

# Rector Cheat Sheet



## Installation

```
composer require rector/rector --dev
```

## Usage

```
vendor/bin/rector [command] [options] [<paths>...]
```

## Available Commands

Command	Description
process (default)	Upgrade or refactor source code
list-rules	Show a list of all loaded rules
custom-rule	Create a skeleton for a custom rule
setup-ci	Set up a CI workflow for Rector

## Process Command Options

Flag	Description
--dry-run	Only display the diff of changes without saving them
--no-progress-bar	Hide the progress bar
--no-diffs	Hide diffs
--only=RULE_CLASS	Only run a specific rule
--debug	Enable debug verbosity
--help	Display help information

## Example rector.php Configuration File

```
<?php

use Rector\Config\RectorConfig;

return RectorConfig::configure()
    ->withPaths([__DIR__ . '/src', __DIR__ . '/tests'])
    ->withPhpSets()
    ->withTypeCoverageLevel(10)
    ->withPreparedSets(deadCode: true, codeQuality: true, codingStyle: true)
    ->withComposerBased(symfony: true, doctrine: true, phpunit: true);
```

## Configuration: Paths

Method	Description
withPaths(\$paths)	Define which files or directories to refactor
withRootFiles()	Include .php files in the root directory
withFileExtensions(\$extensions)	Define file extensions to process (default: php)

## Configuration: Progressive Refactoring Levels

Method	Description
withPhpLevel(\$level)	Apply PHP rules up to \$level
withTypeCoverageLevel(\$level)	Apply type coverage rules up to \$level
withTypeCoverageDocblockLevel(\$level)	Apply type coverage docblock rules up to \$level
withDeadCodeLevel(\$level)	Apply dead code rules up to \$level
withCodeQualityLevel(\$level)	Apply code quality rules up to \$level
withCodingStyleLevel(\$level)	Apply coding style rules up to \$level

## Configuration: Rule Sets

Method	Description
withPreparedSets(...)	Enable all rules from one or more built-in Rector sets
withPhpSets()	Enable all PHP rules based on required PHP version in composer.json
withPhpSets/php80: true)	Enable all PHP rules for a specific PHP version
withAttributesSets()	Enable rules to migrate annotations to attributes
withComposerBased(...)	Enable rules based on installed package versions

## Other Configuration Options

Method	Description
withSkip(\$array)	Skip certain rules and/or paths
withPhpVersion(\$version)	Specify a PhpVersion constant
withImportNames()	Import class names instead of using FQCNs
withFluentCallNewLine()	Break down fluent method calls over multiple lines
withConfiguredRule(\$rule, \$config)	Pass configuration to configurable rules