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# TAKING BACK YOUR DATA ON THE INTERNET

Grégoire MOLVEAU

HitchHack 2019-01-19

ENSIBS Vannes

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## <AUTOPROMO>

- MOOC
  - python
  - sécurité windows
  - réseaux
- [moodle.studentcybermooc.com](https://moodle.studentcybermooc.com)

</AUTOPROMO>



# Student Cyber MOOC

Home > Site administration > Users > Accounts > Browse list of users

22 Users

▼ New filter

User full name

contains

4

Add filter

Show more...

First name / Surname	City/town	Country	Last access	Edit
A Mo		Cuba	37 days 20 hours	  
Admin Admin			76 days 7 hours	

- [moodle.studentcybermooc.com](https://moodle.studentcybermooc.com)

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# whoami

Gregoire MOLVEAU

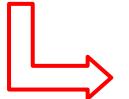
 gmolveau

 @gmolveau

 gregoire@molveau.fr

 elsebreak.info | gregoire.molveau.fr



 Thierry BECCARO

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# POURQUOI ?



Les histoires du  
**père Castor**

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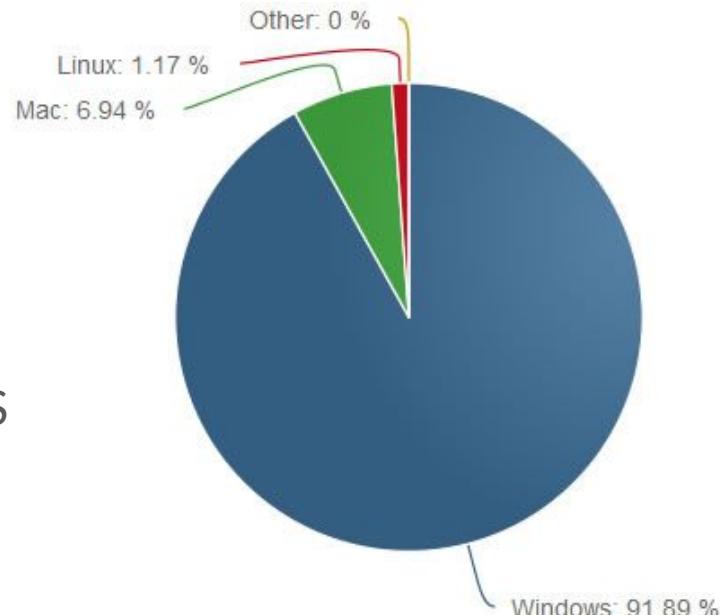
# UN NAVIGATEUR UNIQUE

(pour les gouverner tous)

années 90

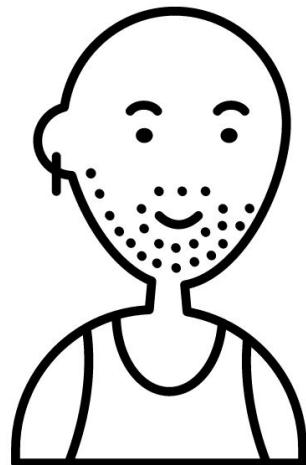
part de marché OS

(chiffres inventés)



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## UN NAVIGATEUR UNIQUE -> cool ?



mais c'est plus  
pratique d'avoir  
un seul  
navigateur pour  
coder !

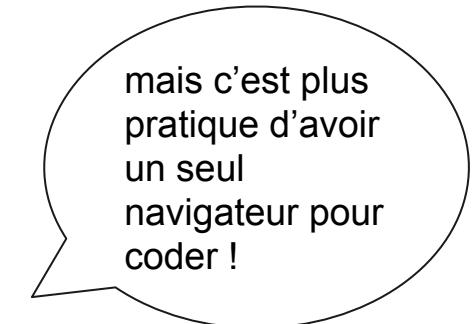
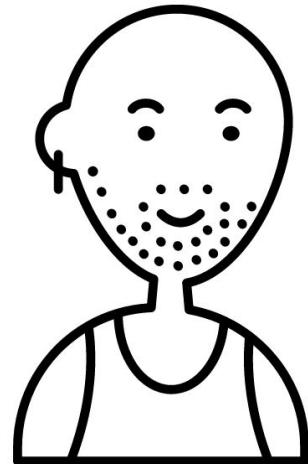
jean-mi dev front-end react

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## UN NAVIGATEUR UNIQUE -> cool ?



NON



jean-mi dev front-end react

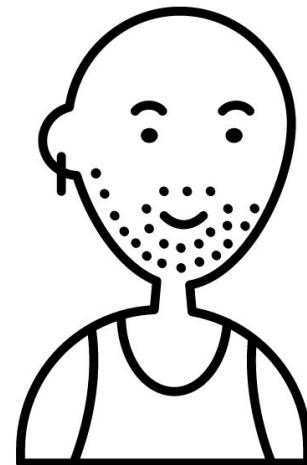
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## UN NAVIGATEUR UNIQUE -> cool ?



NON

GTFO!



jean-mi dev front-end react

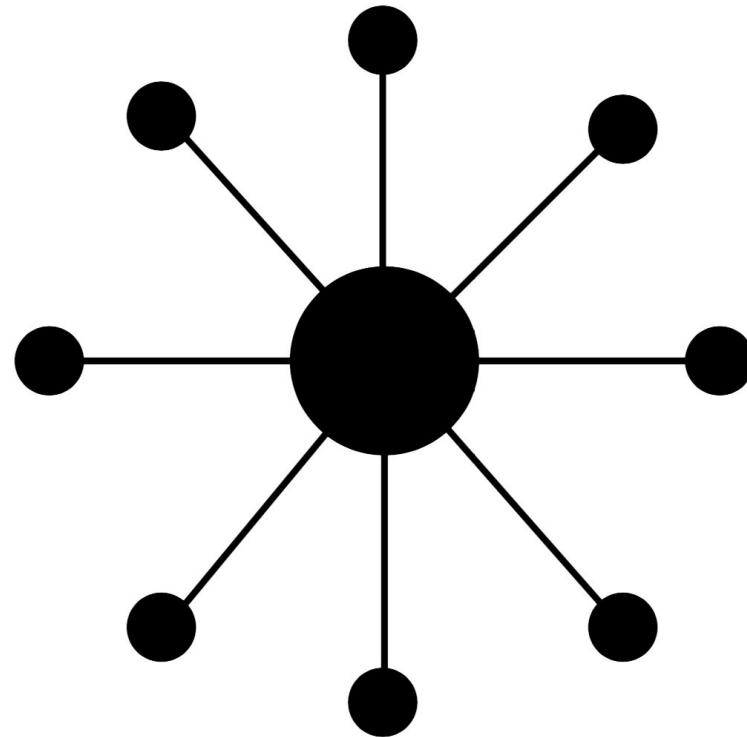
mais c'est plus  
pratique d'avoir  
un seul  
navigateur pour  
coder !



# RESEAUX

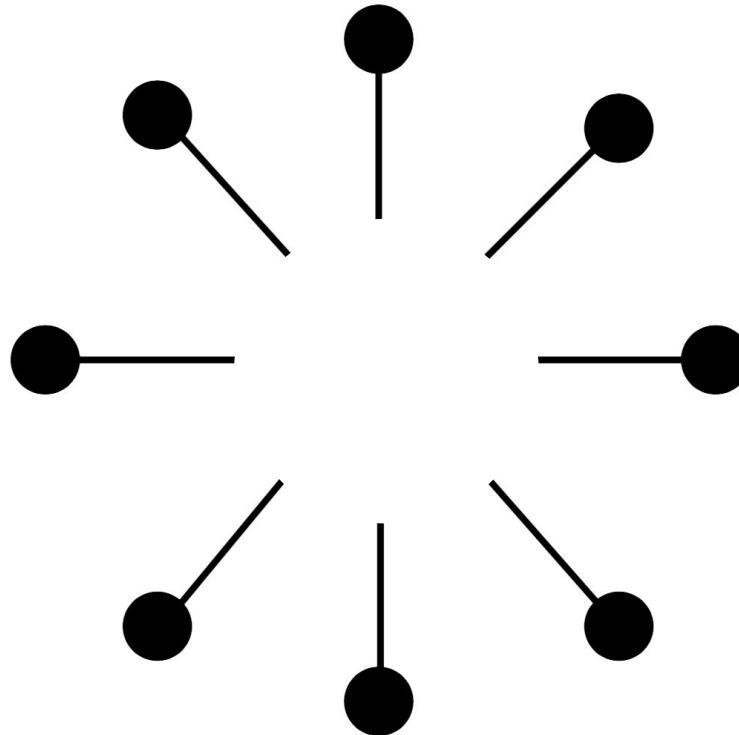
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# RESEAUX



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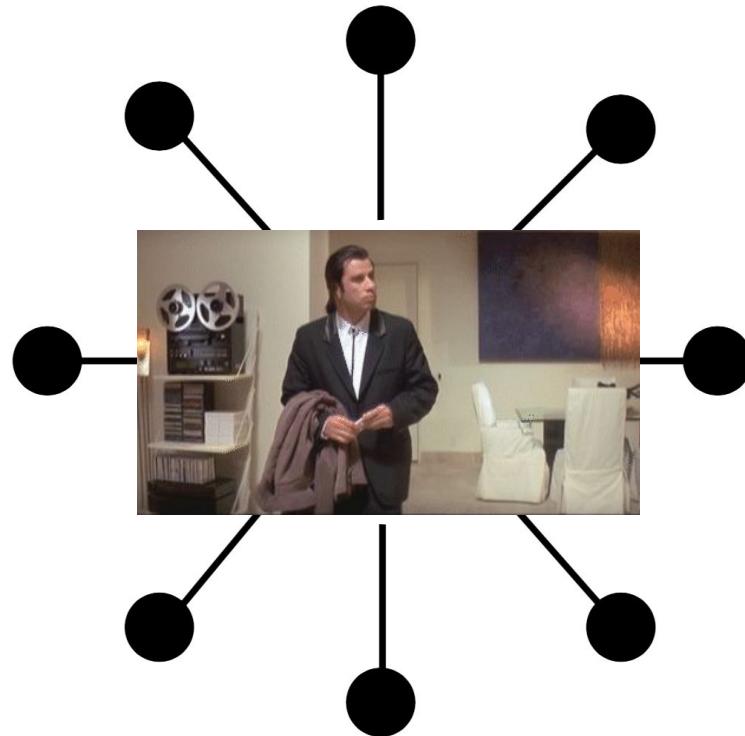
# RESEAUX



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# RESEAUX

ça marche bof ...

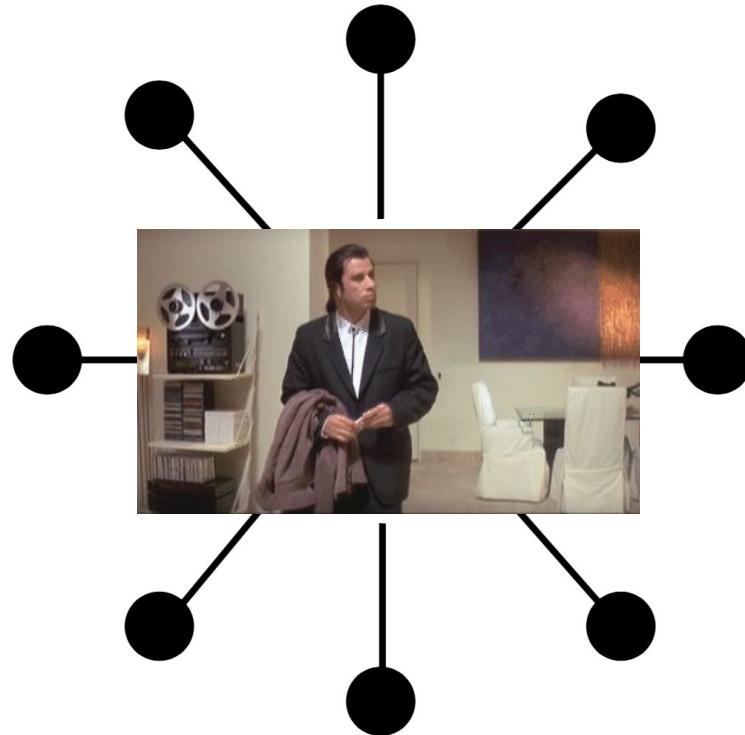


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# RESEAUX

ça marche bof ...

Single Point of Failure



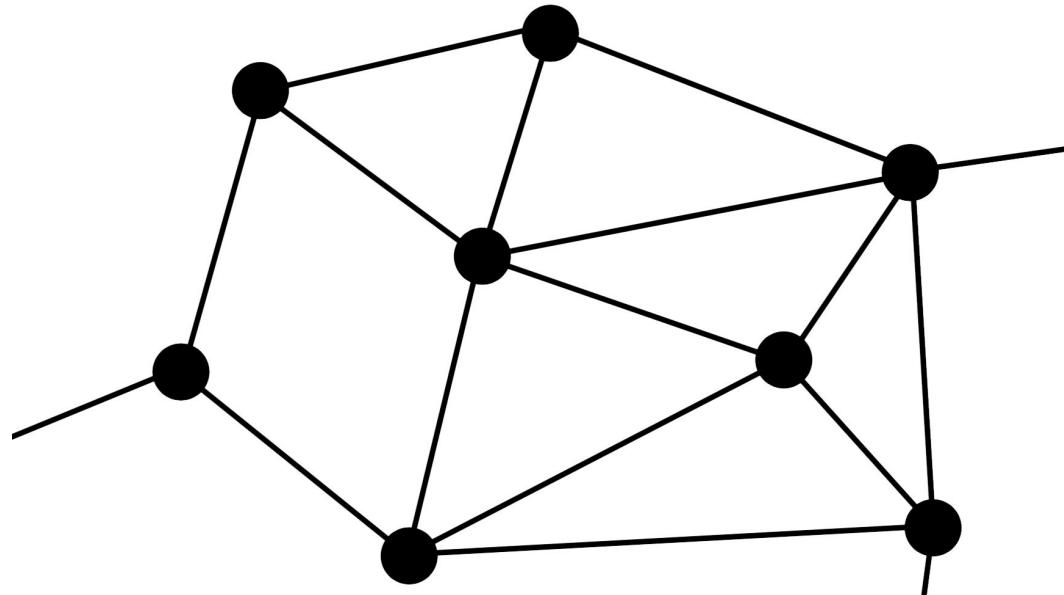
---

# RESEAUX

ARPANET



INTERNET



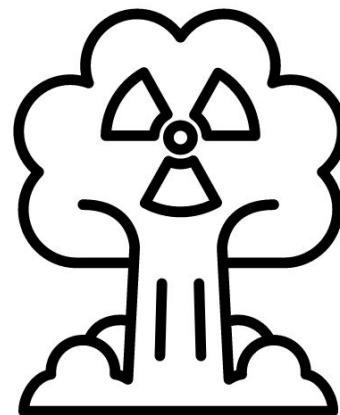
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## RESEAUX - Internet = nuclear-proof ?



INTERNET

+



=



INTERNET

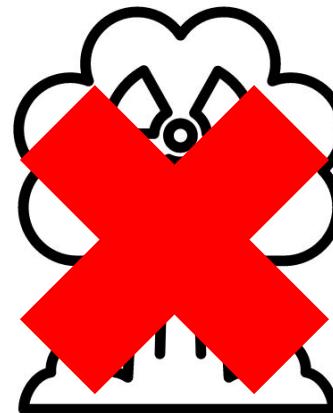
---

# RESEAUX - Internet = nuclear-proof ?

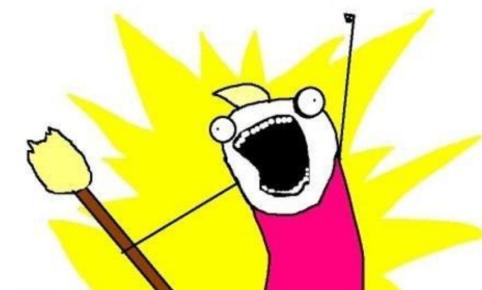


+

Paul BARAN



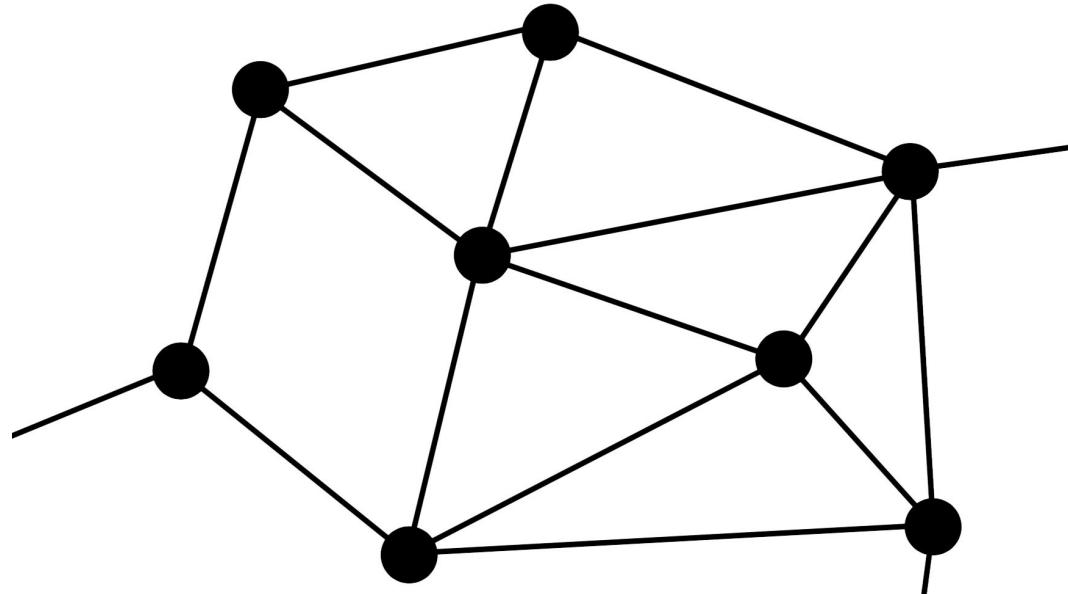
=



FREE ALL THE TINGZ

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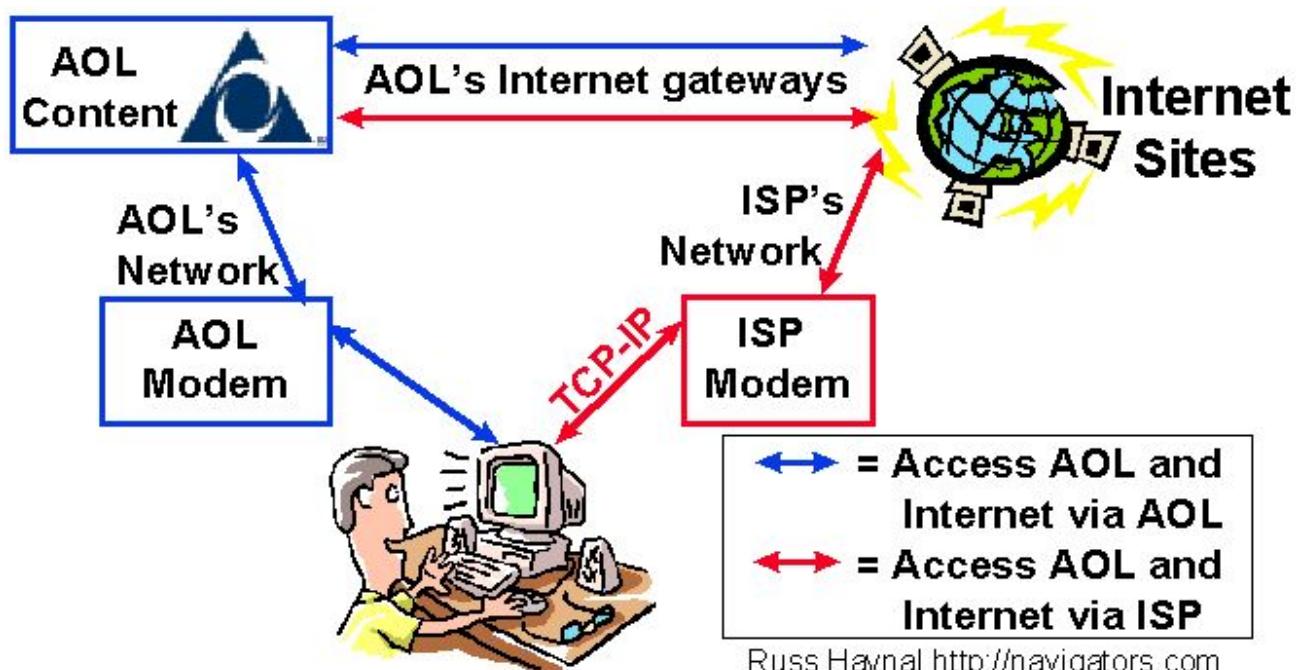
# RESEAUX



www != internet

web = élu ?

# L'ÉLU



# L'ÉLU

- Families
- Games
- Health
- News
- Pet of the day



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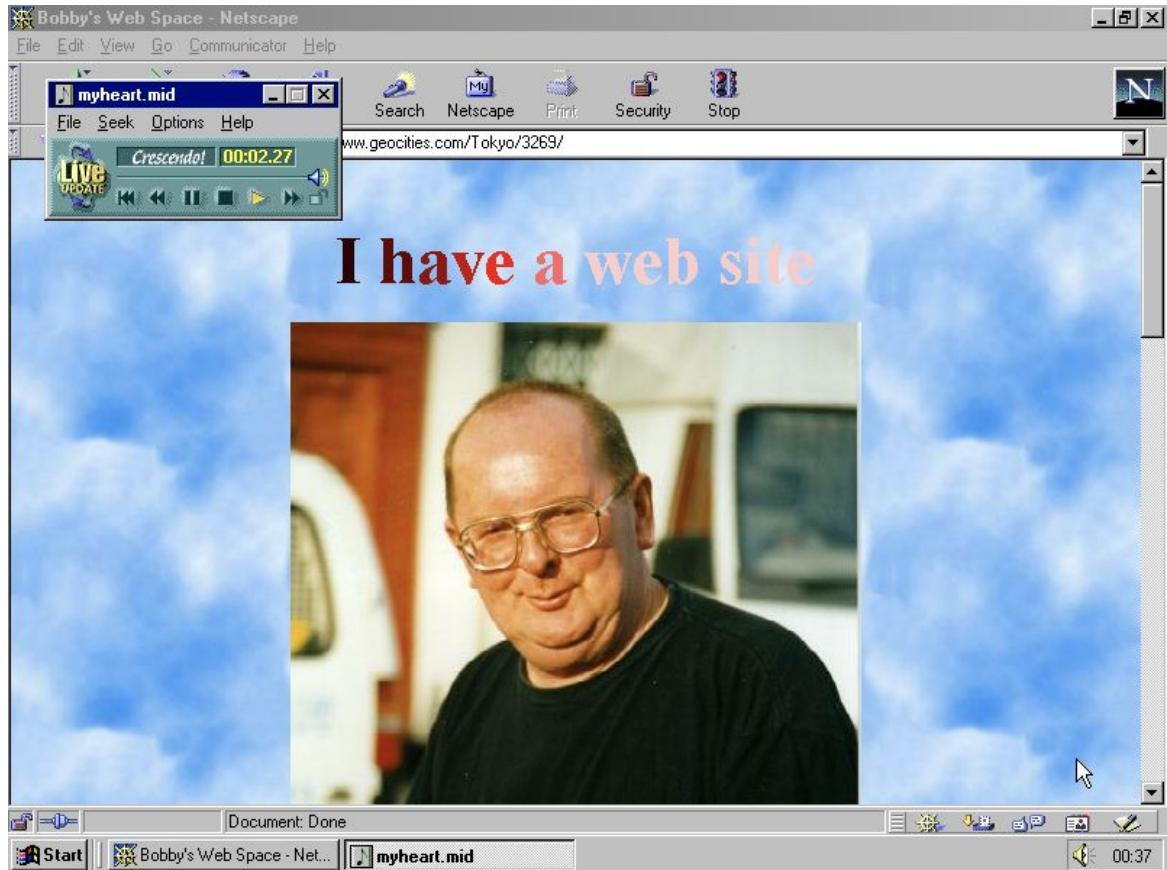
L'ÉLU



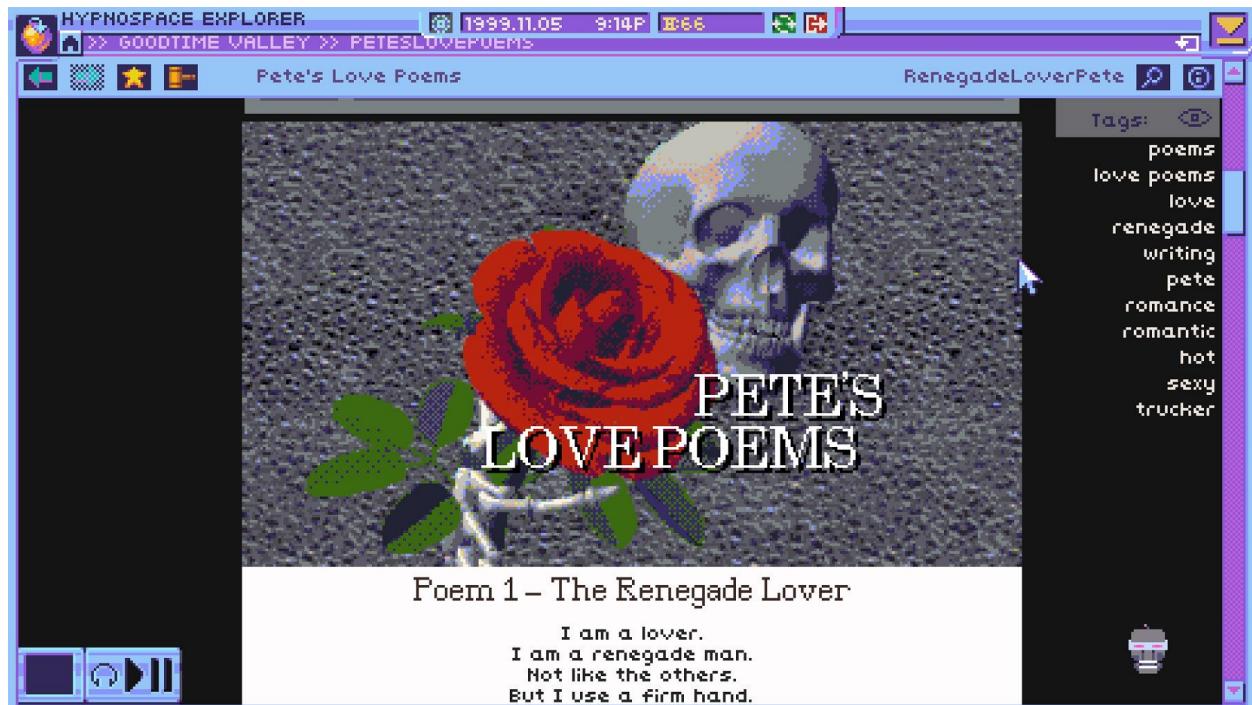
AOL®



WHAT THE



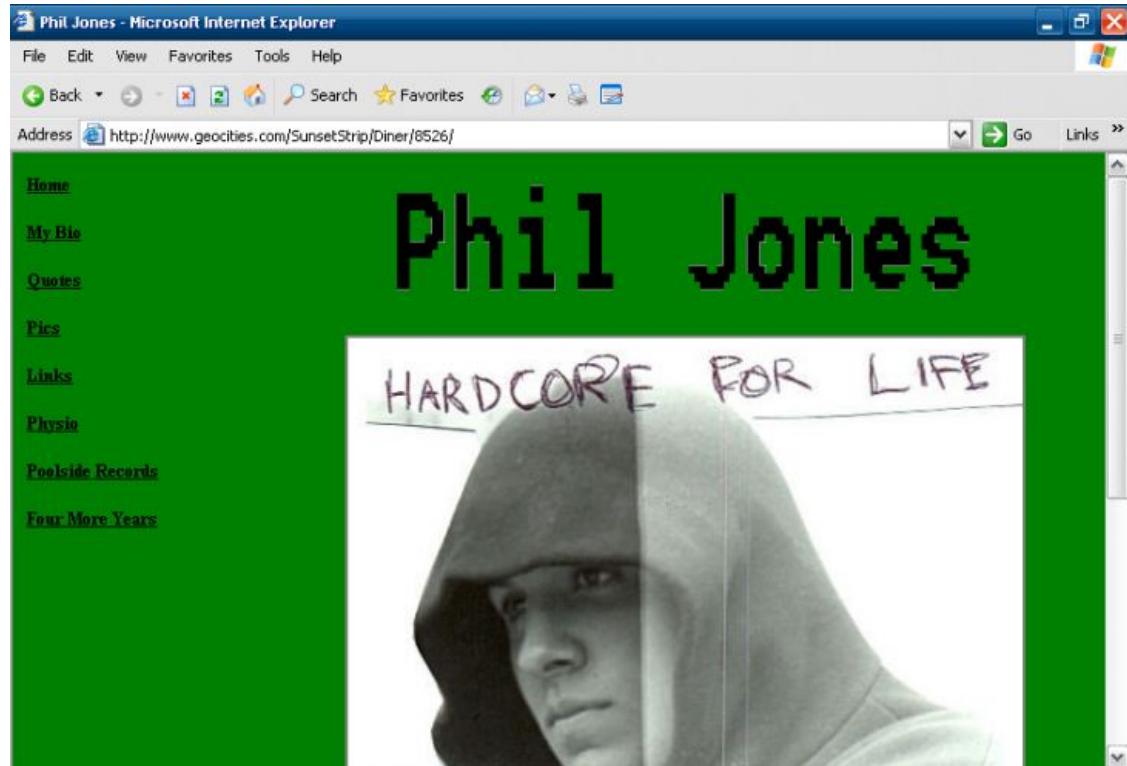
# WHAT THE



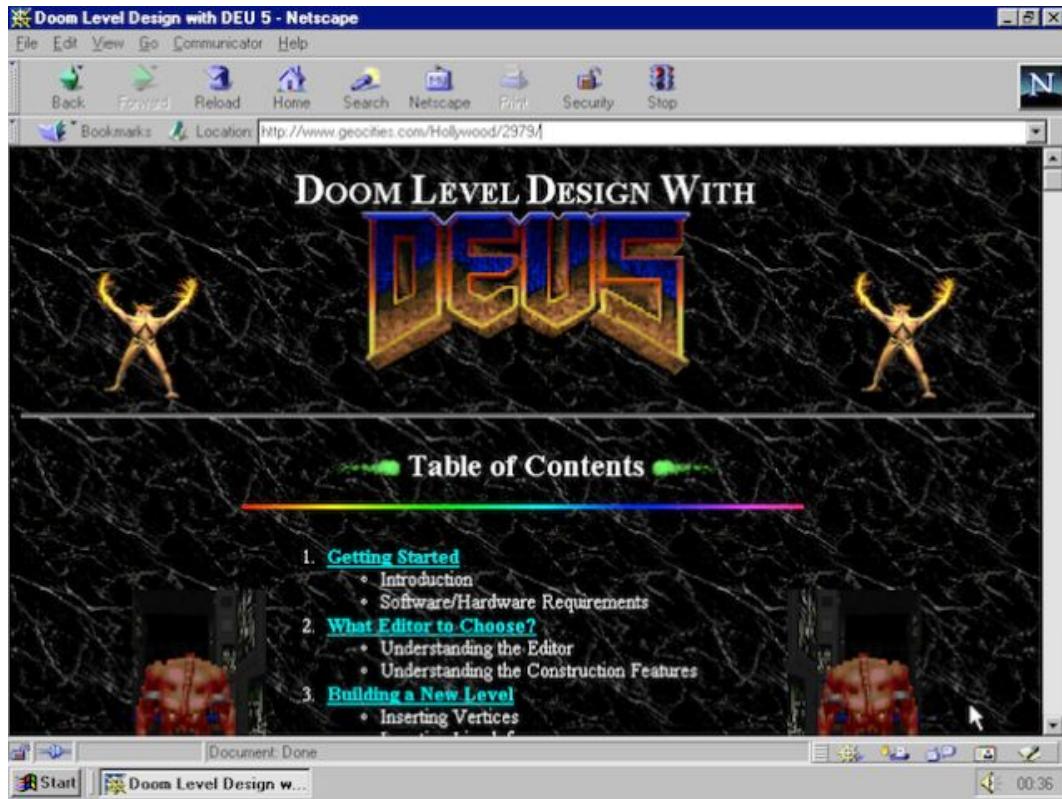
# WHAT THE



# WHAT THE

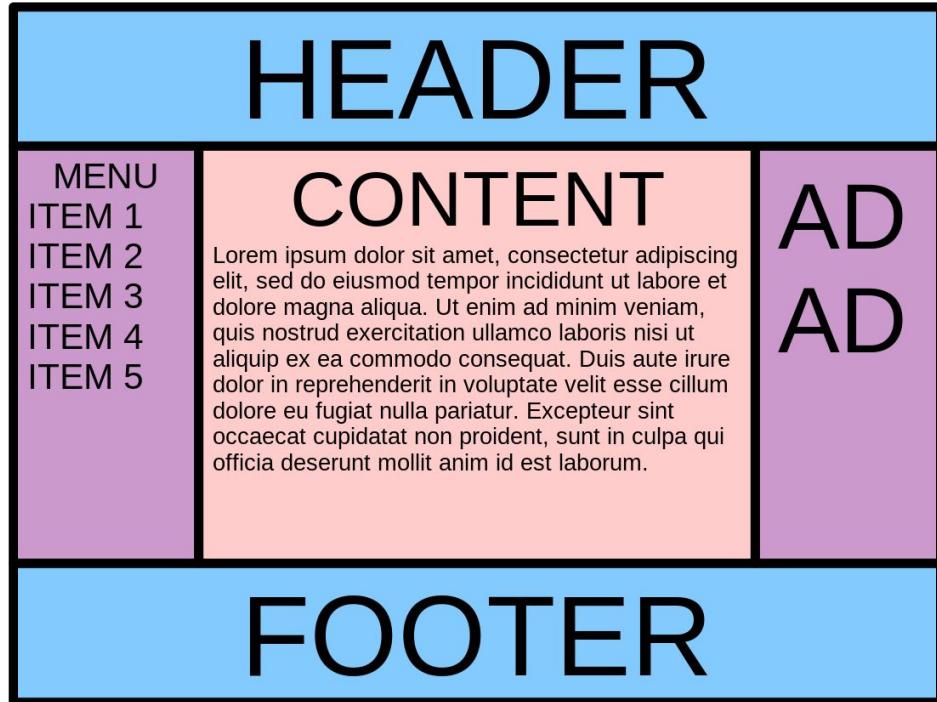


# WHAT THE



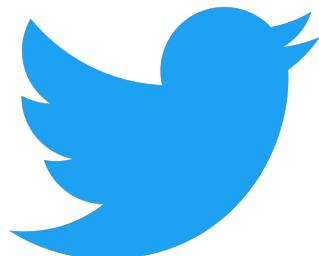
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# HOLY GRAIL



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ET POURTANT



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**ET POURTANT**



---

**ET POURTANT**



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**ET POURTANT**

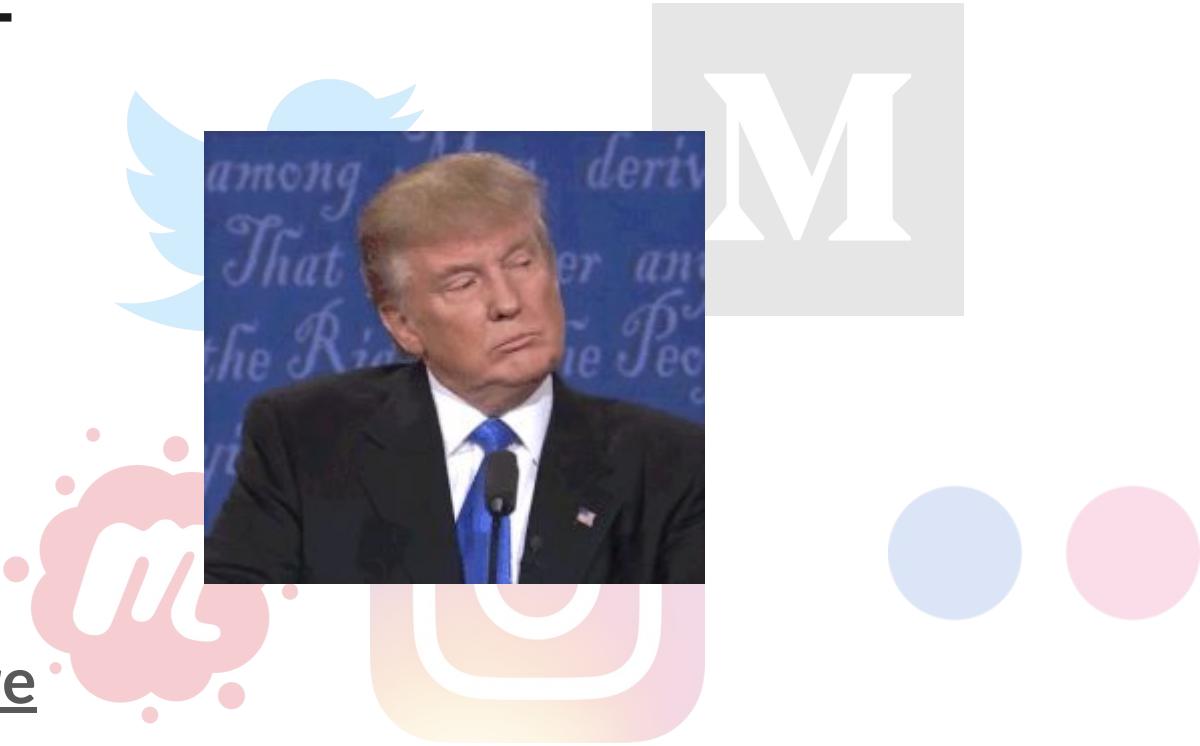


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ET POURTANT



Single Point of Failure

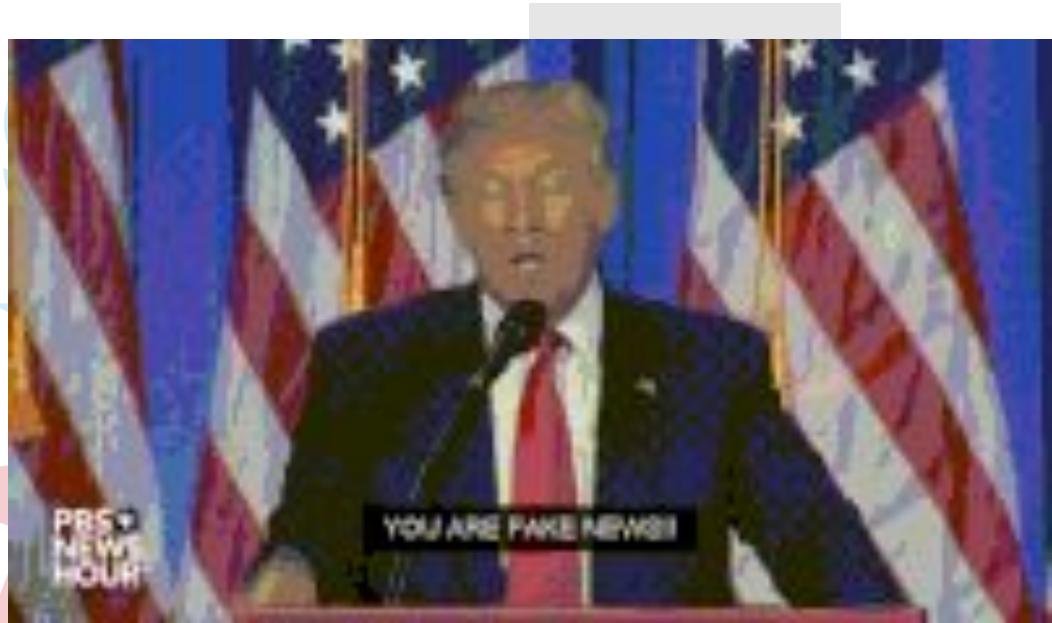


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ET POURTANT



Surface d'attaque = immense



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# POURQUOI ?



PRATIQUE

---

# PERTE DE CONTRÔLE

PRATIQUE

échangé contre

CONTRÔLE

- Public visé
- Mise en forme
- Longueur
- Contenu

---

# PERTE DE CONTRÔLE

3  
★ ★ ★

You read a lot. We like that.

You've reached the end of your free member preview. Upgrade for unlimited access or [sign in](#).

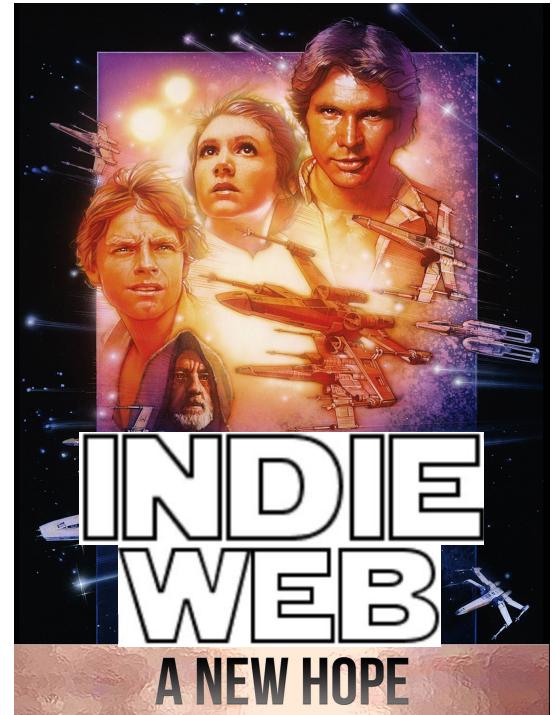
Upgrade

- vos lecteurs vont payer Medium,  
pas vous payez vous.

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# WEB INDÉPENDANT - INDIEWEB

lier pratique et contrôle



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# INDIEWEB



MOTHERBOARD

---

[FACEBOOK](#) | By Jason Koebler | Dec 19 2018, 9:55pm

## We Should Replace Facebook With Personal Websites



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INDIEWEB

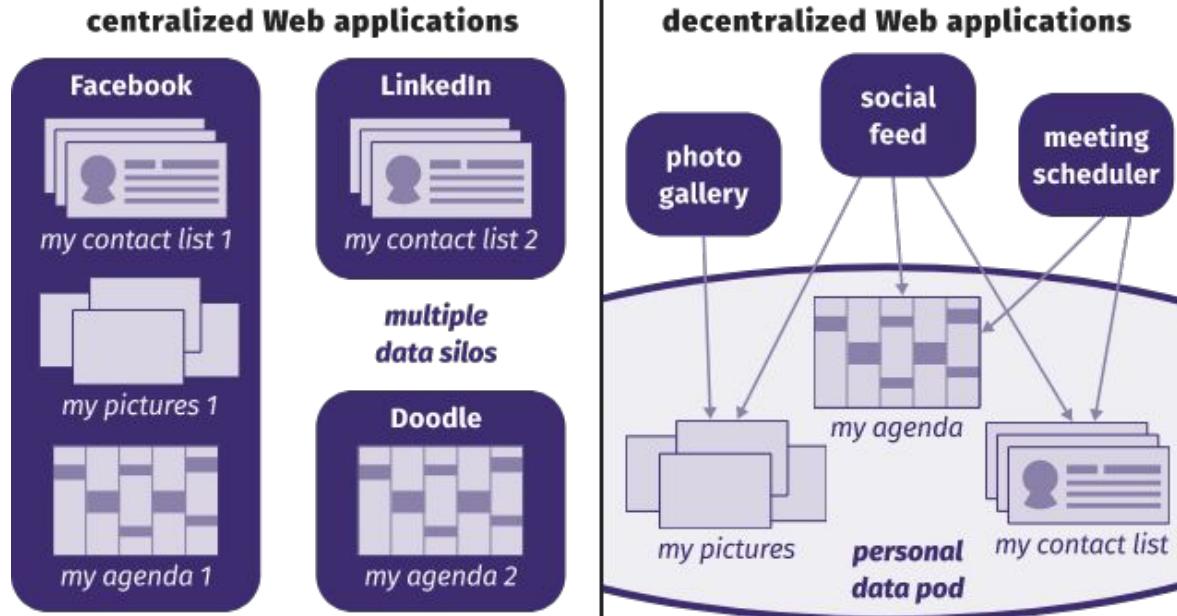


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INDIEWEB



# RE-DÉCENTRALISONS LE WEB



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## INDIEWEB - SOLUTIONS

Je veux pouvoir :

- poster du contenu sur mon site web, et que ce contenu soit republié sur les services de mon choix (twitter, FB, reddit...)
- poster du contenu sur un service (twitter, instagram...) et que ce contenu soit récopié sur mon propre site
- être prévenu si quelqu'un commente un de mes contenus sur un services tierces (twitter, instagram...)

---

## INDIEWEB - REL=?

- attribut “rel” en HTML - définit la nature de la relation établie entre deux ressources.

```
<a href="bootstrap.css" rel="stylesheet">
```



## INDIEWEB - REL="ME"

```
<a href="https://twitter.com/gmolveau" rel="me">
```

# INDIEWEB - REL="ME"

```
<div class="ProfileHeaderCard-location"></div>
<div class="ProfileHeaderCard-url">
  <span class="Icon Icon--url Icon--medium" aria-hidden="true" role="presentational"></span>
  <span class="ProfileHeaderCard-urlText u-dir">
    <a class="u-textUserColor" target="_blank" rel="me nofollow noopener" href="https://t.co/XD8qBsVa78" title="http://gregoire.molveau.fr">gregoire.molveau.fr</a> event
  </span>
</div>
```

```
<a href="https://twitter.com/gmolveau" rel="me">
```

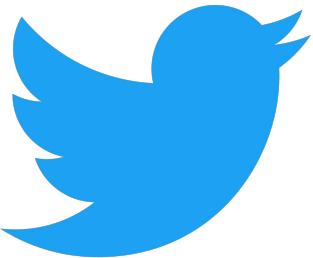


```
/span>

```

---

## INDIEWEB - REL="ME"



@gmolveau

rel='me'  
↔



gregoire.molveau.fr

---

# OAuth



Login with Facebook



Login with Amazon



Login with Google



Login with Instagram



Login with GitHub



Login with LinkedIn



Login with Twitter



Login with Microsoft

---

## INDIEWEB - MICROPUB

- une route, un endpoint qui accepte des requêtes HTTP de type POST
  - ex: <https://gregoire.molveau.fr/micropub>
- authentification via token OAuth (pour éviter que n'importe qui ne puisse accéder à ce endpoint)

---

# INDIEWEB - MICROPUB

## #OwnYourGram

How does it work?

1. Sign in with your domain
2. Connect your Instagram account
3. When you post to Instagram, the photos will be sent to your site!

[Get Started »](#)



OWNYOURGRAM



gregoire.molveau.fr

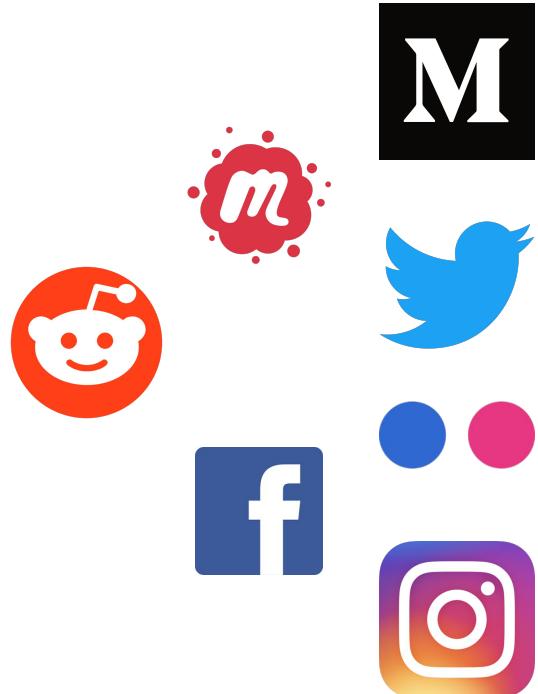
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# INDIEWEB - PESOS



gregoire.molveau.fr

- Publish
- Elsewhere
- Syndicate to your
- Own
- Site



---

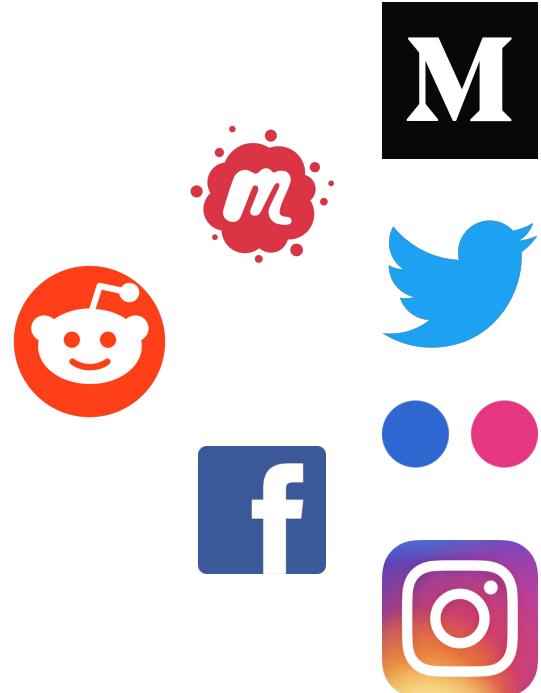
# INDIEWEB - POSSE (1 / PESOS)



gregoire.molveau.fr



- Publish on your
- Own
- Site
- Syndicate
- Elsewhere



---

# INDIEWEB - POSSE



[Journal](#) [Links](#) [Articles](#) [Notes](#) [About](#)

What's new?

Choose file No file chosen

[Twitter](#)

[Flickr](#)

[Post](#)

**Notes** 3387



- Jeremy KEITH - membre du mouvement indieweb
- adactio.com

# INDIEWEB - POSSE



Journal Links Articles Notes About

October 3rd, 2017



Huxley!

12:58pm

[CC Attribution 51° N , 0° E](#)

Also on [Twitter](#) [Flickr](#)

[Reply](#) [Retweet](#) [Favourite](#)

« Newer

Older »

The image displays three separate social media posts from different platforms, all sharing the same photograph of a black Scottish Terrier named Huxley. The first post is on the adactio platform, showing a note titled "Huxley!" with a timestamp of "October 3rd, 2017, 12:58pm". The second post is on Flickr, also titled "Huxley!" and timestamped "October 3rd, 2017, 12:58pm". The third post is on Twitter, by user Jeremy Keith (@adactio), with a timestamp of "12:59 PM - 3 Oct 2017 from Brighton, England". Each post includes a photo of the dog, a like/comment/share section, and a comment input field.

---

## INDIEWEB - WEBMENTION

- une route, un endpoint qui accepte des requêtes HTTP de type POST
  - ex: <https://gregoire.molveau.fr/webmention>
- authentification via token

# INDIEWEB - WEBMENTION

I'll be making more (slow) progress on adding editing support to the rest of the interfaces!

Portland, Oregon

Mon, Feb 27, 2017 12:52pm -08:00



#100daysofindieweb #quill #micropub

1 like

1 reply

2 mentions



Have you written a [response](#) to this? Let me know the URL:

Send Webmention



Ryan Barrett [snarfed.org](http://snarfed.org)

cool! can't wait to see someone use this with a WordPress site!

Mon, Feb 27, 2017 3:40pm -08:00

---

# INDIEWEB - WEBMENTION

## A new kingdom

Reach back into the murky depths of your high school biology class. I know, it's been a long time, but stick with me. Remember the kingdoms of life? Animals, plants, fungus, bacteria, etc? We may still be debating other things, like virii, and sure, there are millions of individual species and even families we haven't discovered yet...but the kingdoms are pretty obvious. Those can't change.

[Continue reading →](#)



### JERRY MORRISON

+1ed this.  
[via plus.google.com](#)



### JENNY LU

likes this.  
[via facebook.com](#)



### ZARANI BARROW

retweeted this.  
[via twitter.com](#)



### DAISY STANTON

Can I meet this guy?!  
He sounds like an awesome kind of nuts.  
[via plus.google.com](#)

# INDIEWEB - WEBMENTION

👤 by  Kartik Prabhu

🔗 shared on: [Twitter](#), [Google+](#)

🏷️ tagged with: [web](#), [svg](#), [javascript](#)

<https://plus.google.com/+KartikPrabhu/posts/EFsJtQK7WwX>

💬 Send me the link to your response ([Learn more](#))

Send

<https://twitter.com/ChrisAldrich>

Likes



Chris Aldrich on Twitter



Álvaro Trigo 🐚🔥 on Twitter

[https://twitter.com/kartik\\_prabhu/status/965424127459938305#favorited-by-13645402](https://twitter.com/kartik_prabhu/status/965424127459938305#favorited-by-13645402)

# INDIEWEB - WEBMENTION

- solutions automatiques tierces
  - <https://webmention.io/>
  - <https://brid.gy/>



Got a web site?  
Want replies and likes from social networks?  
Want to tweet, post, and more?  
[Bridgy](#) is for you. [Learn more...](#)

Connect your accounts:



(Why not Facebook?)

Using one of these? Click to [add webmentions](#):



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## INDIEWEB - PRINCIPLES

- <https://indieweb.org/principles>
  - Own your data
  - Make tools, templates, etc. for yourself first, not for all of your friends or "everyone"
  - Publish data for humans first
  - Have fun !



MERCI  
- \\_(ツ)\_ / -  
**bisous**



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# N'hésitez pas à poser des questions :-)

<https://cyberbullshit.ovh/>

 gmolveau

 @gmolveau

 gregoire@molveau.fr

 gregoire.molveau.fr