



w e  s p e e d

Retour d'expérience sur 4 ans d'utilisation d'un outil de surveillance synthétique chez SeLoger

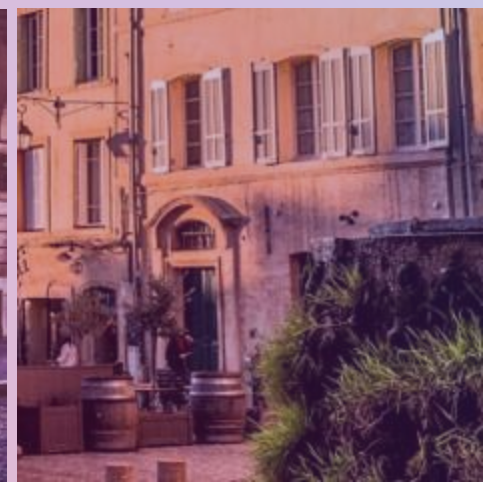
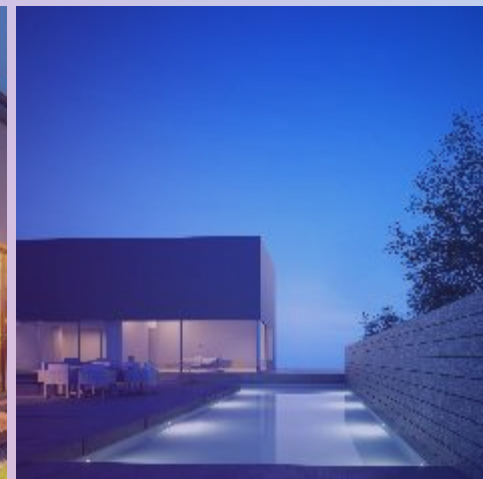
Antonio Gomes Rodrigues

1 SeLogger context

2 The rise and fall of our homemade tool

3 How we have chosen a new tool

4 How we use this tool



1

SeLoger



2



3



4



SeLogger: a lot of web sites to monitor and feature teams to help



**In 2016, SeLogger creates
a performance team to:**

HELP TEAMS

Audit

Teach methodology

Coordinate (HTTP/2 migration...)

CHOOSE PERFORMANCE TOOLS

Synthetic Monitoring, APM, load test...

REPORT

Monthly report to board

Monthly report on TV wallboards

1

2

The rise and fall of our
homemade tool

3

4

The genesis of our Synthetic Monitoring tool

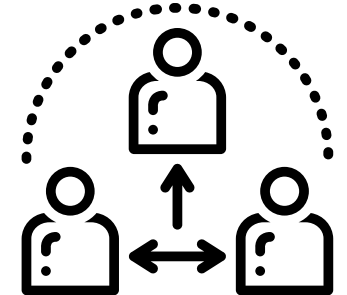
Our needs



Our KPI

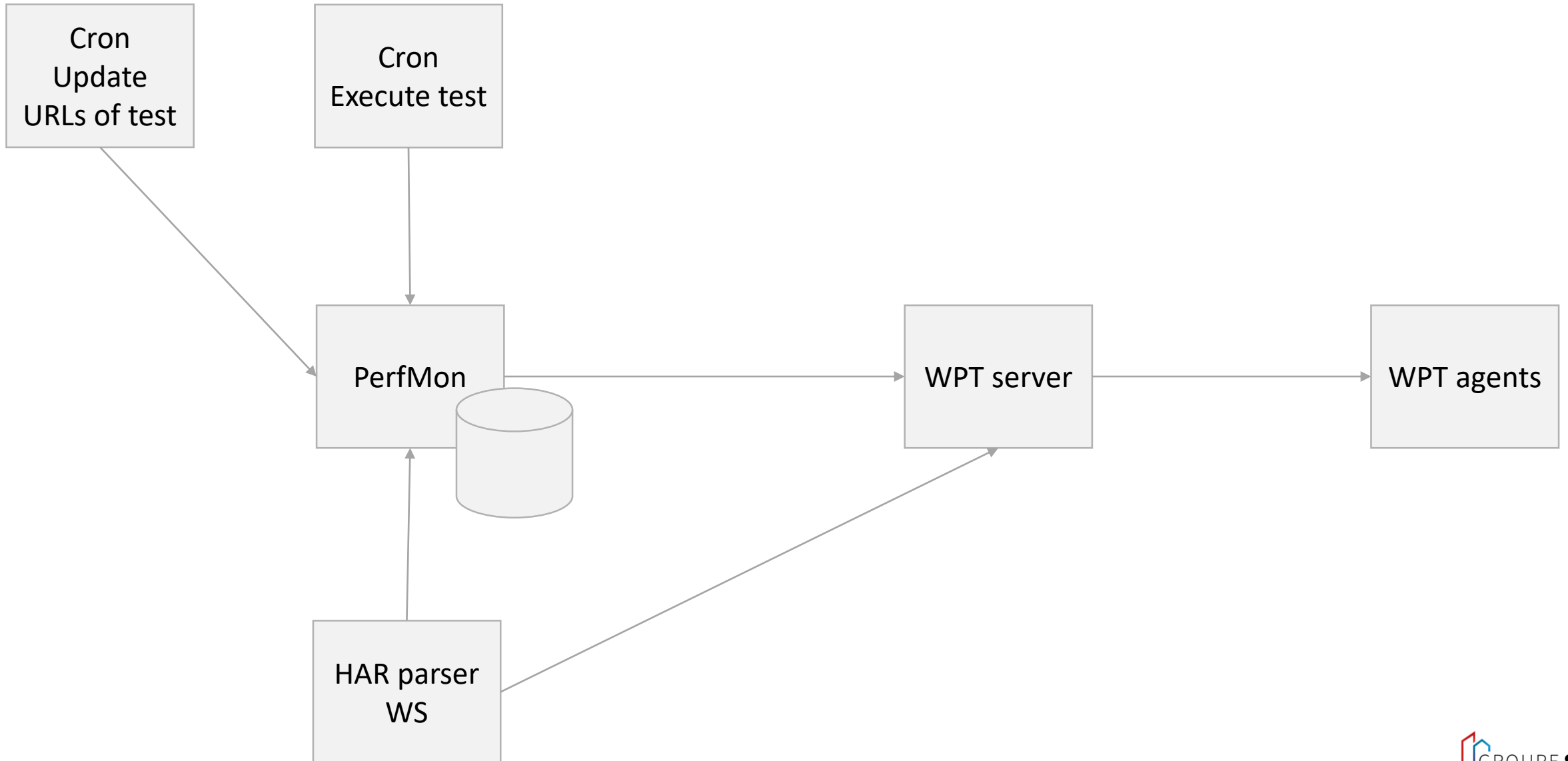


Keep pace with our knowledge



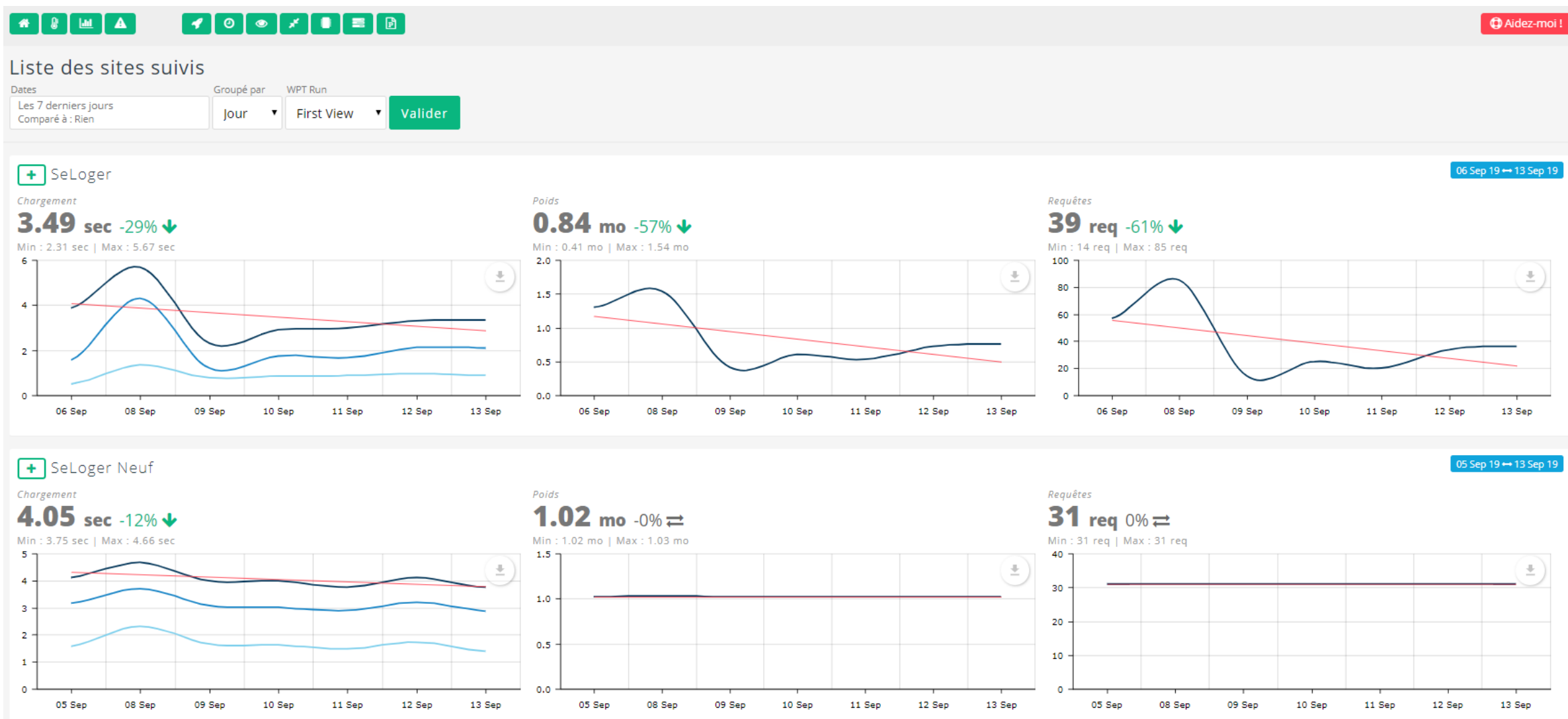
Third party aware

PerfMon, our homemade tool



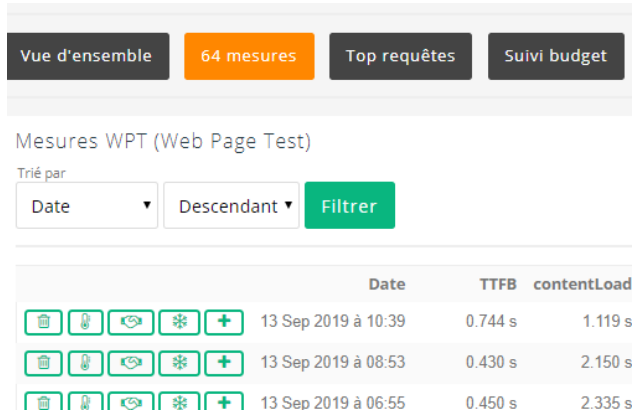
PerfMon, our homemade tool

9



PerfMon, some features

Access to WPT test



Top requests tracking

Top requêtes

Tiers Type Domaine URL Trié par

Tous Votre texte ... Votre texte ... Votre texte ... Temps max. Descendant

	Tps	Tps Moy.	Poids	Compte	Occur	Type	Domaine	URL
	1.23 s	0.83 s	70.72 Ko	14	0.22	application/javascript	static-seloger.com	https://static-seloger.com/z/produits/sl/ass
	1.12 s	0.94 s	34.50 Ko	14	0.22	font/woff2	seloger.com	https://www.seloger.com/hps/fonts/fi/font-i
	1.11 s	1.02 s	134.82 Ko	13	0.20	application/javascript	seloger.com	https://www.seloger.com/hps/vendors-hor
	1.11 s	0.95 s	21.93 Ko	13	0.20	application/javascript	seloger.com	https://www.seloger.com/hps/home.33a40
	1.10 s	0.68 s	0.57 Ko	14	0.22	text/html	cloudflare.com	https://cdnjs.cloudflare.com/ajax/libs/bluei
	1.00 s	1.00 s	21.93 Ko	1	0.02	application/javascript	seloger.com	https://www.seloger.com/hps/home.86b14
	0.96 s	0.96 s	134.82 Ko	1	0.02	application/javascript	seloger.com	https://www.seloger.com/hps/vendors-hor

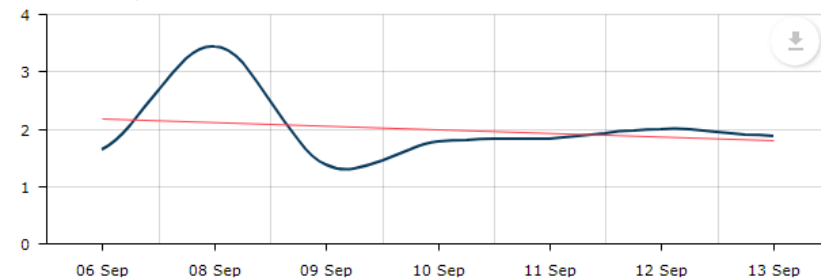
Speed Index...

+ SeLoger

Speed Index

1.99 s -17% ↓

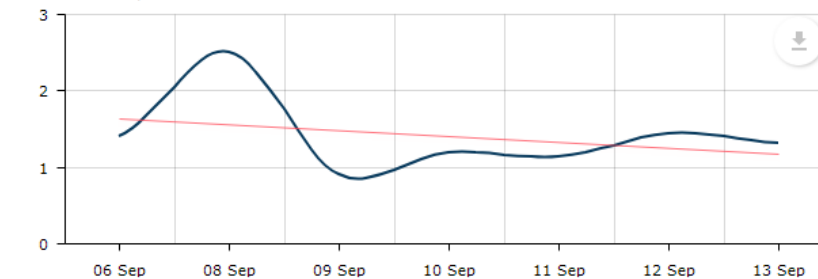
Min : 1.370 s | Max : 3.442 s



Render

1.41 s -28% ↓

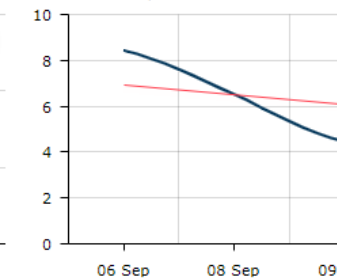
Min : 0.900 s | Max : 2.500 s



last Visual Change

5.664 s -37% ↓

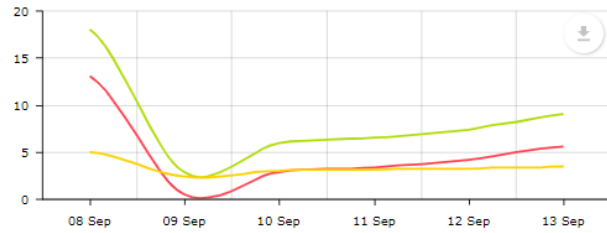
Min : 4.467 s | Max : 8.400 s



PerfMon, tracking Third Party

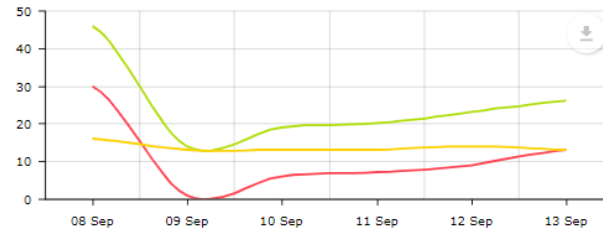
Interne vs Tiers [Aidez-moi !](#)

Temps cumulés en secondes



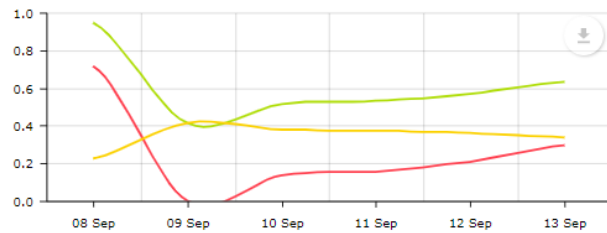
Moyennes

Nombre de requêtes



Moyennes

Poids en méga octets



Moyennes

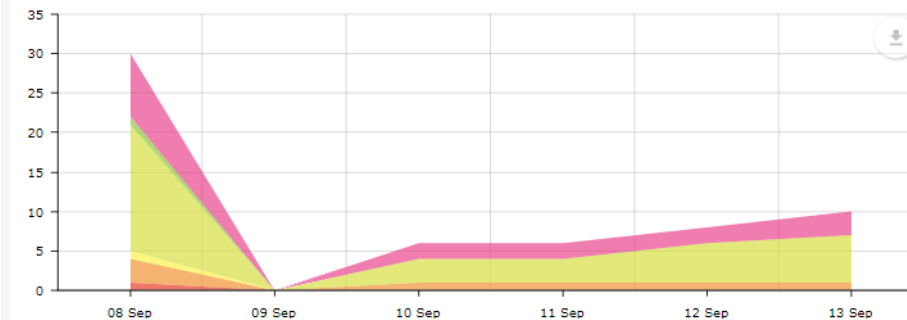
Score GZIP



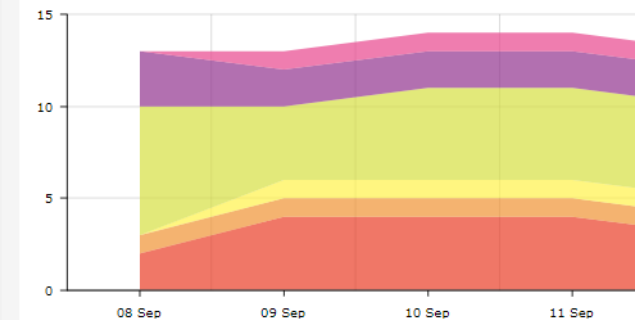
Moyennes

Ressources par type [Aidez-moi !](#)

Interne - Nombre de requêtes par type



Tiers - Nombre de requêtes par type



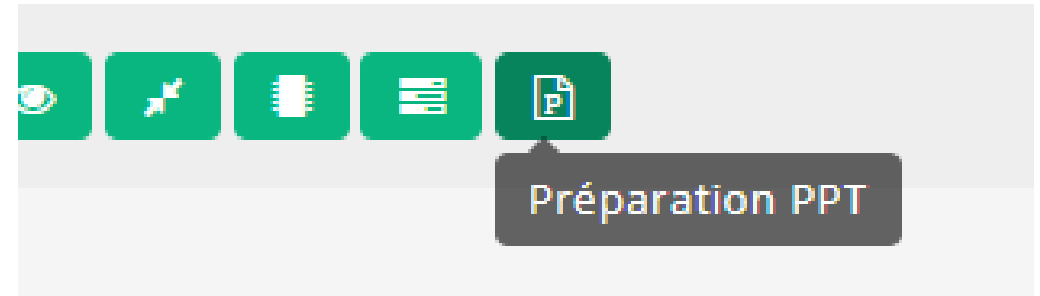
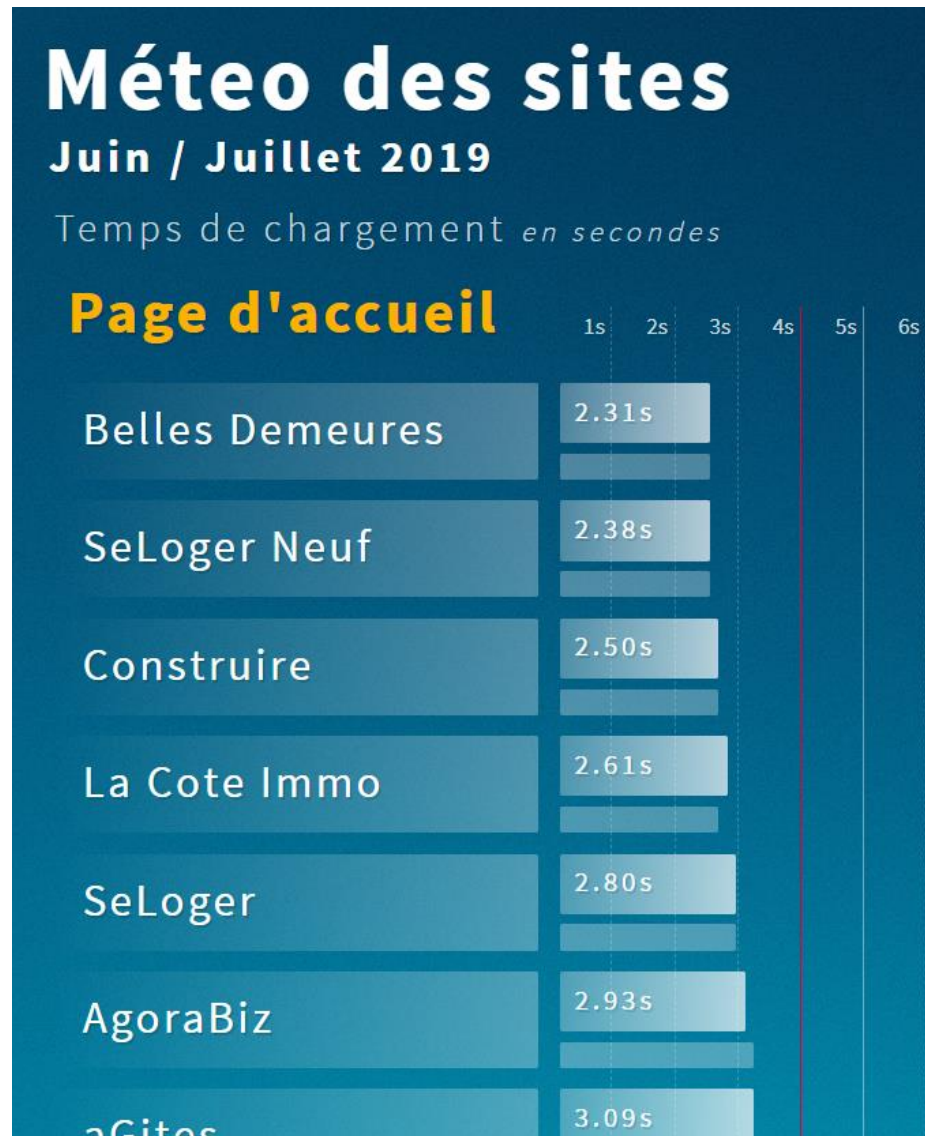
Interne - Poids des requêtes par type en méga octets

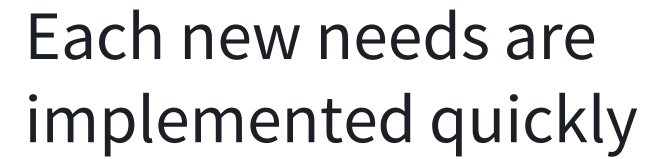


Tiers - Poids des requêtes par type en méga octets



PerfMon, reporting





PerfMon is **AWSOME**, but...

Some teams use another tool

Some teams don't trust the results

PerfMon is a program that prints some performance numbers

Few teams use it

Need maintenance

Small team to maintain it

1
◊

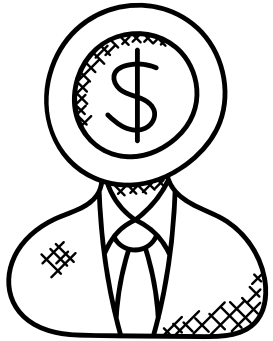
2
◊

3
◊

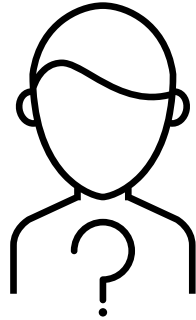
How we have chosen a
new tool

4
◊

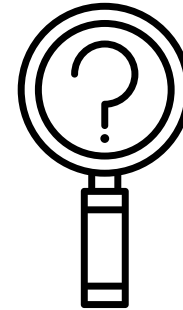
Questions to ask before starting



Who is the sponsor of the current tool?



Who uses the tool?

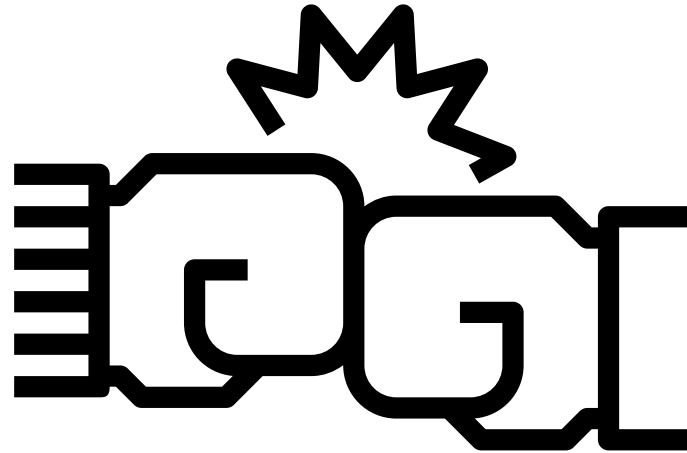


How is the tool used?



What is the budget?

Build vs Buy



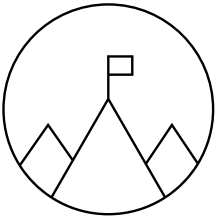
Make a POC



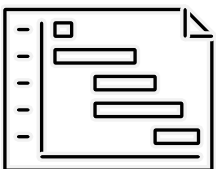
Involve several teams for a better adoption



Provision a budget



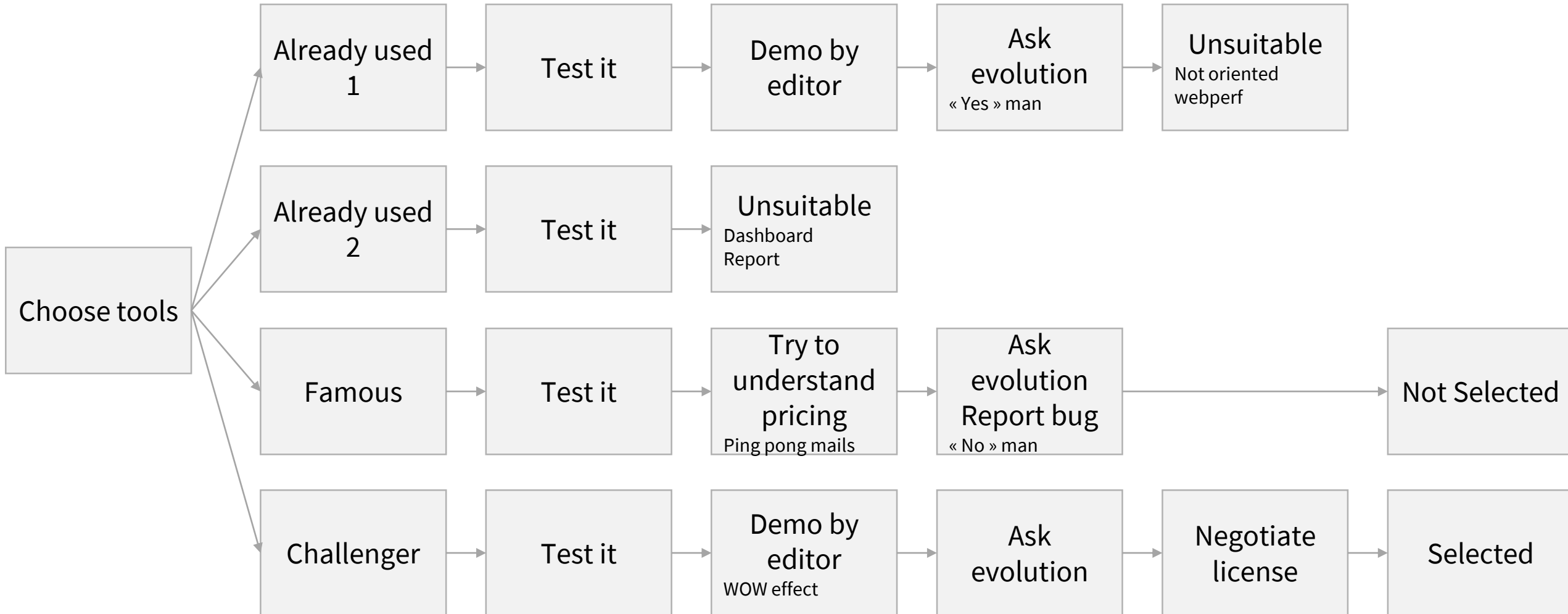
Define an objective (complete features needed)



Plan (0.5 day by week for 3 months)

	A	B
1	Requirement	Mandato
2	Alerting	yes
3	Report by mail	
4	CI/CD integration	Yes
5	WebPerf metrics: SpeedIndex	Yes
6	WebPerf metrics: DOMContentLoaded	Yes
7	WebPerf metrics: Time To Interactive (TTI)	Yes
8	WebPerf metrics: Fully Loaded	Yes
9	WebPerf metrics: TTFB	Yes
10	WebPerf metrics: Total Page Size	Yes
11	WebPerf metrics: Total # of Requests	Yes
12	WebPerf metrics: Performance score	Yes
13	Test with and without cache	Yes
14	Waterfall	Yes

The processes of selection



Some tips

Demo from editors are useful

Forward the needs to editors

Have a sponsor

Show the tool in action

"You are the first customer to ask us for this feature" = Warning

knowledge of market tools is important to choose tools

Try to have the editor's roadmap

"We will add this feature to our backlog" = Warning

Prove the accuracy of the tools (ask help to the editor if needed)

Communicate with editors to adapt the license

Make the tool available and visible

1

2

3

4

How we use this tool

Today

Watch my page

Developers use it

Performance culture improved

Anybody (Dev, PO...) can use it

Reporting is made with it

We have migrated to percentile and Speed Index