

ToDo & Co

Audit de qualité du code & performance de
l'application

Laura Lazzaro
30 May 2024


Qualité du code

Pour garantir la qualité du code j'ai utilisé:

- *PHP Code Sniffer* pour la correction automatique selon PSR-12

PHPCBF RESULT SUMMARY		
FILE	FIXED	REMAINING
src/Entity/User.php	6	0
src/Entity/Task.php	1	0
src/Controller/UserController.php	8	0
src/Controller/TaskController.php	14	0
A TOTAL OF 29 ERRORS WERE FIXED IN 4 FILES		

- *Codacy* : vérification qualité à chaque commit

 code quality **A**

Issues +1 -49

Duplication

Complexity

Diff

Files

Filter by

New issues +1

With quick fix +1

Minor +1

Code style +1

Fixed -49

Potentially new +1

Files with new issues

webpack.config.js +2

MINOR

Code style

QUICK FIX

Insert ``,`

webpack.config.js

29

30

31 -

31 +

32

"/node_modules/bootstrap/dist/js/bootstrap.bur

"/node_modules/bootstrap-datepicker/dist/js/bc

"/assets/app.js"

"/assets/app.js",

});

Introduced by Laura Lazzaro, 3 minutes ago

Time to fix: less than

Why is this an issue?

Make your code prettier

Related code pattern: [Prettier vue: Prettier](#) by ESLint

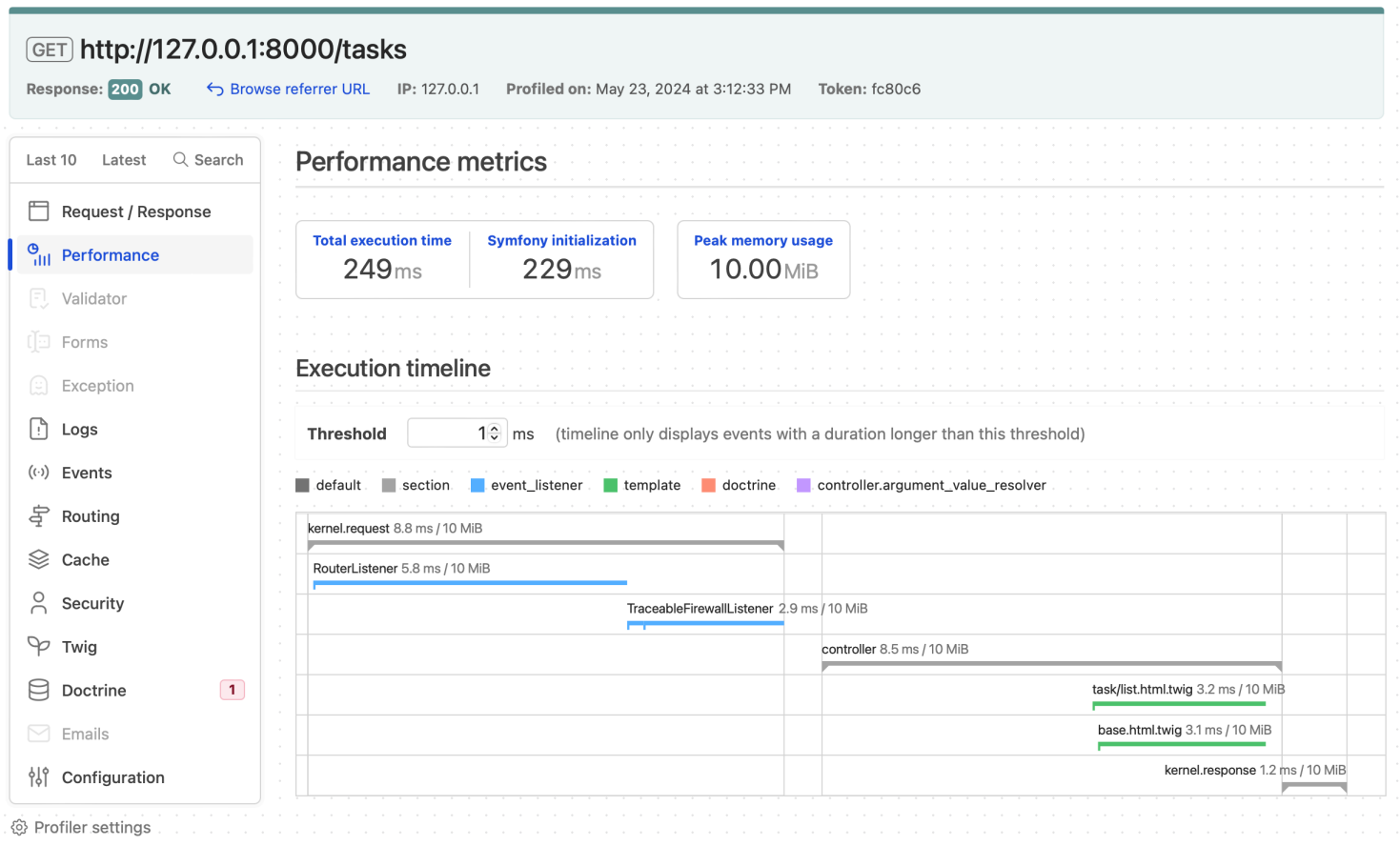
Audit qualité et performances

2

Performance

Concernant la performance, j'ai utilisé le profiler de Symfony.

Les résultats d'une première analyse étaient les suivants:



GET

http://127.0.0.1:8000/tasks

Response: 200 OK

[Browse referrer URL](#)

IP: 127.0.0.1

Profiled on: May 29, 2024 at 5:08:38 PM

Token: 804347

Last 10LatestSearch

Request / Response

Performance

Validator

Forms

Exception

Logs

Events

Routing

Cache

Security

Twig

Doctrine

Emails

Configuration

Profiler settings

Query Metrics

Database Queries4

Different statements4

Query time0.36 ms

Invalid entities0

Queries

Database Connections

Entity Managers

Second Level Cache

Entities Mapping

Group similar statements

#▲	Time	Info
1	0.08 ms	<div>SELECT t0.id AS id_1, t0.username AS username_2, t0.email AS email_3, t0.roles AS roles_4, t0.password AS password_5, t0.is_password_generated AS is_password_generated_6 FROM user t0 WHERE t0.id = ?</div> <div>Parameters: [▼ 2]</div> <div>View formatted query View runnable query Explain query View query backtrace</div>
2	0.15 ms	<div>SELECT COUNT(*) AS dctrn_count FROM (SELECT DISTINCT id_0 FROM (SELECT t0.id AS id_0, t0.created_at AS created_at_1, t0.title AS title_2, t0.content AS content_3, t0.is_done AS is_done_4 FROM task t0 WHERE t0.is_done = 0 ORDER BY t0.created_at DESC) dctrn_result) dctrn_table</div> <div>Parameters: []</div> <div>View formatted query View runnable query Explain query View query backtrace</div>
3	0.10 ms	<div>SELECT DISTINCT id_0 FROM (SELECT DISTINCT id_0, created_at_1 FROM (SELECT t0.id AS id_0, t0.created_at AS created_at_1, t0.title AS title_2, t0.content AS content_3, t0.is_done AS is_done_4 FROM task t0 WHERE t0.is_done = 0) dctrn_result_inner ORDER BY created_at_1 DESC) dctrn_result LIMIT 5</div> <div>Parameters: []</div> <div>View formatted query View runnable query Explain query View query backtrace</div>
4	0.03 ms	<div>SELECT t0.id AS id_0, t0.created_at AS created_at_1, t0.title AS title_2, t0.content AS content_3, t0.is_done AS is_done_4, t0.user_id AS user_id_5 FROM task t0 WHERE t0.is_done = 0 AND t0.id IN (?, ?, ?, ?, ?) ORDER BY t0.created_at DESC</div> <div>Parameters: [▼ 111 17 32 33 34]</div> <div>View formatted query View runnable query Explain query View query backtrace</div>

Pour améliorer la performance j'ai fait:

- Optimisé l'autoload avec: "composer dump-autoload --optimize"
- Modifié la query en utilisant pagination et LEFT JOIN.

Le résultat obtenu est:

Last 10LatestSearch

Request / Response

Performance

Validator

Forms

Exception

Logs

Events

Routing

Cache

Security

Twig

Doctrine

Emails

Configuration

Performance metrics

Total execution time

7ms

Symfony initialization

1ms

Peak memory usage

2.00MiB

Execution timeline

Threshold

1ms

(timeline only displays events with a duration longer than this threshold)

default

section

event_listener

template

doctrine

controller.argument_value_resolver

kernel.request 1.6 ms / 2 MiB		
TraceableFirewallListener 1.3 ms / 2 MiB		
	controller 2.8 ms / 2 MiB	
		task/list.html.twig 1.1 ms / 2 MiB
		base.html.twig 1.1 ms / 2 MiB

Last 10LatestSearch

Request / Response

Performance

Validator

Forms

Exception

Logs

Events

Routing

Cache

Security

Twig

Doctrine

Emails

Configuration

Profiler settings

Query Metrics

Database Queries

4

Different statements

4

Query time

0.16 ms

Invalid entities

0

QueriesDatabase ConnectionsEntity ManagersSecond Level CacheEntities Mapping

Group similar statements

#▲	Time	Info
1	0.02 ms	<div>SELECT t0.id AS id_1, t0.username AS username_2, t0.email AS email_3, t0.roles AS roles_4, t0.password AS password_5, t0.is_password_generated AS is_password_generated_6 FROM user t0 WHERE t0.id = ? Parameters: [▼ 2] View formatted query View runnable query Explain query View query backtrack</div>
2	0.07 ms	<div>SELECT COUNT(*) AS dctrn_count FROM (SELECT DISTINCT id_0 FROM (SELECT t0_.id AS id_0, t0_.created_at AS created_at_1, t0_.title AS title_2, t0_.content AS content_3, t0_.is_done AS is_done_4, u1_.id AS id_5, u1_.username AS username_6, u1_.email AS email_7, u1_.roles AS roles_8, u1_.password AS password_9, u1_.is_password_generated AS is_password_generated_10 FROM task t0_ LEFT JOIN user u1_ ON t0_.user_id = u1_.id WHERE t0_.is_done = 0 ORDER BY t0_.created_at DESC) dctrn_result) dctrn_table Parameters: [] View formatted query View runnable query Explain query View query backtrack</div>
3	0.06 ms	<div>SELECT DISTINCT id_0 FROM (SELECT DISTINCT id_0, created_at_1 FROM (SELECT t0_.id AS id_0, t0_.created_at AS created_at_1, t0_.title AS title_2, t0_.content AS content_3, t0_.is_done AS is_done_4, u1_.id AS id_5, u1_.username AS username_6, u1_.email AS email_7, u1_.roles AS roles_8, u1_.password AS password_9, u1_.is_password_generated AS is_password_generated_10 FROM task t0_ LEFT JOIN user u1_ ON t0_.user_id = u1_.id WHERE t0_.is_done = 0) dctrn_result_inner ORDER BY created_at_1 DESC) dctrn_result LIMIT 5 Parameters: [] View formatted query View runnable query Explain query View query backtrack</div>
4	0.02 ms	<div>SELECT t0_.id AS id_0, t0_.created_at AS created_at_1, t0_.title AS title_2, t0_.content AS content_3, t0_.is_done AS is_done_4, u1_.id AS id_5, u1_.username AS username_6, u1_.email AS email_7, u1_.roles AS roles_8, u1_.password AS password_9, u1_.is_password_generated AS is_password_generated_10, t0_.user_id AS user_id_11 FROM task t0_ LEFT JOIN user u1_ ON t0_.user_id = u1_.id WHERE t0_.is_done = 0 AND t0_.id IN (?, ?, ?, ?, ?) ORDER BY t0_.created_at DESC Parameters: [▼ 111 17 32 33 34]</div>