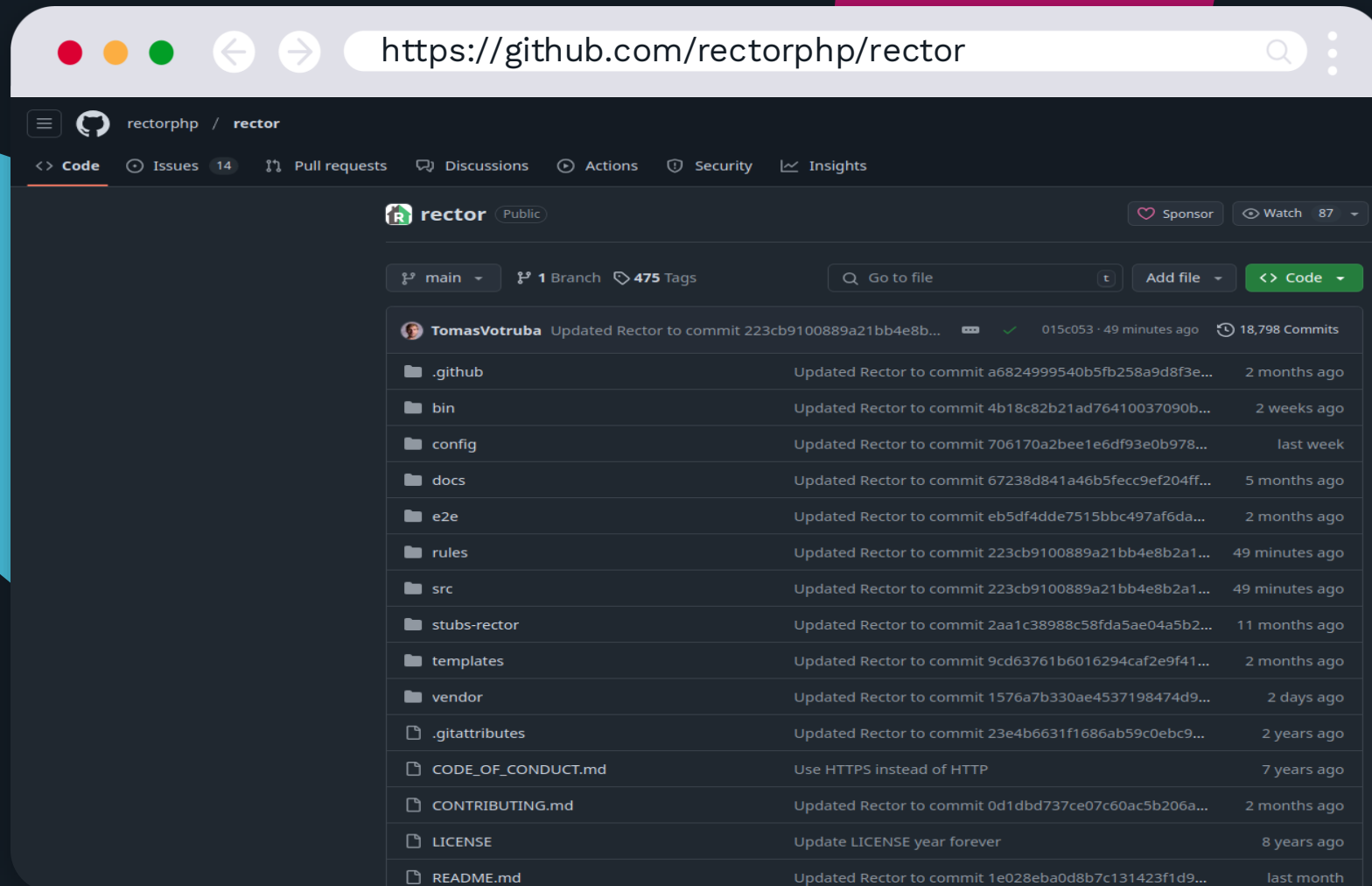![](Ibexa Summit 25 logo)

# Empowering developers to easily upgrade projects with Ibexa Rector

Andrew Longosz

# What is Ibexa Rector?



https://github.com/rectorphp/rector

rectorphp / rector

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👤 TomasVotruba  Updated Rector to commit 223cb9100889a21bb4e8b...  •••  ✓  015c053 · 49 minutes ago  🕐 18,798 Commits

| 📁 .github | Updated Rector to commit a6824999540b5b258a9d8f3e... | 2 months ago |
| 📁 bin | Updated Rector to commit 4b18c82b21ad76410037090b... | 2 weeks ago |
| 📁 config | Updated Rector to commit 706170a2bee1e6df93e0b978... | last week |
| 📁 docs | Updated Rector to commit 67238d841a46b5fecc9ef204ff... | 5 months ago |
| 📁 e2e | Updated Rector to commit eb5df4dde7515bbc497af6da... | 2 months ago |
| 📁 rules | Updated Rector to commit 223cb9100889a21bb4e8b2a1... | 49 minutes ago |
| 📁 src | Updated Rector to commit 223cb9100889a21bb4e8b2a1... | 49 minutes ago |
| 📁 stubs-rector | Updated Rector to commit 2aa1c38988c58fda5ae04a5b2... | 11 months ago |
| 📁 templates | Updated Rector to commit 9cd63761b6016294caf2e9f41... | 2 months ago |
| 📁 vendor | Updated Rector to commit 1576a7b330ae4537198474d9... | 2 days ago |
| 📄 .gitattributes | Updated Rector to commit 23e4b6631f1686ab59c0ebc9... | 2 years ago |
| 📄 CODE_OF_CONDUCT.md | Use HTTPS instead of HTTP | 7 years ago |
| 📄 CONTRIBUTING.md | Updated Rector to commit 0d1dbd737ce07c60ac5b206a... | 2 months ago |
| 📄 LICENSE | Update LICENSE year forever | 8 years ago |
| 📄 README.md | Updated Rector to commit 1e028eba0d8b7c131423f1d9... | last month |

# Installing Ibexa Rector

```
composer require --dev ibexa/rector:4.6.x-dev
```

```
composer require --dev ibexa/rector:5.0.x-dev
```

# Configuring

- ▶ Available as a flex recipe
- ▶ rector.php file in a project directory
- ▶ Requires **PHP 8.3**

rector.php

```php
<?php declare(strict_types=1);

use Ibexa\Contracts\Rector\Sets\IbexaSetList;
use Rector\Config\RectorConfig;

return RectorConfig::configure()
    ->withPaths(
        [
            __DIR__ . '/src',
            __DIR__ . '/tests',
        ]
    )
    ->withSets(
        [
            IbexaSetList::IBEXA_50->value,
        ]
    );
```

# Adding Symfony set lists

```php
<?php declare(strict_types=1);

use Ibexa\Contracts\Rector\Sets\IbexaSetList;
use Rector\Config\RectorConfig;
use Rector\Symfony\Set\SymfonySetList;


return RectorConfig::configure()
// ...
    ->withSets(
        [
            IbexaSetList::IBEXA_50->value,
            SymfonySetList::SYMFONY_54,
        ]
    );
```

rector.php

# Running Rector

▶ Assuming you have `rector.php` file in your project directory, run there:

```
php ./vendor/bin/rector process
```
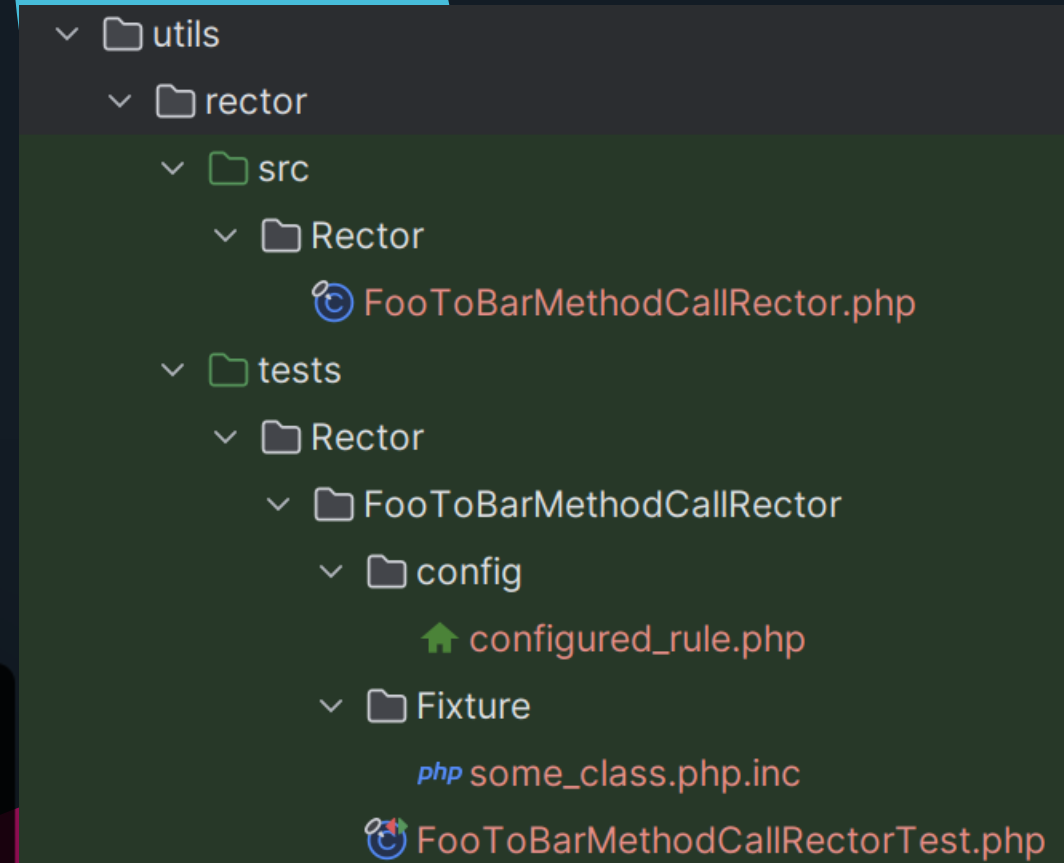
# Using Rector

# Live demo time

# Creating custom rules

**Project–specific rules**

▶ Use Rector's built-in, interactive, command for any project-specific use case

▶ Generate directory structure:

```
php ./vendor/bin/rector custom-rule
```

▶ Implement rule's Rector inside generated class

▶ Add test coverage using generated structure & test class

```
utils
  rector
    src
      Rector
        FooToBarMethodCallRector.php
    tests
      Rector
        FooToBarMethodCallRector
          config
            configured_rule.php
          Fixture
            some_class.php.inc
        FooToBarMethodCallRectorTest.php
```

# Creating custom Rector rules

# Live demo time

# Contributing to Ibexa Rector

**Ibexa-specific rules**

▶ Clone **ibexa/rector** package

▶ Generate file & directory structure

```
$ git clone git@github.com:ibexa/rector.git

$ cd rector

$ composer update

$ composer define-custom-rule Ibexa50/<RectorName>
```

# Contributing to Ibexa Rector

**Directory structure**

```
✓ 🗁 tests
  ✓ 🗁 lib
    > 🗁 Composer
    ✓ 🗁 Rule
      ✓ 🗁 Ibexa50
        ✓ 🗁 MagicPropertyToStrictGetterRector
          ✓ 🗁 config
              🏠 configured_rule.php
          ✓ 🗁 Fixture
              php some_class.php.inc
          🕰 MagicPropertyToStrictGetterRectorTest.php
```

```
✓ 🗁 lib
  > 🗁 Composer
  ✓ 🗁 Rule
    ✓ 🗁 Ibexa50
        🕰 MagicPropertyToStrictGetterRector.php
```

▶ Write rule, write tests
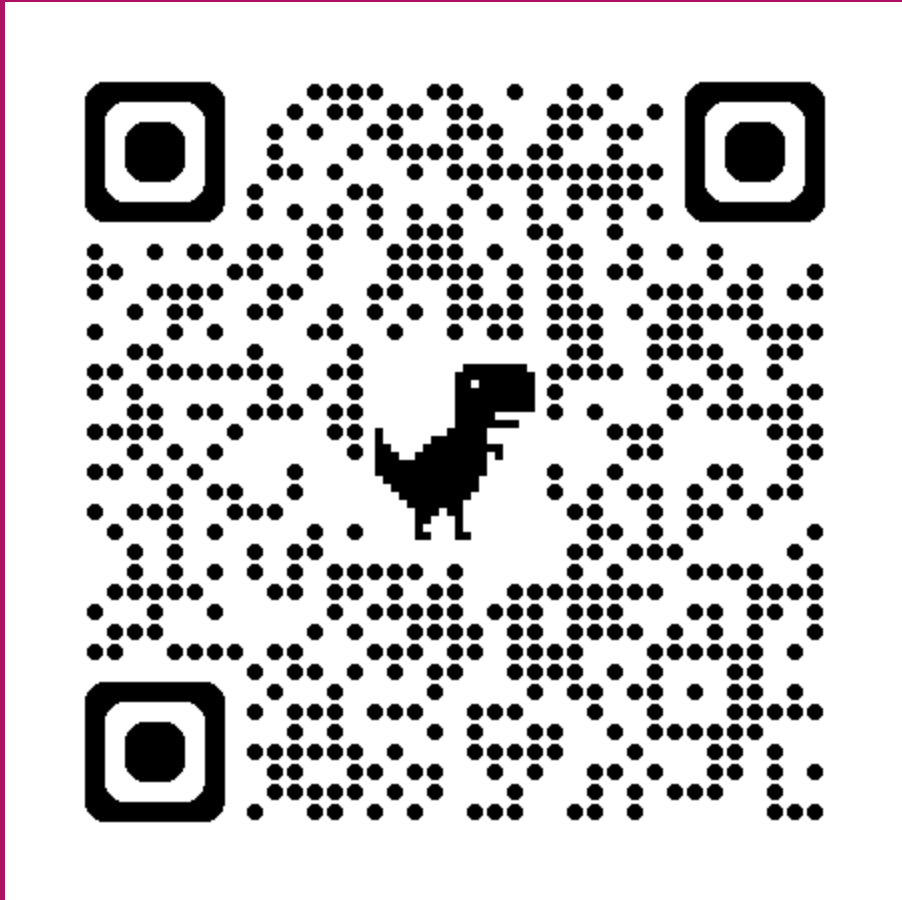
▶ Create a Pull Request to `ibexa/rector`

# Contributing to Ibexa Rector

# Live demo time

# Q & A

Get Ibexa Rector:

Slide deck & examples:

Thank you!