

Audit de performances

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1. Configuration

1.1. Environnement de production

On passe en environnement de production pour être au plus près de l'environnement final et pour gagner en performances. En effet, la barre de debug Symfony présente en environnement de développement diminue les performances de l'application.

2. Optimisations recommandées

<https://symfony.com/doc/current/performance.html#performance-checklists>

2.1. Activation du cache PHP (OPCache)

<https://symfony.com/doc/current/performance.html#performance-checklists>

2.2. Optimisation de l'auto-loading de Composer.

<https://getcomposer.org/doc/articles/autoloader-optimization.md>

- `composer dump-autoload --no-dev --classmap-authoritative`

2.2.1. Level 1 Class map generation

Dans **composer.json**,

```
"config": {  
    "optimize-autoloader": true,
```

2.2.2. Level 2

A. 2.2.2.1. Authoritative class maps

Dans **composer.json**,

```
"config": {  
    "classmap-authoritative": true,
```

B. 2.2.2.2. APCu cache

Dans **composer.json**,

```
"config": {  
  "apcu-autoloader": true
```

2.3. Recommandations de Blackfire

Dans le fichier **.blackfire.yaml** à la racine du projet, on insère le code suivant

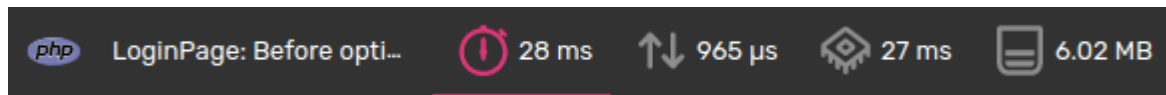
```
recommendations:  
  php.symfony.avoid_dot_env_parsing:  
    enabled: false  
  php.php_preloading:  
    enabled: false  
  php.dump_composer_autoloader_classmap:  
    enabled: false
```

- On désactive le parsing du fichier. env en production
- On désactive php preloading
- On désactive classmap dump

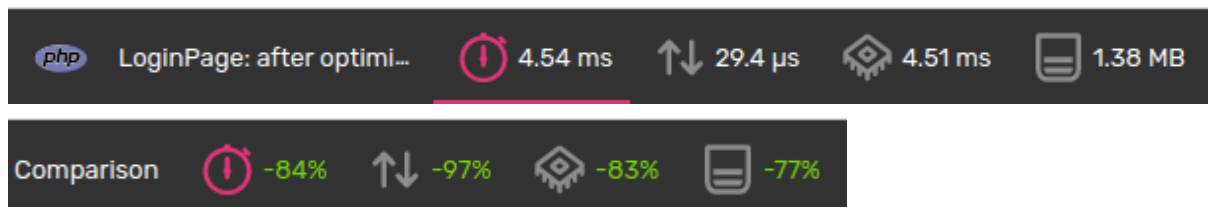
3. Analyse à l'affichage

3.1. Login page

3.1.1. Avant optimisations

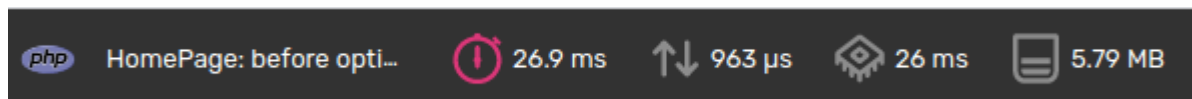


3.1.2. Après optimisations

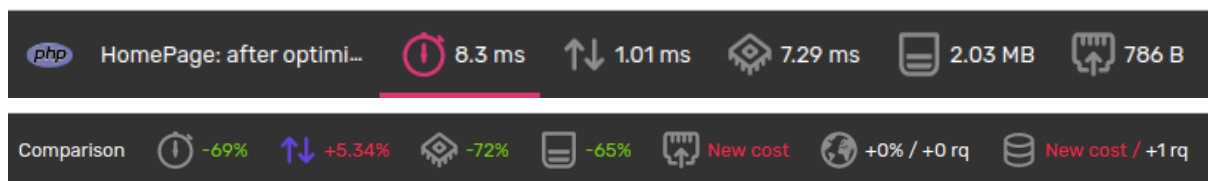


3.2. Home page

3.2.1. Avant optimisations

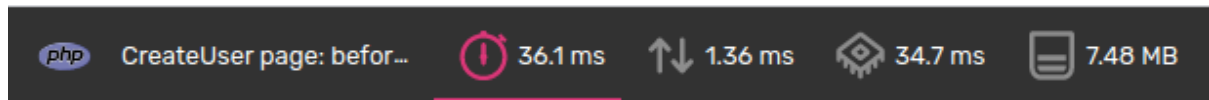


3.2.2. Après optimisations

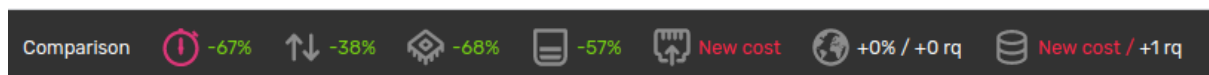
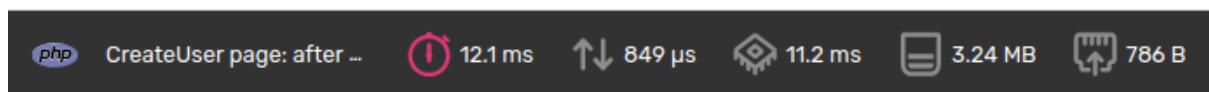


3.3. Create User page

3.3.1. Avant optimisations

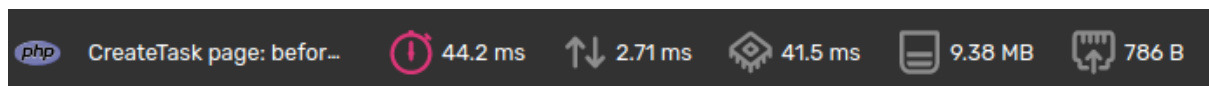


3.3.2. Après optimisations



3.4. Create Task page

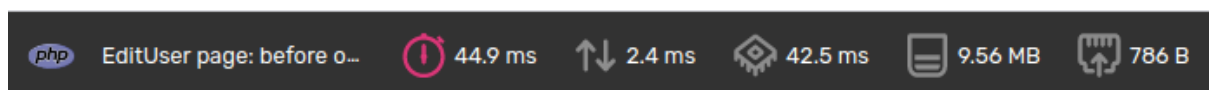
3.4.1. Avant optimisations



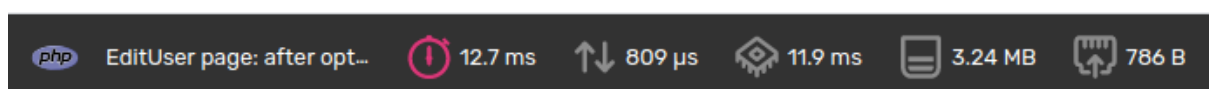
3.4.2. Après optimisations

3.5. Edit User page

3.5.1. Avant optimisations

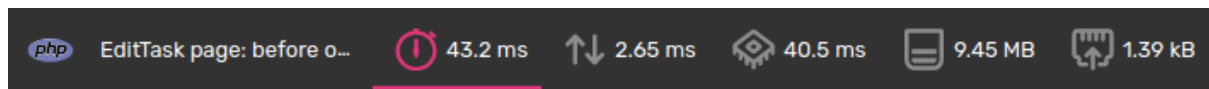


3.5.2. Après optimisations

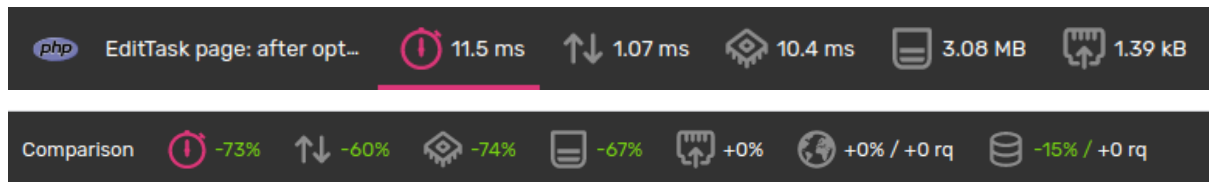


3.6. Edit Task Page

3.6.1. Avant optimisations

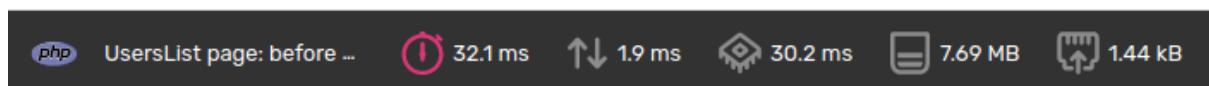


3.6.2. Après optimisations

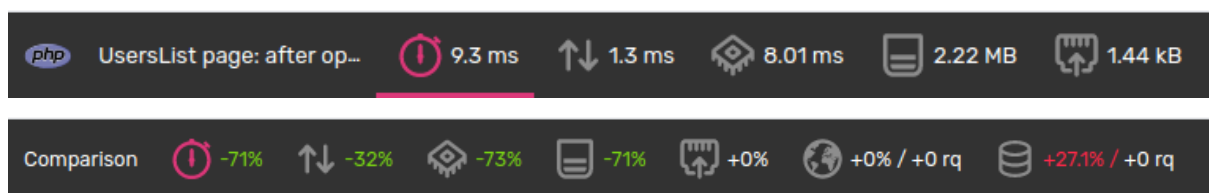


3.7. User list page

3.7.1. Avant optimisations

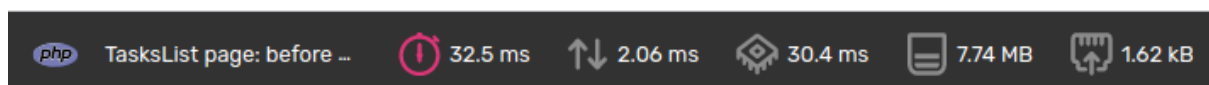


3.7.2. Après optimisations

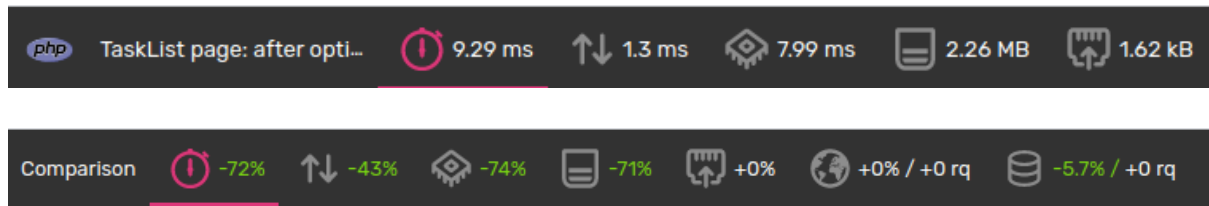


3.8. Task list page

3.8.1. Avant optimisations



3.8.2. Après optimisations



4. Analyse des soumissions de formulaires avec cURL

4.1. Login Check

4.1.1. Requête

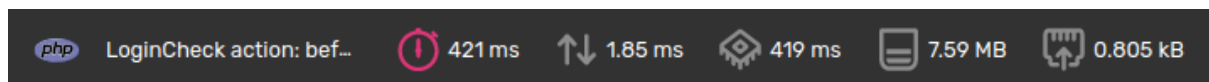
```
sudo blackfire curl 'https://127.0.0.1:8002/login_check' \  
> -H 'authority: 127.0.0.1:8002' \  
> -H 'pragma: no-cache' \  
> -H 'cache-control: no-cache' \  
> -H 'sec-ch-ua: " Not A;Brand";v="99", "Chromium";v="90",  
"Google Chrome";v="90"' \  
> -H 'sec-ch-ua-mobile: ?0' \  
> -H 'upgrade-insecure-requests: 1' \  
> -H 'origin: https://127.0.0.1:8002' \  
> -H 'content-type: application/x-www-form-urlencoded' \  
> -H 'user-agent: Mozilla/5.0 (X11; Linux x86_64)  
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93  
Safari/537.36' \  
> -H 'accept:  
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,i  
mage/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=  
0.9' \  
> -H 'sec-fetch-site: same-origin' \  
> -H 'sec-fetch-mode: navigate' \  
> -H 'sec-fetch-user: ?1' \  
> -H 'sec-fetch-dest: document' \  
> -H 'referrer: https://127.0.0.1:8002/login' \  
> -H 'accept-language: fr-FR,fr;q=0.9,en-US;q=0.8,en;q=0.7' \  
> -H 'cookie: cookieconsent_dismissed=yes;  
PHPSESSID=ki4p3an1lb62ucf2jg7v7op4gi' \  
> --data-raw '_username=admin&_password=admin' \  
> --compressed
```


4.1.2. Réponse

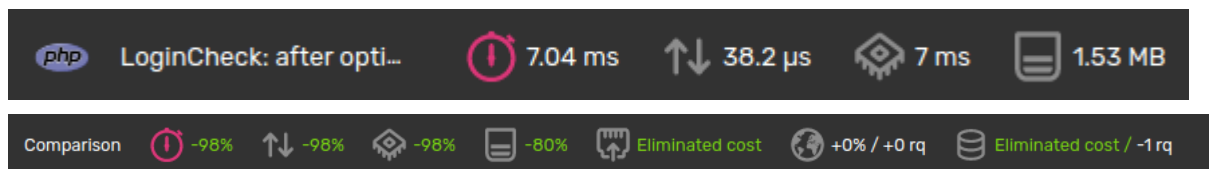
```
Profiling: [#####] 100%
Blackfire cURL completed
Graph
https://blackfire.io/profiles/b46fc8bc-0eea-499e-876c-fac56d007f76/graph
Timeline
https://blackfire.io/profiles/b46fc8bc-0eea-499e-876c-fac56d007f76/graph?settings%5Bdimension%5D=timeline
No tests!          Create some now
https://blackfire.io/docs/testing-cookbooks/tests
4 recommendations
https://blackfire.io/profiles/b46fc8bc-0eea-499e-876c-fac56d007f76/graph?settings%5BtabPane%5D=recommendations

Wall Time      421ms
I/O Wait       1.85ms
CPU Time       419ms
Memory         7.24MB
Network        n/a      n/a      n/a
SQL            289µs    1rq
```

4.1.2.1. Avant optimisation



4.1.2.2. Après optimisation



4.2. EditUser

4.2.1. Requête

```
sudo blackfire curl 'https://127.0.0.1:8002/users/25/edit' \  
> -H 'authority: 127.0.0.1:8002' \  
>
```

```

> -H 'pragma: no-cache' \
> -H 'cache-control: no-cache' \
> -H 'sec-ch-ua: " Not A;Brand";v="99", "Chromium";v="90",
"Google Chrome";v="90"' \
> -H 'sec-ch-ua-mobile: ?0' \
> -H 'upgrade-insecure-requests: 1' \
> -H 'origin: https://127.0.0.1:8002' \
> -H 'content-type: application/x-www-form-urlencoded' \
> -H 'user-agent: Mozilla/5.0 (X11; Linux x86_64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93
Safari/537.36' \
> -H 'accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,i
mage/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=
0.9' \
> -H 'sec-fetch-site: same-origin' \
> -H 'sec-fetch-mode: navigate' \
> -H 'sec-fetch-user: ?1' \
> -H 'sec-fetch-dest: document' \
> -H 'referrer: https://127.0.0.1:8002/users/25/edit' \
> -H 'accept-language: fr-FR,fr;q=0.9,en-US;q=0.8,en;q=0.7' \
> -H 'cookie: cookieconsent_dismissed=yes;
PHPSESSID=415tshbqtghj1rvrv3bfr7oldh' \
> --data-raw
'user%5Busername%5D=admin&user%5Bpassword%5D%5Bfirst%5D=test&user%
5Bpassword%5D%5Bsecond%5D=test&user%5Bemail%5D=admin%40todo.list&u
ser%5Brole%5D=ROLE_A
DMIN&user%5B_token%5D=ZtmtDo2xCtGmAunjWbXN7Jl_eCm8SCzzXI0nDhn8r0U'
\
> --compressed

```

4.2.2. Reponse

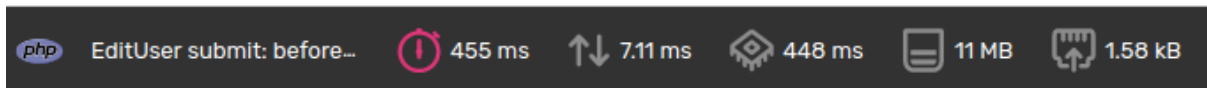
```

Profiling: [#####] 100%
Blackfire cURL completed
Graph
https://blackfire.io/profiles/08a3fb40-87c1-4134-8c91-a622c94cccd4/graph
Timeline
https://blackfire.io/profiles/08a3fb40-87c1-4134-8c91-a622c94cccd4/graph?settings%5Bdimension%5D=timeline
No tests! Create some now
https://blackfire.io/docs/testing-cookbooks/tests
4 recommendations
https://blackfire.io/profiles/08a3fb40-87c1-4134-8c91-a622c94cccd4/graph?settings%5BtabPane%5D=recommendations

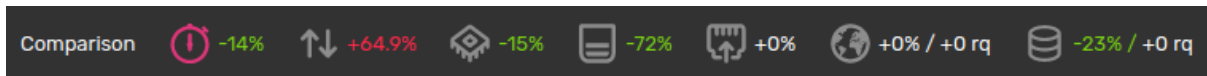
```

Wall Time	455ms		
I/O Wait	7.11ms		
CPU Time	448ms		
Memory	10.5MB		
Network	n/a	n/a	n/a
SQL	989µs	3rq	

4.2.2.1. Avant optimisation



4.2.2.2. Après optimisation



4.3. CreateUser

4.3.1. Requête

```

sudo blackfire curl 'https://127.0.0.1:8002/users/create' \
> -H 'authority: 127.0.0.1:8002' \
> -H 'pragma: no-cache' \
> -H 'cache-control: no-cache' \
> -H 'sec-ch-ua: " Not A;Brand";v="99", "Chromium";v="90", "Google Chrome";v="90"' \
> -H 'sec-ch-ua-mobile: ?0' \
> -H 'upgrade-insecure-requests: 1' \
> -H 'origin: https://127.0.0.1:8002' \
> -H 'content-type: application/x-www-form-urlencoded' \
> -H 'user-agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93 Safari/537.36' \
> -H 'accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9' \

```

```

> -H 'sec-fetch-site: same-origin' \
> -H 'sec-fetch-mode: navigate' \
> -H 'sec-fetch-user: ?1' \
> -H 'sec-fetch-dest: document' \
> -H 'referrer: https://127.0.0.1:8002/users/create' \
> -H 'accept-language: fr-FR,fr;q=0.9,en-US;q=0.8,en;q=0.7' \
> -H 'cookie: cookieconsent_dismissed=yes;
PHPSESSID=415tshbqtghj1rvrv3bfr7oldh' \
> --data-raw
'user%5Busername%5D=test&user%5Bpassword%5D%5Bfirst%5D=test&user%5
Bpassword%5D%5Bsecond%5D=test&user%5Bemail%5D=test%40teste.com&use
r%5Brole%5D=ROLE_USE
R&user%5B_token%5D=ZtmtDo2xCtGmAunjWbXN7Jl_eCm8SCzzXI0nDhn8r0U' \
> --compressed

```

4.3.2. Réponse

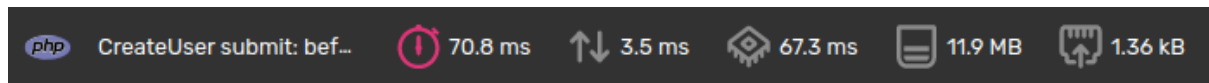
```

Profiling: [#####] 100%
Blackfire cURL completed
Graph
https://blackfire.io/profiles/a53769f9-76a4-4726-a183-9993afb22b96/graph
Timeline
https://blackfire.io/profiles/a53769f9-76a4-4726-a183-9993afb22b96/graph?settings%5Bdimension%5D=timeline
No tests! Create some now
https://blackfire.io/docs/testing-cookbooks/tests
4 recommendations
https://blackfire.io/profiles/a53769f9-76a4-4726-a183-9993afb22b96/graph?settings%5BtabPane%5D=recommendations

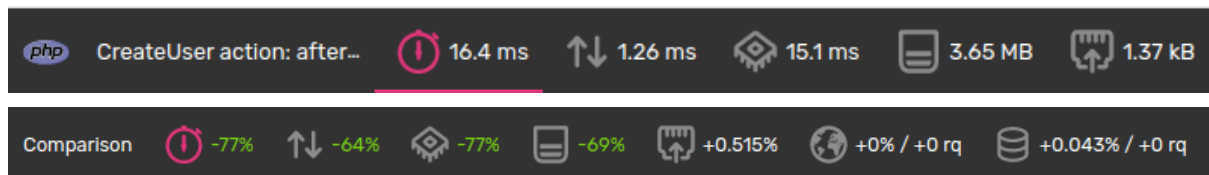
Memory      11.4MB
Wall Time   70.8ms
I/O Wait    3.5ms
CPU Time    67.3ms
Network     n/a      n/a      n/a
SQL         544µs    2rq

```

4.3.2.1. Avant optimisation



4.3.2.2. Après optimisation



4.4. CreateTask

4.4.1. Requête

```
sudo blackfire curl 'https://127.0.0.1:8002/tasks/create' \  
> -H 'authority: 127.0.0.1:8002' \  
> -H 'pragma: no-cache' \  
> -H 'cache-control: no-cache' \  
> -H 'sec-ch-ua: " Not A;Brand";v="99", "Chromium";v="90",  
"Google Chrome";v="90"' \  
> -H 'sec-ch-ua-mobile: ?0' \  
> -H 'upgrade-insecure-requests: 1' \  
> -H 'origin: https://127.0.0.1:8002' \  
> -H 'content-type: application/x-www-form-urlencoded' \  
> -H 'user-agent: Mozilla/5.0 (X11; Linux x86_64)  
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93  
Safari/537.36' \  
> -H 'accept:  
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,i  
mage/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=  
0.9' \  
> -H 'sec-fetch-site: same-origin' \  
> -H 'sec-fetch-mode: navigate' \  
> -H 'sec-fetch-user: ?1' \  
> -H 'sec-fetch-dest: document' \  
> -H 'referrer: https://127.0.0.1:8002/tasks/create' \  
> -H 'accept-language: fr-FR,fr;q=0.9,en-US;q=0.8,en;q=0.7' \  

```

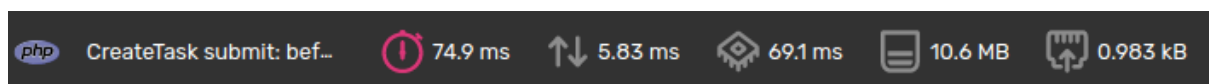
```
> -H 'cookie: cookieconsent_dismissed=yes;
PHPSESSID=415tshbqtghj1rvrv3bfr7oldh' \
> --data-raw 'task%5Btitle
```

4.4.2. Réponse

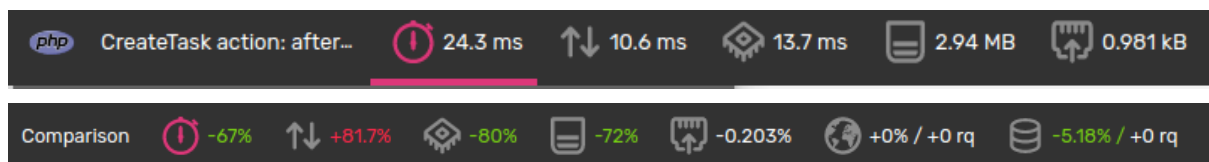
```
Profiling: [#####] 100%
Blackfire cURL completed
Graph
https://blackfire.io/profiles/70a7a564-d97a-4bac-a7ec-33d2cf9183f9/graph
Timeline
https://blackfire.io/profiles/70a7a564-d97a-4bac-a7ec-33d2cf9183f9/graph?settings%5Bdimension%5D=timeline
No tests! Create some now
https://blackfire.io/docs/testing-cookbooks/tests
4 recommendations
https://blackfire.io/profiles/70a7a564-d97a-4bac-a7ec-33d2cf9183f9/graph?settings%5BtabPane%5D=recommendations

Wall Time      74.9ms
I/O Wait       5.83ms
CPU Time        69.1ms
Memory          10.1MB
Network         n/a      n/a      n/a
SQL             745µs     2rq
```

4.4.2.1. Avant optimisation



Après optimisation



4.5. ToggleTask (marquer comme faite / marquer comme non faite)

4.5.1. Requête

```
sudo blackfire curl 'https://127.0.0.1:8002/tasks/44/toggle?' \  
> -H 'authority: 127.0.0.1:8002' \  
> -H 'pragma: no-cache' \  
> -H 'cache-control: no-cache' \  
> -H 'sec-ch-ua: " Not A;Brand";v="99", "Chromium";v="90",  
"Google Chrome";v="90"' \  
> -H 'sec-ch-ua-mobile: ?0' \  
> -H 'upgrade-insecure-requests: 1' \  
> -H 'user-agent: Mozilla/5.0 (X11; Linux x86_64)  
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93  
Safari/537.36' \  
> -H 'accept:  
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,i  
mage/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=  
0.9' \  
> -H 'sec-fetch-site: same-origin' \  
> -H 'sec-fetch-mode: navigate' \  
> -H 'sec-fetch-user: ?1' \  
> -H 'sec-fetch-dest: document' \  
> -H 'referrer: https://127.0.0.1:8002/tasks' \  
> -H 'accept-language: fr-FR,fr;q=0.9,en-US;q=0.8,en;q=0.7' \  
> -H 'cookie: cookieconsent_dismissed=yes;  
PHPSESSID=415tshbqtghj1rvrv3bfr7oldh' \  
> --compressed
```

4.5.2. Réponse

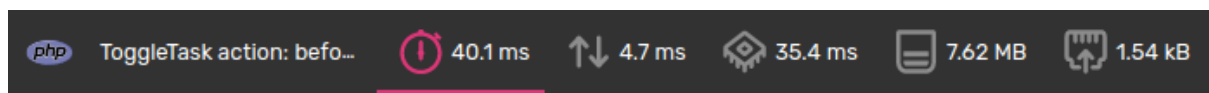
```
Profiling: [#####] 100%  
Blackfire cURL completed  
Graph  
https://blackfire.io/profiles/3c14282e-da93-4d9d-935a-ad0c96085b97/graph  
Timeline  
https://blackfire.io/profiles/3c14282e-da93-4d9d-935a-ad0c96085b97/graph?settings%5Bdimension%5D=timeline  
No tests! Create some now  
https://blackfire.io/docs/testing-cookbooks/tests
```

4 recommendations

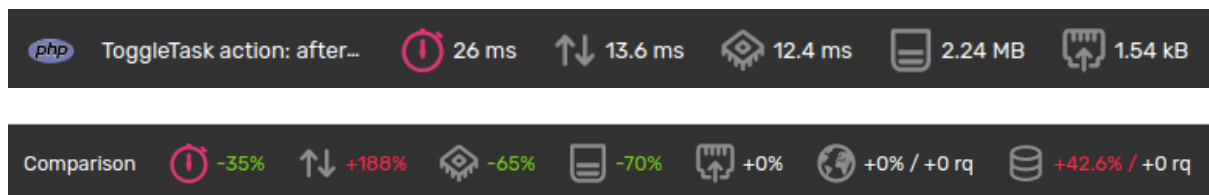
<https://blackfire.io/profiles/3c14282e-da93-4d9d-935a-ad0c96085b97/graph?settings%5BtabPane%5D=recommendations>

Wall Time	40.1ms		
I/O Wait	4.7ms		
CPU Time	35.4ms		
Memory	7.27MB		
Network	n/a	n/a	n/a
SQL	861µs	3rq	

4.5.2.1. Avant optimisation



4.5.2.2. Après optimisation



4.6. DeleteTask

4.6.1. Requête

```
sudo blackfire curl 'https://127.0.0.1:8002/tasks/44/delete?' \  
> -H 'authority: 127.0.0.1:8002' \  
> -H 'pragma: no-cache' \  
> -H 'cache-control: no-cache' \  
> -H 'sec-ch-ua: " Not A;Brand";v="99", "Chromium";v="90", "Google Chrome";v="90"' \  
> -H 'sec-ch-ua-mobile: ?0' \  
> -H 'upgrade-insecure-requests: 1' \  
> -H 'user-agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93 Safari/537.36' \  

```



```

> -H 'accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,i
mage/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=
0.9' \
> -H 'sec-fetch-site: same-origin' \
> -H 'sec-fetch-mode: navigate' \
> -H 'sec-fetch-user: ?1' \
> -H 'sec-fetch-dest: document' \
> -H 'referrer: https://127.0.0.1:8002/tasks' \
> -H 'accept-language: fr-FR,fr;q=0.9,en-US;q=0.8,en;q=0.7' \
> -H 'cookie: cookieconsent_dismissed=yes;
PHPSESSID=415tshbqtghjlrvrv3bfr7oldh' \
> --compressed

```

4.6.2. Réponse

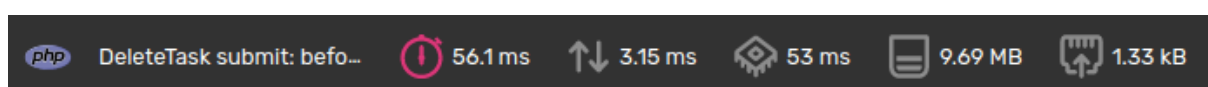
```

Profiling: [#####] 100%
Blackfire cURL completed
Graph
https://blackfire.io/profiles/062855f9-25ca-4f77-9b6a-7a63a8ffffabc/graph
Timeline
https://blackfire.io/profiles/062855f9-25ca-4f77-9b6a-7a63a8ffffabc/graph?settings%5Bdimension%5D=timeline
No tests! Create some now
https://blackfire.io/docs/testing-cookbooks/tests
4 recommendations
https://blackfire.io/profiles/062855f9-25ca-4f77-9b6a-7a63a8ffffabc/graph?settings%5BtabPane%5D=recommendations

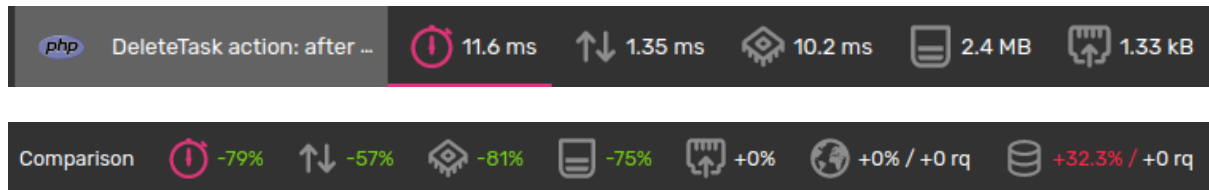
Wall Time      56.1ms
I/O Wait       3.15ms
CPU Time        53ms
Memory         9.24MB
Network        n/a      n/a      n/a
SQL            473µs    2rq

```

4.6.2.1. Avant optimisation



4.6.2.2. Après optimisations



4.7. Logout

4.7.1. Requêtes

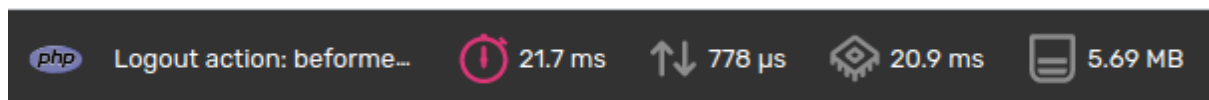
```
sudo blackfire curl 'https://127.0.0.1:8002/logout' \  
> -H 'authority: 127.0.0.1:8002' \  
> -H 'pragma: no-cache' \  
> -H 'cache-control: no-cache' \  
> -H 'sec-ch-ua: " Not A;Brand";v="99", "Chromium";v="90",  
"Google Chrome";v="90"' \  
> -H 'sec-ch-ua-mobile: ?0' \  
> -H 'upgrade-insecure-requests: 1' \  
> -H 'user-agent: Mozilla/5.0 (X11; Linux x86_64)  
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.93  
Safari/537.36' \  
> -H 'accept:  
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,i  
mage/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=  
0.9' \  
> -H 'sec-fetch-site: same-origin' \  
> -H 'sec-fetch-mode: navigate' \  
> -H 'sec-fetch-user: ?1' \  
> -H 'sec-fetch-dest: document' \  
> -H 'referrer: https://127.0.0.1:8002/tasks' \  
> -H 'accept-language: fr-FR,fr;q=0.9,en-US;q=0.8,en;q=0.7' \  
> -H 'cookie: cookieconsent_dismissed=yes;  
PHPSESSID=415tshbqtghj1rvrv3bfr7oldh' \  
> --compressed
```

4.7.2. Réponse

```
Profiling: [#####] 100%
Blackfire cURL completed
Graph
https://blackfire.io/profiles/30c3d62d-bcee-4efb-8bed-039e7fbd7c4b/graph
Timeline
https://blackfire.io/profiles/30c3d62d-bcee-4efb-8bed-039e7fbd7c4b/graph?settings%5Bdimension%5D=timeline
No tests!          Create some now
https://blackfire.io/docs/testing-cookbooks/tests
3 recommendations
https://blackfire.io/profiles/30c3d62d-bcee-4efb-8bed-039e7fbd7c4b/graph?settings%5BtabPane%5D=recommendations

Wall Time      21.7ms
I/O Wait       778µs
CPU Time       20.9ms
Memory         5.43MB
Network        n/a      n/a      n/a
SQL            n/a      n/a
```

4.7.2.1. Avant optimisation



4.7.2.2. Après optimisation

