
403
```

# 무엇을 할 수 있을까?

이런 것들을 미리 알 수 있다...

Issues

Code Coverage


Code

```
1 + <?php
178         if ($port < 1 || $port > 65535) {
179             throw new InvalidArgumentException("Invalid port \"{$port}\". It must be a valid
180         }
181         $new->port = $port;
```

Documentation

Bug

introduced about a month ago by  

The property `$port` was declared of type `string`, but `$port` is of type `integer`. Maybe add a type cast?

```
182     }
183     return $new;
184 + }
389
```

# 무엇을 할 수 있을까?

이런 것들을 미리 알 수 있다...

Issues

Code Coverage

Code

```
1 + <?php
133     /**
134         * @param string $name
135         * @param mixed $value
136         * @return \Wandu\Http\Traits\ServerRequestTrait

137     */
138     public function withAttribute($name, $value)
139 + {
175
```

Comprehensibility Bug

introduced about a month ago by

The return type `ServerRequestTrait` is a trait, and thus cannot be used for type-hinting in PHP. Maybe consider adding an interface and use that for type-hinting?

# 무엇을 할 수 있을까?

대충 이런거 지원합니다.

---

1. Similarity Analyzer (Default)
2. PHP Code Sniffer
3. PHP CS Fixer
4. PHP Mess Detector
5. PHP Analyzer
6. PHP Annotating Types Check.
7. Security Advisory Checker

# 마무리

주의사항

---

1. 너무 모든 이슈를 처리하는데 집착하지 않아도 됨.
2. 코드커버리지는 70 이상이면 훌륭하다고 함.



Q & A ?

