

# Performance Monitoring

Quoi et comment mesurer ?



leboncoin  
tech

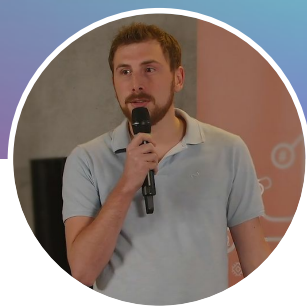
# Qui sommes-nous ?



**Jeremie Pereira**

**Frontend Architect**

@jeremieP  
jeremiep.dev



**Thibaut Sabot**

**Lead Frontend  
developer**

@thibautsabot  
thibautsabot.com

# Sommaire

- 1 - Comprendre
- 2 - Récupérer et visualiser
- 3 - Analyser et agir
- 4 - Alerter et prévenir

```
self.logdupes = True
self.debug = debug
```

```
self.fingerprints.update(request)
```

```
@classmethod
def from_settings(cls, settings):
    debug = settings.getbool('debug', True)
    return cls(job_dir(settings), debug)
```

```
def request_seen(self, request):
    fp = self.request_fingerprint(request)
    if fp in self.fingerprints:
        return True
    self.fingerprints.add(fp)
    if self.file:
        self.file.write(fp + os.linesep)
```

```
def fingerprint(self, request):
    return fingerprint(request)
```



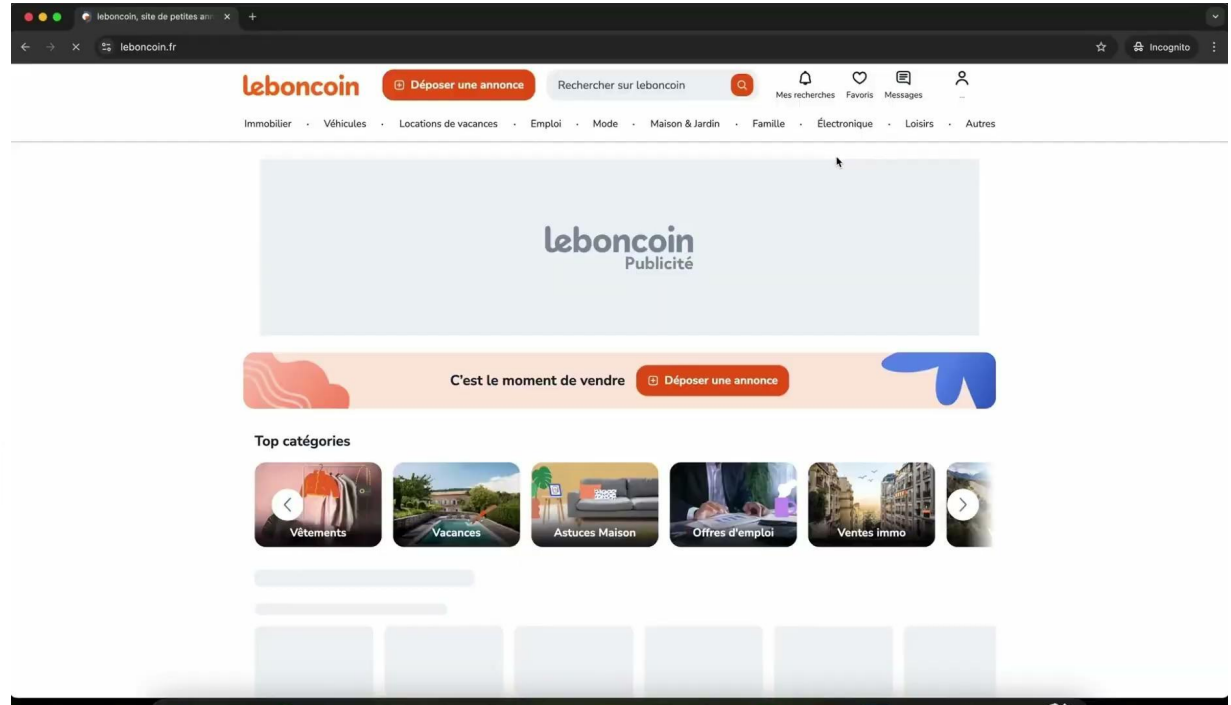
**01**

**Comprendre**

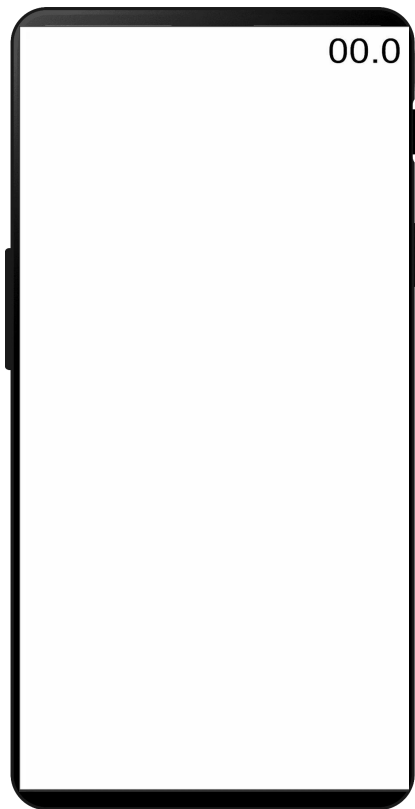
# Cumulative Layout Shift (CLS)

# CLS

Cumulative Layout Shift

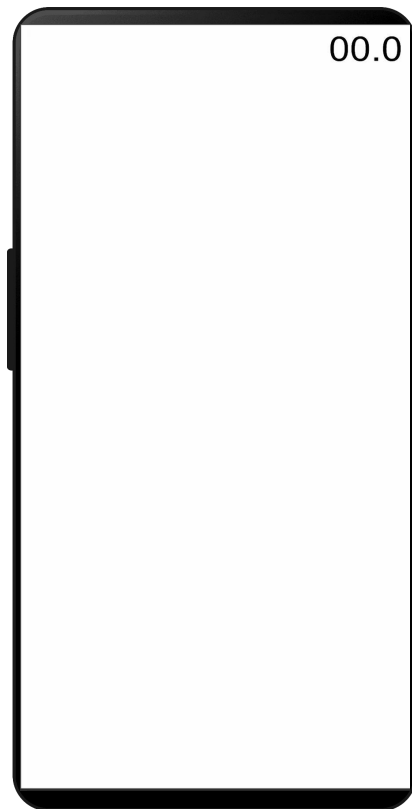


# First Contentful Paint (FCP)



# FCP

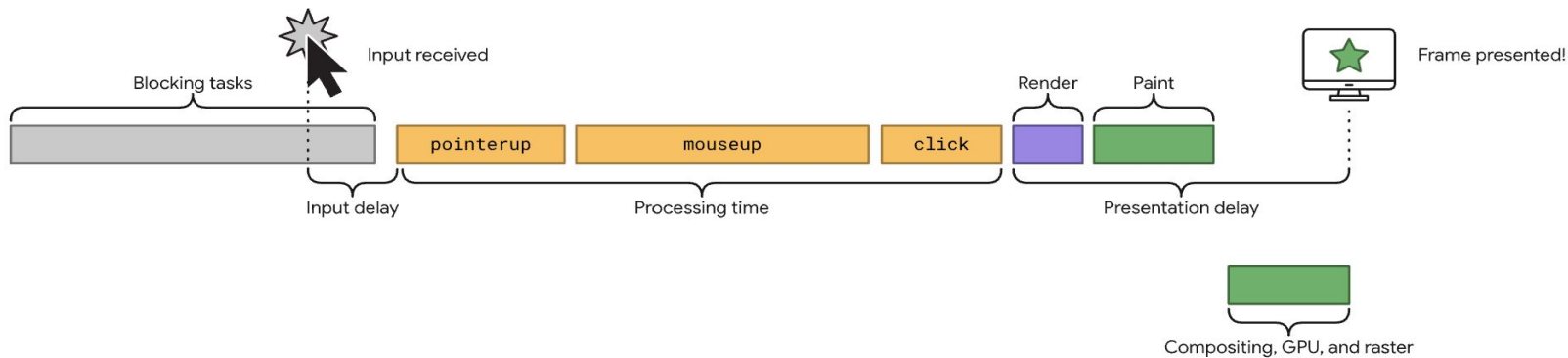
First Contentful Paint



# Interaction to Next Paint (INP)

# INP

Interaction to Next Paint



# Interaction to Next Paint (INP)

## gShoe product Q&A:

What is gShoe?

What technology does gShoe use?

How much does gShoe cost?

## gShoe product Q&A:

What is gShoe?

What technology does gShoe use?

How much does gShoe cost?

Poor responsiveness

Good responsiveness



# Anecdote : un dilemme business

## Notre habillage publicitaire

The image shows a screenshot of a Leboncoin advertisement for Sofinco. The ad is set against a teal background. At the top left, there is a lightbulb icon with a wind turbine inside, symbolizing eco-friendly energy. The main headline reads: "Comment réduire votre facture d'électricité grâce à un éclairage plus écologique ?". To the right of the headline is a pink button that says "EN SAVOIR PLUS !". The Sofinco logo is positioned in the top right corner. Below the headline, a grey banner contains the text: "Un crédit vous engage et doit être remboursé. Vérifiez vos capacités de remboursement avant de vous engager." The Leboncoin logo and a "Déposer une annonce" button are on the left. A search bar with the text "Rechercher sur leboncoin" and a magnifying glass icon is in the center. On the right, there are icons for "Mes recherches", "Favoris", "Messages", and "Se connecter". Below these are category links: "Immobilier", "Véhicules", "Locations de vacances", "Emploi", "Mode", "Maison & Jardin", "Famille", "Électronique", "Loisirs", and "Autres". A large orange banner in the middle says "C'est le moment de vendre" with a "Déposer une annonce" button. Below this is a "Top catégories" section with five tiles: "Vêtements", "Vacances", "Astuces Maison", "Sponsorisé Le coin BONNES AFFAIRES Magasins U", and "Offres d'emploi". At the bottom, the "En ce moment sur leboncoin" section shows a list of users: "lisa" (5 reviews), "lydia" (4.9 reviews, 37 items), "taf", "SB" (5 reviews, 6 items), and "patrice" (5 reviews, 55 items). On the far left and right sides of the teal background, there are vertical text blocks: "Découvrez nos astuces d'éclairage plus écologique pour alléger vos dépenses !" with an "En savoir plus" button, and the Sofinco logo.

Comment réduire votre facture d'électricité grâce à un éclairage plus écologique ?

EN SAVOIR PLUS !

sofinco

Un crédit vous engage et doit être remboursé. Vérifiez vos capacités de remboursement avant de vous engager.

leboncoin Déposer une annonce Rechercher sur leboncoin

Mes recherches Favoris Messages Se connecter

Immobilier · Véhicules · Locations de vacances · Emploi · Mode · Maison & Jardin · Famille · Électronique · Loisirs · Autres

C'est le moment de vendre Déposer une annonce

Découvrez nos astuces d'éclairage plus écologique pour alléger vos dépenses ! En savoir plus

sofinco

Top catégories

Vêtements Vacances Astuces Maison Sponsorisé Le coin BONNES AFFAIRES Magasins U Offres d'emploi

En ce moment sur leboncoin

Ameublement

Voir plus d'annonces →

lisa ★ 5 (1) lydia ★ 4,9 (37) taf SB ★ 5 (6) patrice ★ 5 (55)

# Au delà des Web Vitals

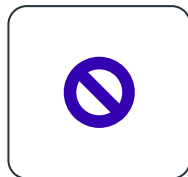
## Quelques métriques intéressantes

---



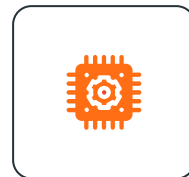
### Time To First Byte (TTFB)

Temps de réponse serveur  
Server SLA  
Load balancer status



### Status HTTP

4xx  
5xx  
  
Status OK (2xx)  
Redirections (3xx)



### CPU / RAM

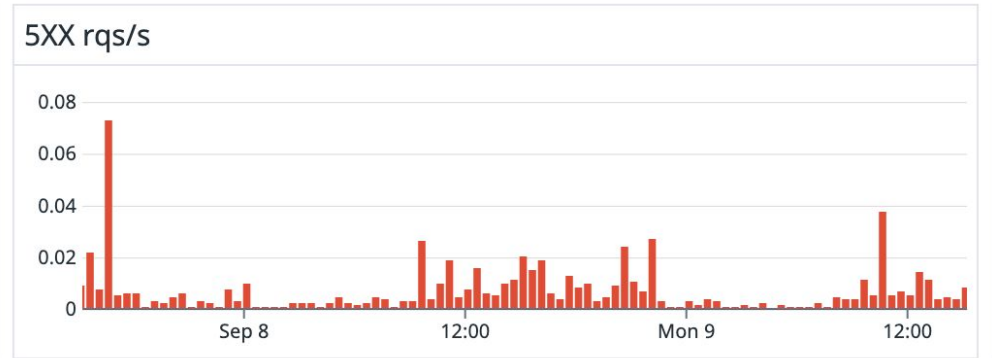
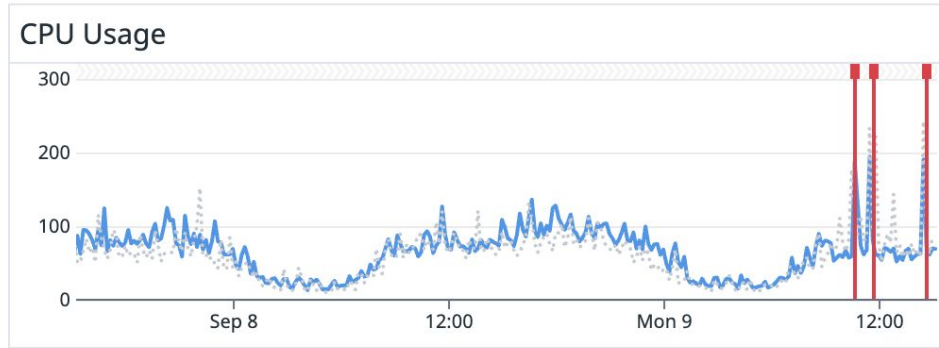
Charge des serveurs  
Reboot de Pods  
Requêtes / sec

**02**

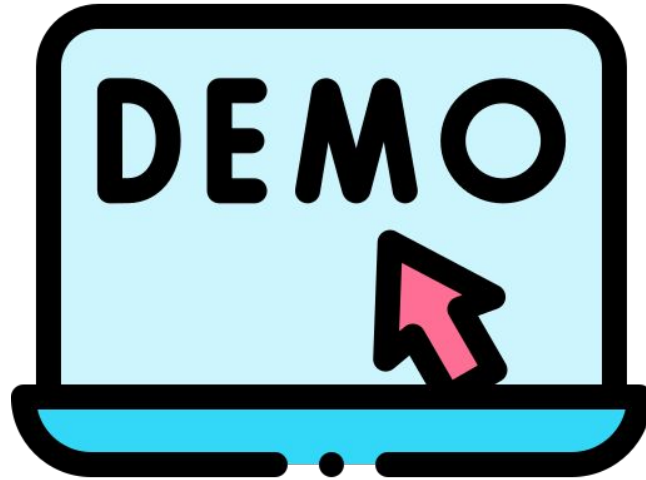


**Récupérer**  
**Visualiser**

# Lisibilité des graphs



**Demo time !**



<https://webperf-snippets.nucliweb.net/>

# Demo time !

Le seul événement français dédié à la Web Performance

w e  s p e e d

Interventions Billetterie Programme Infos pratiques Sponsors Contact

FR | EN [Acheter votre place](#)

**17**  
SEP  
2024

## L'événement français des mordus de web performance revient... à Nantes!

[Voir le programme](#) [Acheter votre place](#)

**Exponantes le Parc, Nantes**  
Route de Saint-Joseph de Porterie  
44300 Nantes, France



## Les solutions



# Google Search Console

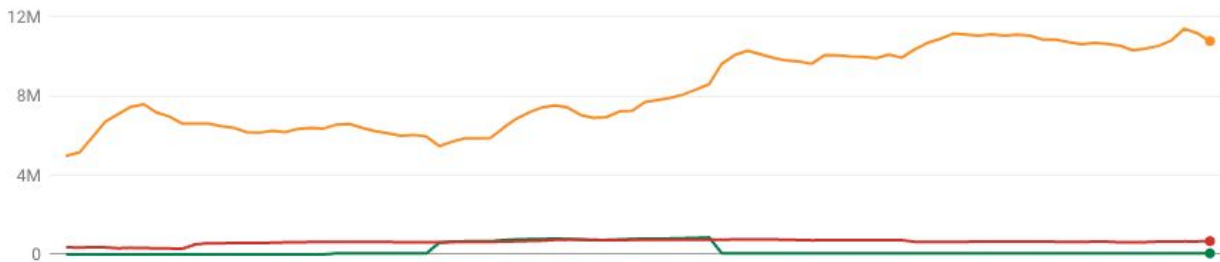
## Un allié très intéressant !

- ▼ Experience
  - 📍 Page experience
  - 📄 Core web vitals
  - 🔒 HTTPS

Desktop

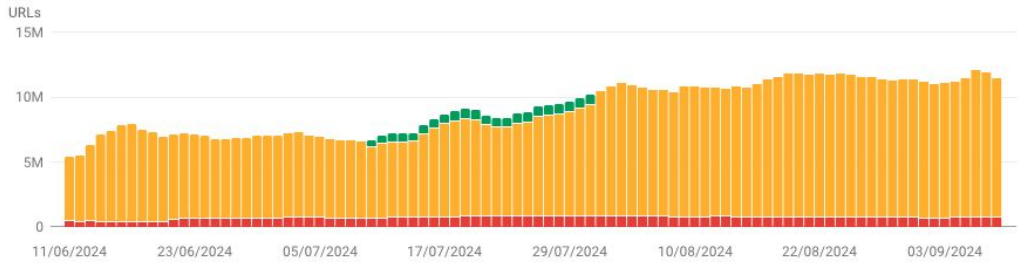
[OPEN REPORT >](#)

670,535 poor URLs    10,785,912 URLs need improvement    54,704 good URLs





<input checked="" type="checkbox"/> Poor <b>671K</b> 3 issues	<input checked="" type="checkbox"/> Need improvement <b>10.8M</b> 3 issues	<input checked="" type="checkbox"/> Good <b>54.7K</b>
---------------------------------------------------------------------	----------------------------------------------------------------------------------	----------------------------------------------------------



[View data about good URLs](#)

### Why URLs aren't considered good

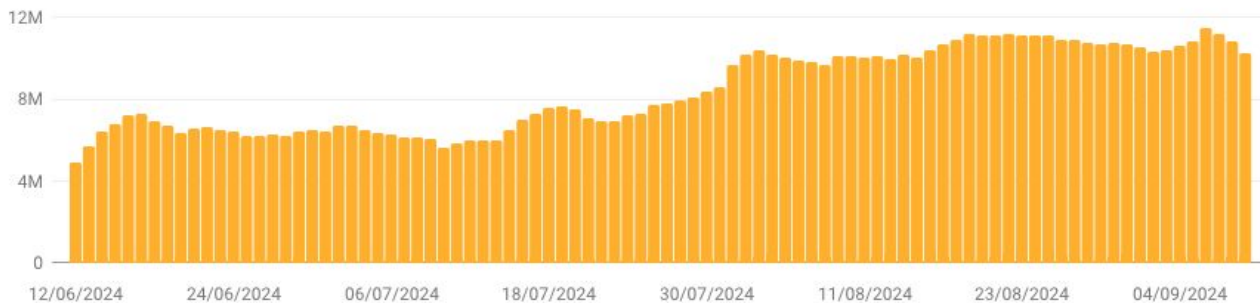
URLs with these issues don't provide a good page experience

Severity	Issue <sup>?</sup>	Validation <sup>!</sup> ↓	Trend	URLs
Need improvement	LCP issue: longer than 2.5s (desktop)	Not Started		10,806,805
Need improvement	INP issue: longer than 200 ms (desktop)	Not Started		771,389



Affected URLs

10.2M



## URL groups ?



Example URL ?

↓ Group population ?

Group LCP

[https://www.leboncoin.fr/ad/accessoires\\_bagagerie/2482797578](https://www.leboncoin.fr/ad/accessoires_bagagerie/2482797578)

8,570,785

2.9 s

[https://www.leboncoin.fr/ad/equipement\\_auto/2311649621](https://www.leboncoin.fr/ad/equipement_auto/2311649621)

707,776

3.2 s

**03**

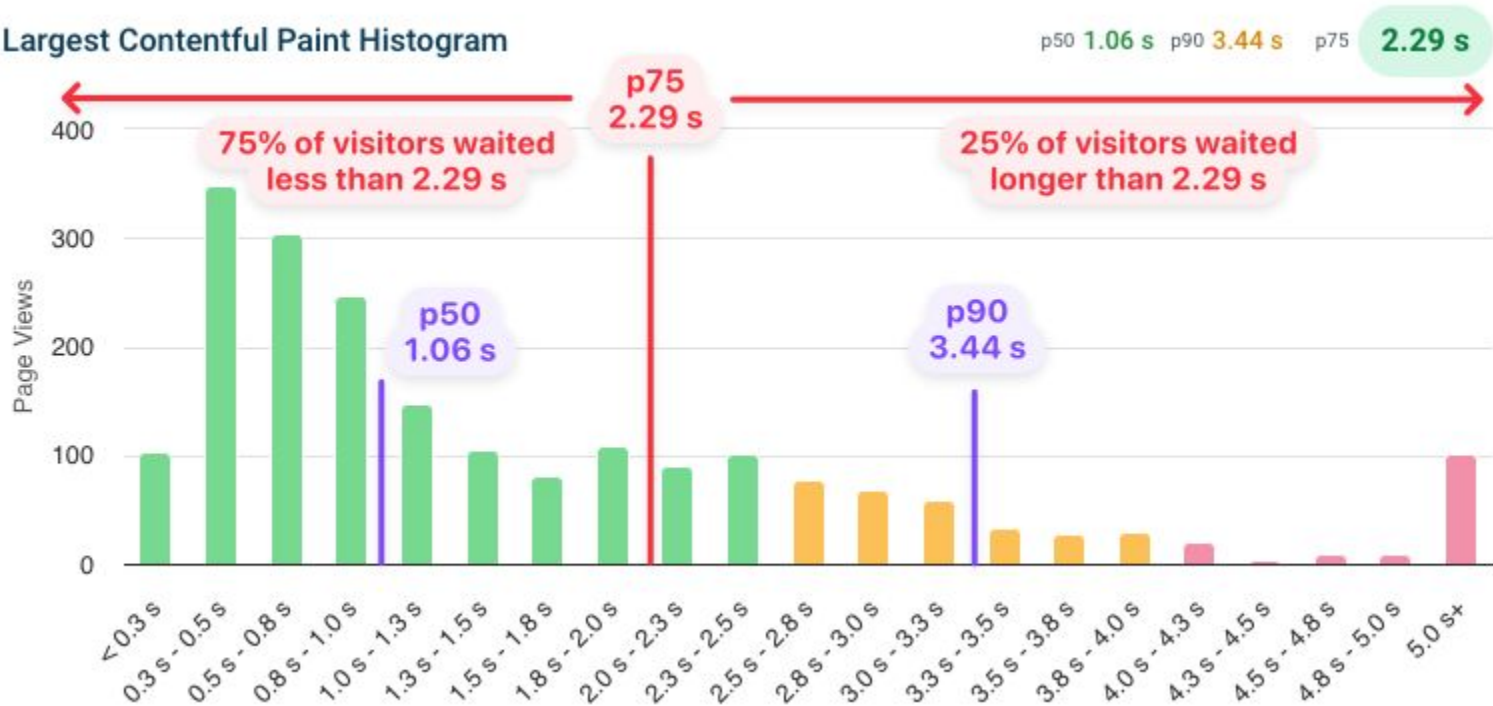


# **Analyser Agir**

# Les percentiles

## Pourcentage ? non percentiles !

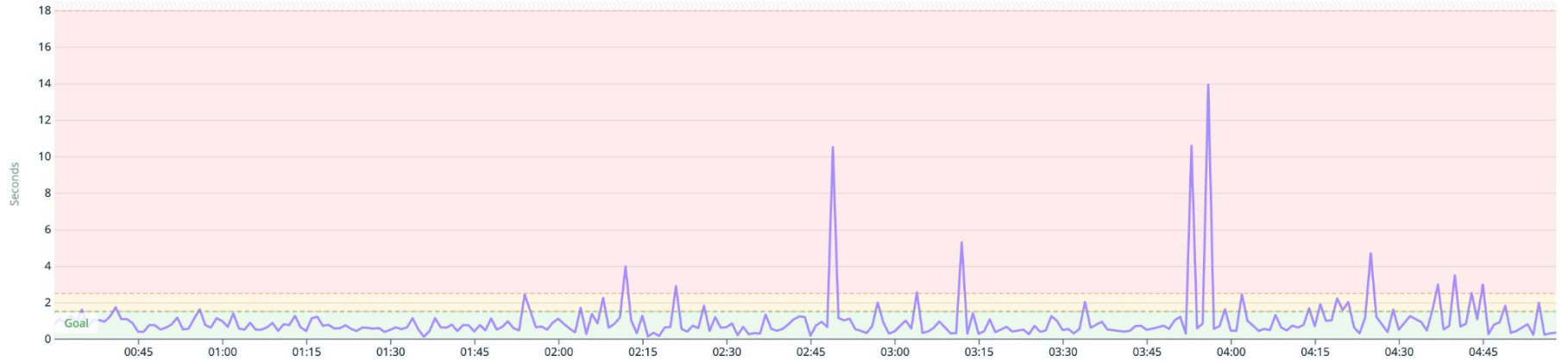
Largest Contentful Paint Histogram



# Un risque : Surinterpréter

FCP - First Contentful Paint (P75)

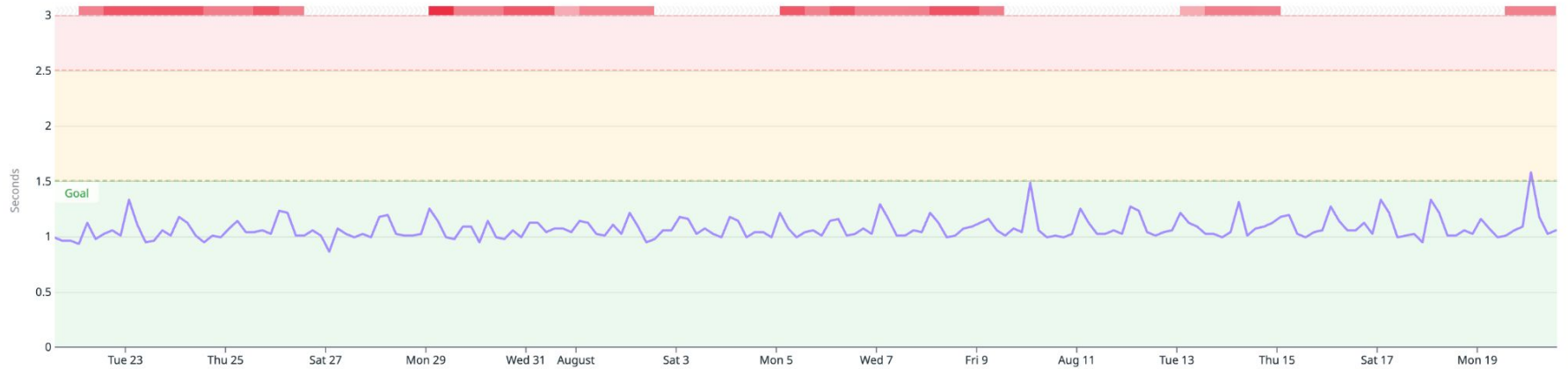
[Save to Dashboard](#) [More...](#)



# Un risque : Surinterpréter

FCP - First Contentful Paint (P75)

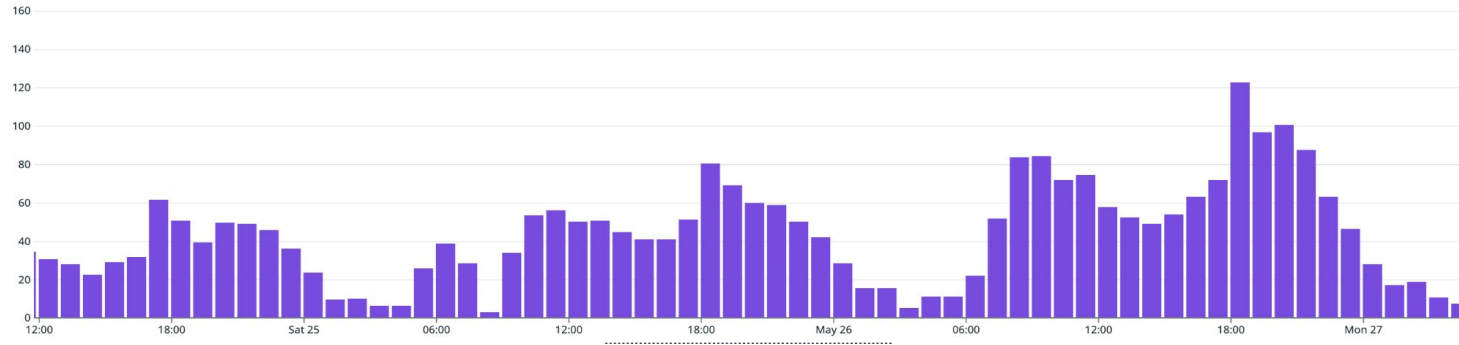
[Save to Dashboard](#) [More...](#)



# Un risque : Surinterpréter

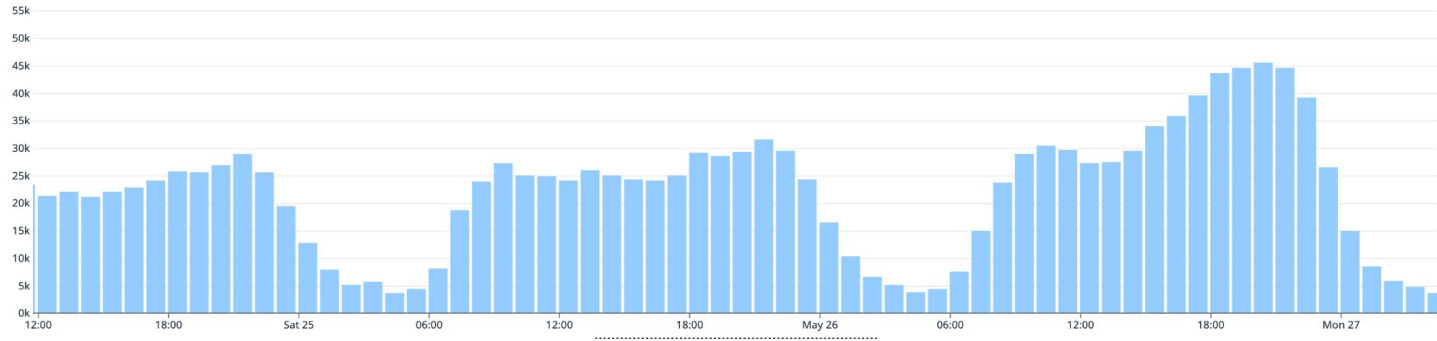
LISTING - Status 404

[Save to Dashboard](#) [More...](#)



LISTING - Status 200

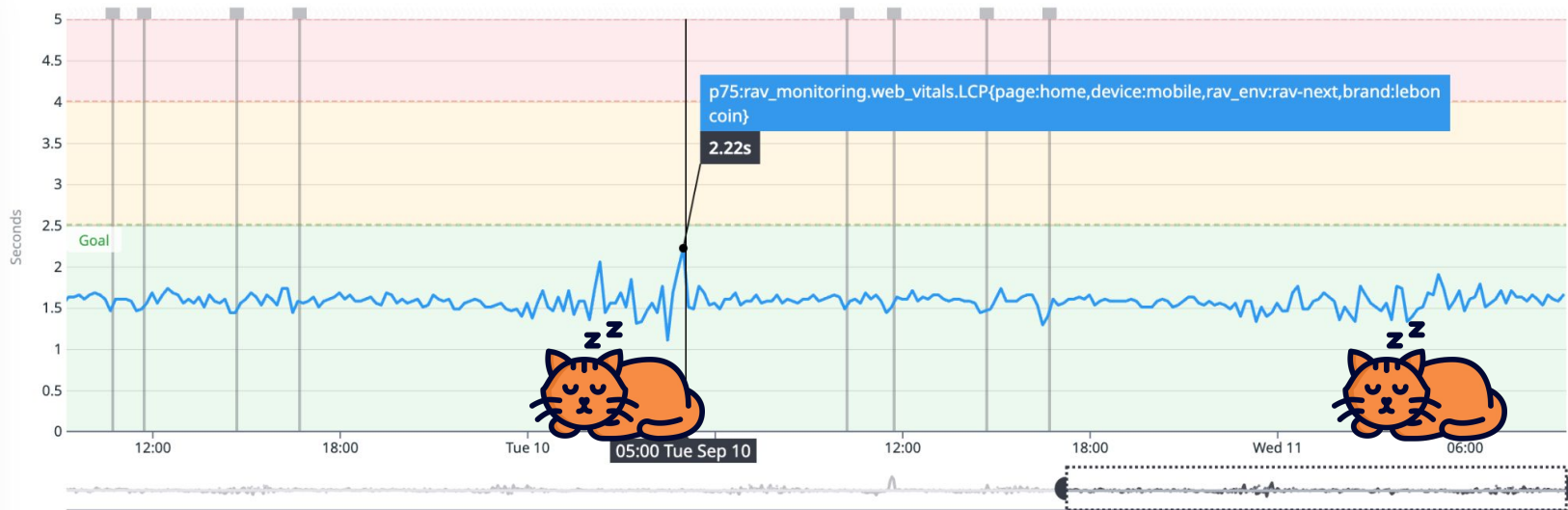
[Save to Dashboard](#) [More...](#)



# Les bizarreries

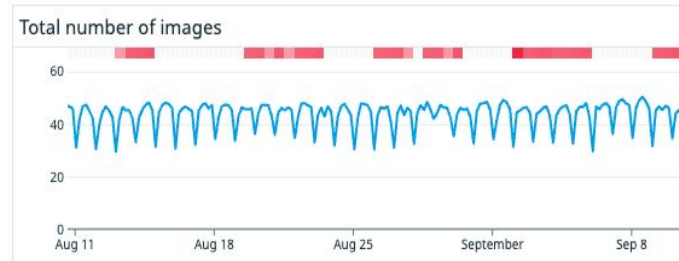
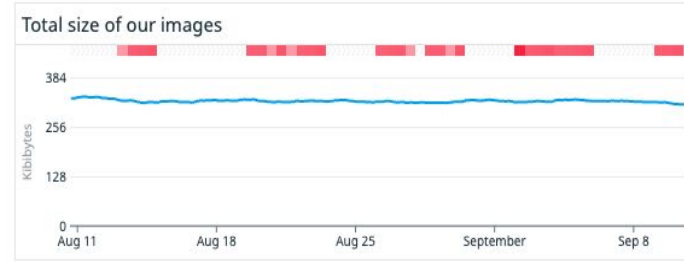
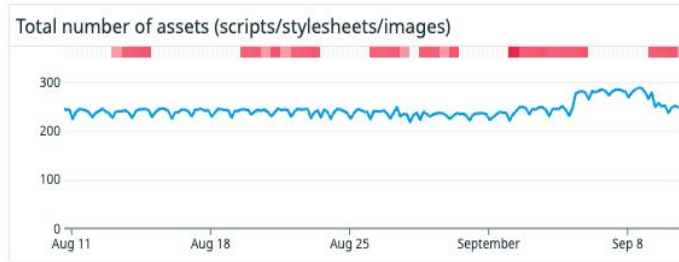
LCP

[Save to Dashboard](#) [More...](#)



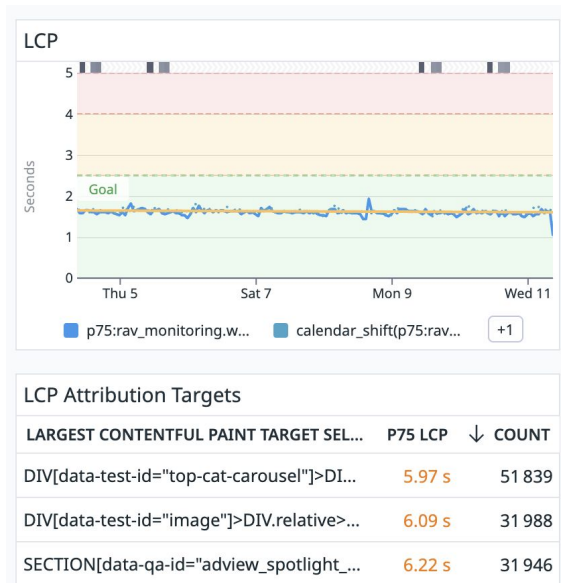


# Un risque : Sur-monitorer



# Passer à l'action !

## Utiliser le monitoring pour cibler & prioriser



### LCP Attribution Targets



LARGEST CONTENTFUL PAINT TARGET SELECTOR

P75 LCP



COUNT

DIV[data-test-id="top-cat-carousel"]>DIV.relative>UL.support...	5.97 s	51 834
DIV[data-test-id="image"]>DIV.relative>DIV.relative>PICTURE...	6.09 s	31 989
SECTION[data-qa-id="adview_spotlight_container"]>DIV.cust...	6.22 s	31 962
DIV[data-testid="notice"]>DIV.didomi-popup-view>DIV.dido...	8.91 s	12 371
SECTION[data-qa-id="adview_spotlight_container"]>DIV.hidd...	6.47 s	9 258

Dimensions: iPhone 12 Pro 390 x 844 100%

leboncoin

Rechercher sur leboncoin

PUBLICITE

C'est le moment de vendre

Déposer une annonce

Recherches récentes

Clemence75009 x Test

Toutes catégories

Toute la France

img.th-[12rem].w-[12rem].relative.block.z-base.object-cover.rounded-lg.opacity-non... 120 x 120

Vêtements Vacances Astuces Maisons

D'après vos dernières recherches

Elements Console Sources Network Performance Memory

```
<div class="mx-auto mb-none mt-xl box-content max-w-page-max">
<div class="mx-auto w-full max-w-page-max px-lg"></div>
<section aria-label="Widgets" class="mx-auto mt-md max-w-pag
<div class="pl-lg custom:pr-lg"></div>
<div class="min-h-[13rem] pl-lg custom:min-h-[15rem]">
<h2 class="mb-lg text-headline-1 text-on-basic-container"
<div data-test-id="top-cat-carousel" data-qa-id="top-cat
<div class="relative before:pointer-events-none before:
ore:z-raised before:w-[5rem] after:pointer-events-none
after:z-raised after:w-[5rem] [&_img]:max-w-none before
me(colors.transparent_94%) after:[background:linear-g
e)_94%] before:opacity-0">
::before
<ul aria-label="Carrousel du top des catégories" clas
ap-align:start]:snap-mandatory flex items-center over
tyle:none] [-webkit-overflow-scrolling:touch] [&::we
<li class="snap-start snap-always">
<a class="group relative mr-lg block size-[12rem]
s d'occasion pour femme, homme et enfant" href="/
 == $0
<div class="absolute inset-x-none bottom-none pl
0,0,.6)_10%,rgba(250,250,250,0)_100%]) text-cent
ad">Vêtements</div>
</a>
</li>
<li class="snap-start snap-always"></li>
<li class="snap-start snap-always"></li>
<li class="snap-start snap-always"></li>
<li class="snap-start snap-always"></li>
<li class="snap-start snap-always"></li>
<li class="snap-start snap-always"></li>
<li class="snap-start snap-always"></li>
<li class="snap-start snap-always"></li>
<li class="snap-start snap-always"></li>
<li class="snap-start snap-always"></li>
</ul>
<button class="absolute top-1/2 flex -translate-y-1/2
bg-surface outline-none cursor-pointer left-xl hidden
"></button>
<button class="absolute top-1/2 flex -translate-y-1/2
bg-surface outline-none cursor-pointer right-xl hidde
"></button>
```

**04**



**Alerter**  
**Prévenir**

# Avant la production

## Lighthouse-CI

github-actions (bot) commented last month • edited ▾

### Lighthouse CI Results

The following are the results of the Lighthouse CI run.

### Lighthouse Comparison Report

Note: This Ariane instance is destroyed after analysis.

URL	Performance	LCP	CLS	TBT	Link to Report
/	71/100 🟢	1102 ms 🟢	0 🟢	2710 ms 🔴	<a href="#">Report</a>
/maison_jardin/offres	64/100 🔴	2480 ms 🔴	0 🟢	6394 ms 🔴	<a href="#">Report</a>
/classified/latest/12	70/100 🔴	1817 ms 🔴	0 🟢	2457 ms 🔴	<a href="#">Report</a>

If you have any questions or need help debugging the problems feel free to contact us in [#polaris-cop-webperf](#) slack channel or check the [performance documentation](#).

leboncoin/gl-redirection-messaging

BASE

6e328010 Merge pull request #10244 from leboncoin/LBCFCT-4365-fix-adedeleted-no-photo

Base URL

https://lhci.next.ariane.leboncoin.ci/classified/latest/12

Compare URL

https://lhci.next.ariane.leboncoin.ci/classified/latest/12

Threshold

5%



Performance

+1



Accessibility

+0



Best Practices

+0



SEO

+0



PWA

-

▲ 0-49 ■ 50-89 ● 90-100 ■ Regression ■ Improvement

Metrics

OVERVIEW

MAGNIFIED

▲ Total Blocking Time 0 -111 ms 1.5

Opportunities

■ Reduce unused JavaScript



● Enable text compression



● Defer offscreen images



● Avoid serving legacy JavaScript to modern browsers



Diagnostics

▲ User Timing marks and measures



▲ Ensure text remains visible during webfont load



▲ Keep request counts low and transfer sizes small



# En production

## Alerting



Datadog APP 4:17 PM

[Triggered: 503 errors on mayds is too high](#)

@slack-Adevinta-vibrancy-search-notifs

@slack-lbc-astreinte-cv

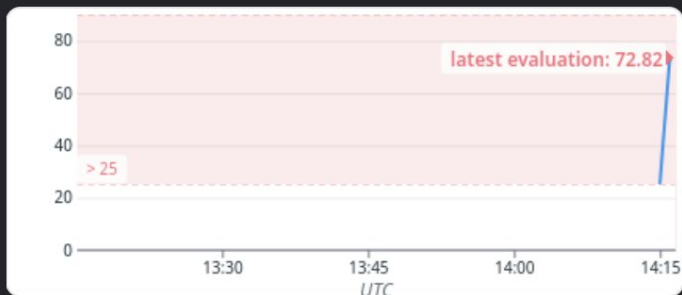
myads.response.count over status\_code:503 was > 25.0 in total during the last 5m.

Metric value: 72.821 (7 kB) ▾

**Notified**

@slack-Adevinta-vibrancy-search-notifs,

@slack-lbc-astreinte-cv

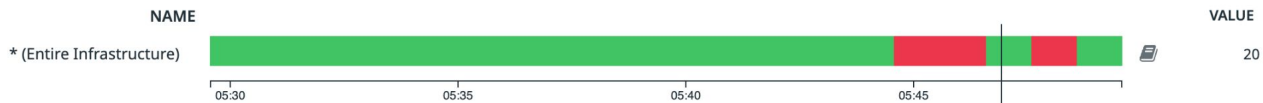


# En production

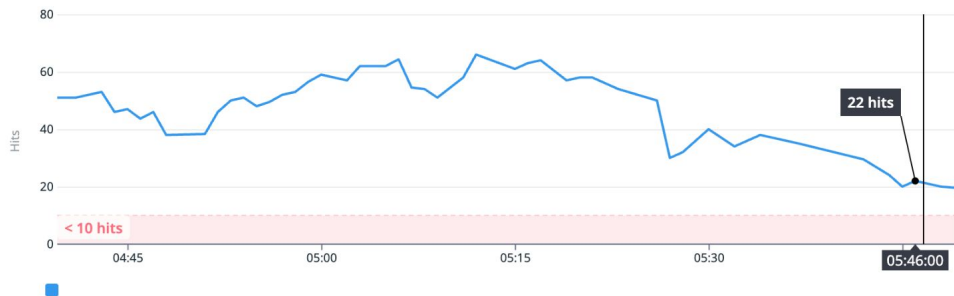
## Fixer les seuils

GROUP STATUS

Showing 1 of 1 groups | Sort by Triggered ↓



1h EVALUATION GRAPH Each point in the graph reflects an evaluation window of 15min ?



### Events

MESSAGE

DATE

[Triggered] Abnormal low number of blocket-db sync operation - ONCALL

astreinte:cv domain:account m... +4 Feb 18, 5:48:35 am

# Pour aller plus loin...

---



## Culture performance

Implication des équipes

Impacts sur les métriques



## Objectifs

KPI d'équipes

Définition des seuils



## Contribution

Open source

Partager



**Merci** we  speed

leboncoin  
tech

