

Le Low-Tech Web



Antoine Cailly

Dev @ Zenika Rennes

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Diplômé INSA Rennes en 2009

6 ans IPSIS/ITLink, 7 ans Zenika

SIG, 3D, Télémédecine, Ministères, Armée,
Banques, CEA, Ifremer...

Clients lourds, Back, Front, Agilité

BreizhCamp, Devoxx FR, Agile Tour Rennes..

<https://acailly.github.io>

Le Low-Tech Web

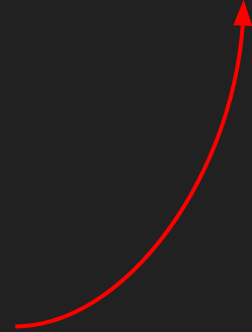
D'abord un tour du web

et après un TP

D'abord un tour du web

et après un TP

interrompez moi s.v.p



C'est quoi Low-Tech ?

Gauthier Roussilhe

[http://www.gauthierroussilhe.com/
fr/posts/une-erreur-de-tech](http://www.gauthierroussilhe.com/fr/posts/une-erreur-de-tech)

Low Technology, High Technics

C'est quoi Low-Tech ?

Gauthier Roussilhe

[http://www.gauthierroussilhe.com/
fr/posts/une-erreur-de-tech](http://www.gauthierroussilhe.com/fr/posts/une-erreur-de-tech)

- Technologie,
+ Savoir faire

C'est quoi Low-Tech ?

Low-Tech Lab

<https://lowtechlab.org/>

- Utile
- Accessible
- Durable



Un exemple

les grid beams

<https://gridbeam.xyz>

/



<https://gridbeam.xyz/>

<https://theawesomer.com/grid-beam-construction-system/446653/>





Le Low-Tech... Web ?



Space Exploration → Interviews



An Interview with Alan Bean

By Jim Plaxco

On the afternoon of October 3, 1992, I had the privilege to sit and speak, all too briefly, with Alan Bean, Apollo 12 Lunar Module Pilot, 4th man to walk on the Moon, Commander of the 1973 Skylab 2 mission, and renowned space artist. The following is a transcription of that conversation.

JP: Approximately how many paintings have you done?

<http://www.astrodigital.org/space/intbean.html>

Le Web aujourd'hui

Software disenchantment

Nikita Tonsky - 2018

[https://tonsky.me/blog/
disenchantment/](https://tonsky.me/blog/disenchantment/)

Tout est insupportablement lent, énorme
et finit par devenir obsolète

Programmer, c'est le même bordel

The Cost Of JavaScript

Addy Osmani - 2018

[https://medium.com/@addyosmani/
the-cost-of-javascript-in-201
8-7d8950fbb5d4](https://medium.com/@addyosmani/the-cost-of-javascript-in-2018-7d8950fbb5d4)

The web is bloated by user "experience"

JavaScript has a cost

Design for resilience

Unbearable News

Zain Amro - 2019

[https://zainamro.com/notes/
unbearable-news](https://zainamro.com/notes/unbearable-news)

[https://standardebooks.org/e
books/charles-dickens/a-tale
-of-two-cities/text/single-p
age](https://standardebooks.org/ebooks/charles-dickens/a-tale-of-two-cities/text/single-page)

I've embedded A Tale of Two Cities by Charles Dickens on this page in its entirety, and you probably didn't even notice. Yes, all of it (260 pages).

DEMO

Le monde du
logiciel est
en train de se
détruire

Olivier PHILIPPOT - 2018

<https://greenspector.com/fr/le-monde-du-logiciel-est-en-train-de-se-detruire-manifeste-pour-un-developpement-plus-durable/>

On attend (trop) la solution miracle

On s'amuse (trop) et on ne se remet pas
(assez) en cause

On perd (trop) souvent le but final :
l'utilisateur

Alors on fait quoi ?

On optimise !

ça nous fera de la place pour ajouter
plein de trucs !

T'as essayé le Server Side Rendering ?

vous reprendrez bien une dose de
complexité ?

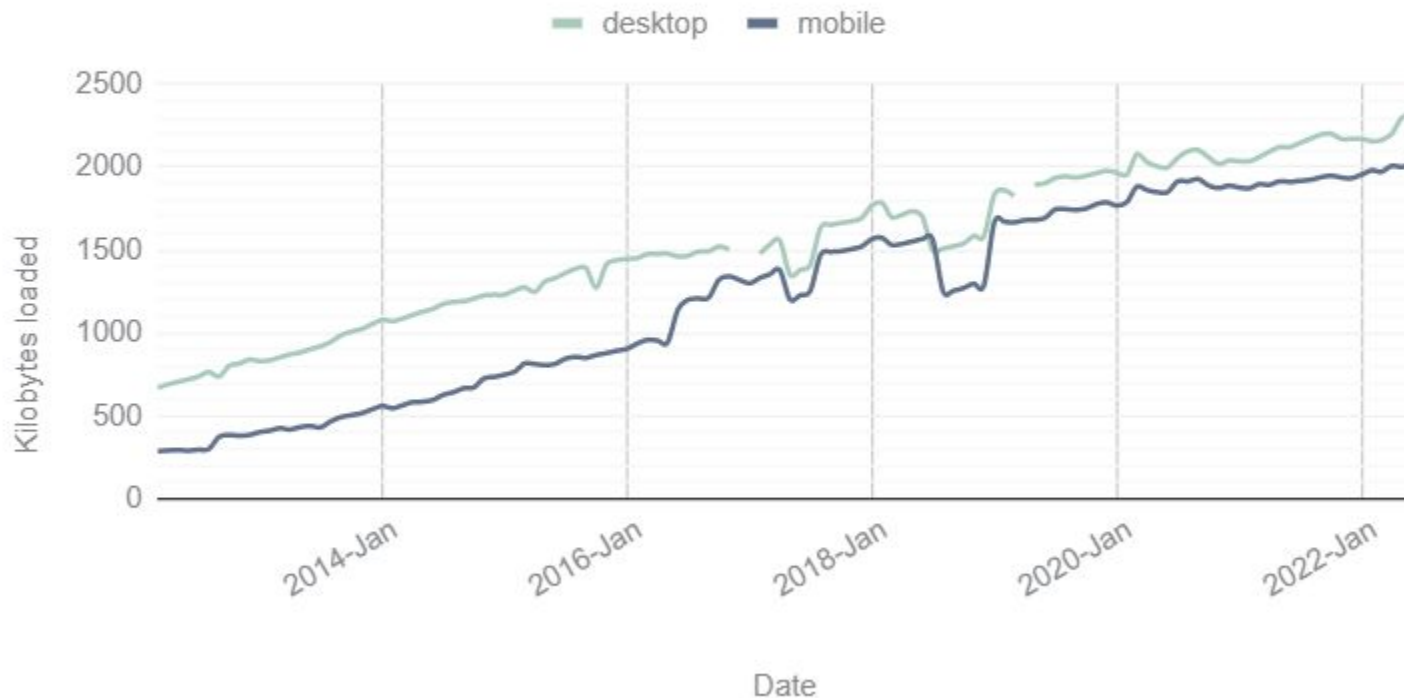


Tout le monde fait la
même chose

donc on s'en fout

Median page weight over time

Web Almanac 2022: Page Weight



<https://almanac.httparchive.org/en/2022/page-weight>

On va renoncer à
certaines choses

hein ?! y'a des gens qui font ça ?

Partons en
exploration

mais avant ça,

des questions ou remarques ?

Des exemples !

Le Low-Tech Magazine

<https://solar.lowtechmagazine.com/>

L'exemple que tout le monde cite 🕶️

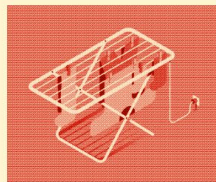
LOW←TECH MAGAZINE

This is a solar-powered website, which means it sometimes goes offline *

About | [Low-tech Solutions](#) | [High-tech Problems](#) | [Obsolete Technology](#) | [Offline Reading](#) | [Archive](#) | [Donate](#) | 📶

High-tech Problems

Technology has become the idol of our society, but technological progress is—more often than not—aimed at solving problems caused by earlier technical inventions.



Bedazzled by Energy Efficiency

To focus on energy efficiency is to make present ways of life non-negotiable.

January 2018
Page size: 606.28KB



How Sustainable is Digital Fabrication?

Automation is more energy-intensive than mechanisation.

March 2014



High Speed Trains are Killing the European Railway Network

High speed rail is destroying the most valuable alternative



Bike Powered Electricity Generators are Not Sustainable

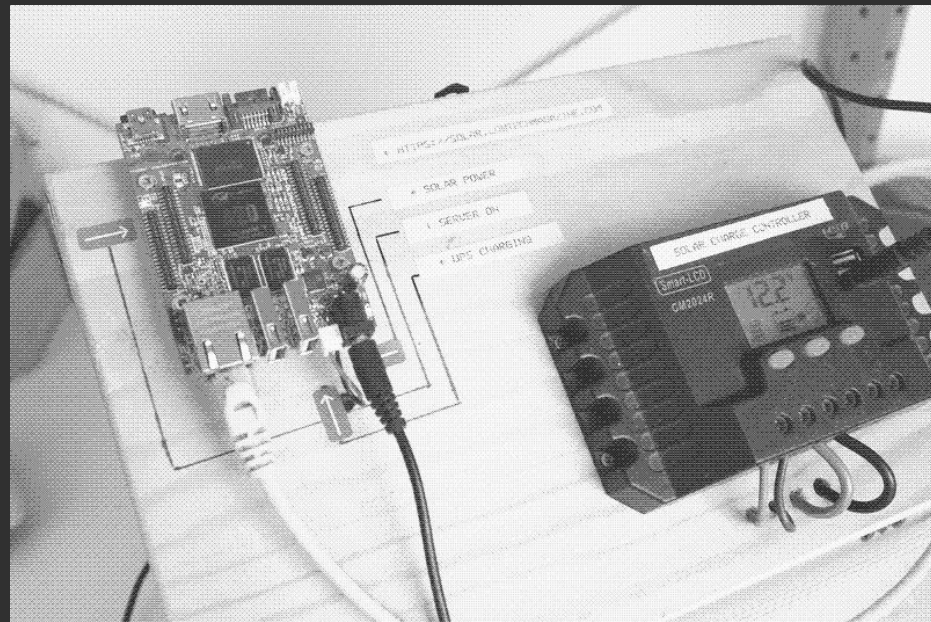
The present approach to pedal power results in highly

DEMO

Le Low-Tech Magazine

<https://solar.lowtechmagazine.com/>

L'exemple que tout le
monde cite 🕶️



Les versions lite

Facebook Basic

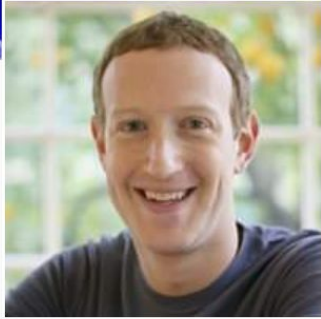
<https://mbasic.facebook.com/>

 Rechercher sur Facebook

Rechercher

Accueil Profil Messages Notifications Discussion instantanée(14) Amis(5) **Pages(6)** **Groupes(2)**
COVID-19 Menu





Mark Zuckerberg  

 Founder and CEO, à Facebook
 Études : Computer Science and Psychology à Harvard University
Bringing the world closer together.

Message S'abonner Plus

Journal · Photos · Mentions J'aime

Emploi

 **Chan Zuckerberg Initiative**
1 décembre 2015 à aujourd'hui

CNN Lite

<http://lite.cnn.com/en>

[CNN](#) | 5/1/2020 | [Listen](#)

Main Stories

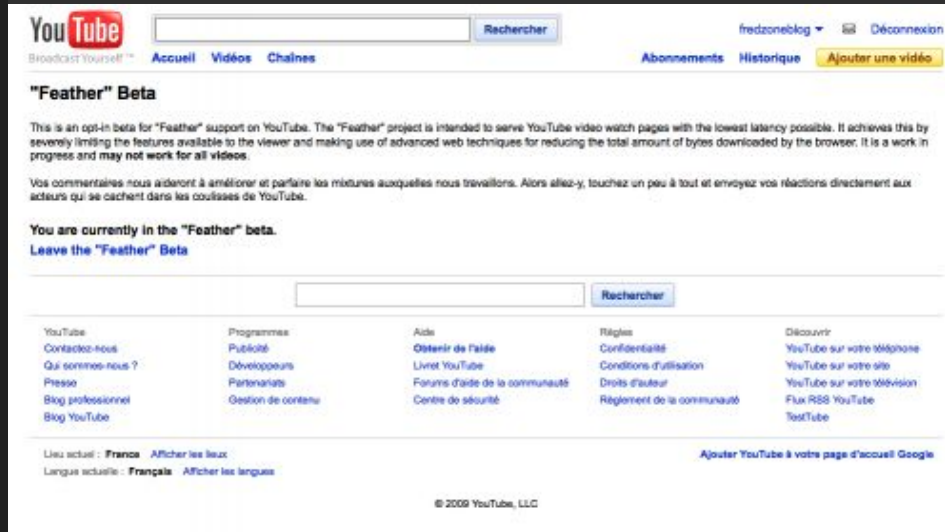
- [In quest for vaccine, US makes 'big bet' on company with unproven technology](#)
- [A ventilator developed by NASA has been approved by the FDA for coronavirus patients](#)
- [Critics said the flu kills more than coronavirus. Why that's not a fair comparison -- and now, it's not even true](#)
- [Trump contradicts US intel community by claiming he's seen evidence coronavirus originated in Chinese lab](#)
- [Trump administration draws up plans to punish China over coronavirus outbreak](#)
- [Opinion: This is what happens when coronavirus research funding gets political](#)
- [Fact check: Hilton CEO shatters Trump's testing conspiracy theory while sitting beside him](#)
- [Can Trump make good on his vaccine promise?](#)
- [Canada bans assault-style weapons after its worst ever mass murder](#)
- [Top HHS spokesman repeatedly directed sexually crude and sexist tweets at women](#)
- [Biden denies sexual assault allegation: 'This never happened'](#)
- [READ: Joe Biden's statement on sexual assault allegation](#)
- [Anderson Cooper announces the birth of his son Wyatt: 'Our family continues'](#)
- [Andy Cohen is thrilled with Anderson Cooper's baby news](#)
- [Nick Cordero's wife says his lungs are 'severely damaged'](#)
- [His pregnant wife was killed in a mass shooting. Her dying wish was for healthcare workers to have PPE](#)
- [This is the most dangerous place in the grocery store](#)

Youtube Feather

[https://blog.chriszacharias.com/
page-weight-matters](https://blog.chriszacharias.com/page-weight-matters)

1.2 Mo => 98 Ko

La latence moyenne
augmente !!???



The screenshot shows the YouTube Feather Beta interface. At the top, there's a YouTube logo and a search bar with the word "Rechercher" (Search). Below the logo, it says "Broadcast Yourself™". The navigation bar includes "Accueil" (Home), "Vidéos" (Videos), and "Chaines" (Channels). On the right, there's a user profile "fredzoneblog", a "Déconnexion" (Logout) button, and links for "Abonnements" (Subscriptions), "Historique" (History), and "Ajouter une vidéo" (Add a video).

The main heading is "Feather" Beta. Below it, a paragraph explains: "This is an opt-in beta for 'Feather' support on YouTube. The 'Feather' project is intended to serve YouTube video watch pages with the lowest latency possible. It achieves this by severely limiting the features available to the viewer and making use of advanced web techniques for reducing the total amount of bytes downloaded by the browser. It is a work in progress and may not work for all videos."

Below this, a paragraph in French says: "Vos commentaires nous aideront à améliorer et parfaire les mixtures auxquelles nous travaillons. Alors allez-y, touchez un peu à tout et envoyez vos réactions directement aux acteurs qui se cachent dans les coulisses de YouTube."

It then states: "You are currently in the 'Feather' beta. Leave the 'Feather' Beta".

Below this is another search bar with the word "Rechercher".

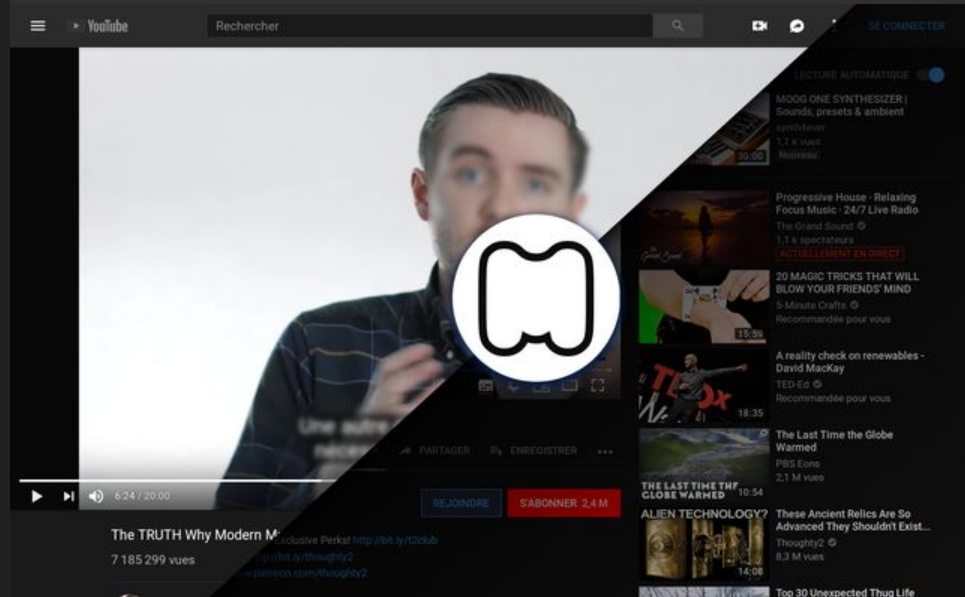
The footer contains a grid of links organized into five columns:

- Column 1: YouTube, Contactez-nous, Qui sommes-nous?, Presse, Blog professionnel, Blog YouTube
- Column 2: Programmes, Publicité, Développeurs, Partenariats, Gestion de contenu
- Column 3: Aide, Obtenir de l'aide, Livret YouTube, Forums d'aide de la communauté, Centre de sécurité
- Column 4: Règles, Confidentialité, Conditions d'utilisation, Droits d'auteur, Règlement de la communauté
- Column 5: Découvrir, YouTube sur votre téléphone, YouTube sur votre site, YouTube sur votre télévision, Flux RSS YouTube, TestTube

At the bottom, there are links for "Lieu actuel : France" and "Afficher les lieux", and "Langue actuelle : Français" and "Afficher les langues". On the right, there's a link "Ajouter YouTube à votre page d'accueil" and a Google logo. The copyright notice "© 2009 YouTube, LLC" is at the bottom center.

minimal

<https://addons.mozilla.org/fr/firefox/addon/minimal-internet-experience/>



Des sites populaires
Low-Tech ça existe ?

craigslist

<https://www.craigslist.org/>

Since 1996

fr

Publier dans Petites annonces

Mon compte

Rechercher dans craigslist

Calendrier d'événements

L	M	M	J	V	S	D
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24

Aide, FAQ, abus, jur.

Éviter scams & fraudes

Conseils pour votre sécurité

Conditions new

Confidentialité

État du système

à propos de craigslist

open source craigslist

Blog craigslist

Bretagne

Communauté

Activités

Animaux

Artistes

Bénévoles

Coup de pouce au destin

Coups de coeur/de griffe

Cours

Covoiturage

Événements

Garde d'enfant

Général

Groupes

Infos& locales

Musiciens

Perdu + trouvé

Politique

Services

Animaux

Annces.PE

Auto

Beauté

Cours

Création

Cycle

écrit./ed./trad

Événements

Financiers

Immobilier

Jardin+agri.

Juridique

Maison

Marin

Ordinateur

port./mobile

travail qualif.

Trsprt/Déménagmt

Voyages / Vac

Forums de discussion

Immobilier

Apts / Immob

Bureaux / Commerces

Chbres / Colloc

Demande de logement

Échange d'apts

Immob à vendre

Locations de vacances

Parking / Garage

Recherche chbre

Sous-loc / Logmt temp

À vendre

Acc.auto

Antiquités

Art+Artisanat

Autos+camions

aviation

Bateaux

Bébé+enfant

Bijoux

Billets

CD/DVD/VHS

Collections

Électroménager

matériel lourd

Meubles

Motos

Ordinateurs

Outils

pcs bateau

Photo+vidéo

pièces de motos

pièces ordi

pièces vélo

Recherche

remorques & caravanes

Emploi

Admin / Secrétariat

Arch / Ingénierie

Art / Média / Création

Biotech / Science

Comm / Direction

Commerce de détail

Compta + finance

Conception Web/Infog

Enseignement

etc / misc

Fonction pub.

Général

Immobilier

Industrie

Jurid / Parajurid

Logiciel / QA / DBA

Marketing / RP / Pub

Médical / Santé

Rédaction / Édition

Ressources humaines

Rest. / Hôtellerie

Salon / Spa / Fitness

Secteur associatif

Sécurité

Service clientèle

français

english

france

bordeaux

bretagne

côte d'azur

grenoble

lille

loire (vallée)

lyon

marseille

montpellier

normandie

paris

strasbourg

toulouse

europe

ci monde

Hacker News

<https://news.ycombinator.com/>

Créé par Paul Graham,
co-fondateur de
Y Combinator

Y Hacker News new past comments ask show jobs submit		login
1. ▲	Ask HN: Who is hiring? (May 2020)	332 points by whoishiring 5 hours ago hide 329 comments
2. ▲	Show HN: Plotting 3 years of hourly data in 150ms (leeoniya.github.io)	147 points by leeoniya 2 hours ago hide 23 comments
3. ▲	New bill threatens journalists' ability to protect sources (techcrunch.com)	190 points by pseudolus 4 hours ago hide 76 comments
4. ▲	Show HN: RegEx for Regular Folk – A visual, example-based introduction to RegEX (shreyasminocha.me)	266 points by shreyasminocha 6 hours ago hide 57 comments
5. ▲	Ask HN: Who wants to be hired? (May 2020)	52 points by whoishiring 3 hours ago hide 91 comments
6. ▲	The Best. iOS Sandbox Escape (siguza.github.io)	53 points by mp3il 2 hours ago hide 4 comments
7. ▲	Physics Today is temporarily making its archive freely available (scitation.org)	212 points by happy-go-lucky 4 hours ago hide 13 comments
8. ▲	Jepsen: Dgraph 1.1.1 (jepsen.io)	111 points by aphyr 5 hours ago hide 40 comments
9. ▲	How failures led to a SaaS [audio] (falloiry.com)	78 points by aledalgrande 4 hours ago hide 19 comments
10. ▲	Automating Complex 3D Modeling (sandia.gov)	10 points by sizzle 1 hour ago hide discuss
11. ▲	The Shareware Scene, Part 2: The Question of Games (filfre.net)	19 points by doppp 2 hours ago hide discuss
12. ▲	Ray Tracing with POV-Ray: 25 scenes in 25 days (2013) (github.com)	74 points by todiaac 5 hours ago hide 54 comments
13. ▲	Virtual tour of the tomb of Pharaoh Ramses VI (matterport.com)	124 points by open-source-ux 6 hours ago hide 32 comments
14. ▲	Comprehensive Tutorial on Time Series Modelling and Forecasting (kanoki.org)	170 points by min2bro 8 hours ago hide 33 comments
15. ▲	Git Branch Naming Conventions (deepsources.io)	65 points by sanketsaurav 4 hours ago hide 43 comments

DEMO

Hacker News

Témoignage en 2019

[https://news.ycombinator.com/
item?id=20854214](https://news.ycombinator.com/item?id=20854214)

▲ Tell HN: Thank you for not redesigning Hacker News

1831 points by ramphastidae 8 months ago | hide | past | web | favorite | 390 comments

I'm currently in a country with low speed internet and the entire 'modern' web is basically unusable except HN, which still loads instantly. Reddit, Twitter, news and banking sites are all painfully slow or simply time out altogether.

To PG, the mods and whoever else is responsible: thank you for not trying to 'fix' what isn't broken.

Thank you for not trying to
'fix' what isn't broken

Le cas Medium

Medium

<https://medium.com/>



Sign inGet started

WORLD ECONOMIC FORUM

STRATEGY MEETING 2018GENDERGEO-ECONOMICSENVIRONMENTSCIENCE AND TECHNOLOGY

Frugal innovation: the quiet revolution that is fighting off inequality

World Economic Forum

Follow

Apr 21, 2017 · 5 min read





Affordable technologies are allowing people to innovate in ways that were previously only available to large corporations. Image: REUTERS/Pilar Olivares

M

https:

Pardon the interruption.

We've seen you here before. Let's make things official.

 Sign up with Google

 Sign up with Facebook

Already have an account? [Sign in](#)

To make Medium work, we log user data and share it with service providers. Click "Sign up" above to accept Medium's [Terms of Service](#) & [Privacy Policy](#).



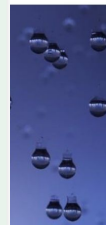
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[Get started](#)

[ENVIRONMENT](#)

[SCIENCE AND TECHNOLOGY](#)

olution



only available to large

Medium

To keep reading this story, create a free account.



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STRATEGY MEETING 2018

GENDER

GEO-ECONOMICS

ENVIRONMENT

SCIENCE AND TECHNOLOGY

Frugal innovation: the quiet revolution that is fighting off inequality



World Economic Forum

[Follow](#)

Apr 21, 2017 · 5 min read



et si on ne gardait
que l'essentiel ?

Telegraph

<https://telegra.ph/>

Title

Your name

Your story...

PUBLISH

txti.es

<http://txti.es/>

txti

Fast web pages for everybody.

[What is txti?](#) | [How to use txti](#)

Create a txti

Content (required)

By continuing, you agree to the [terms of service](#).

or

txti.es

<https://motherfuckingwebsite.com/>

This is a motherfucking website.

And it's fucking perfect.

Seriously, what the fuck else do you want?

You probably build websites and think your shit is special. You think your 13 megabyte parallax-ative home page is going to get you some fucking Awwward banner you can glue to the top corner of your site. You think your 40-pound jQuery file and 83 polyfills give IE7 a boner because it finally has box-shadow. Wrong, motherfucker. Let me describe your perfect-ass website:

- Shit's lightweight and loads fast
- Fits on all your shitty screens
- Looks the same in all your shitty browsers
- The motherfucker's accessible to every asshole that visits your site
- Shit's legible and gets your fucking point across (if you had one instead of just 5mb pics of hipsters drinking coffee)

Well guess what, motherfucker:

You. Are. Over-designing. Look at this shit. It's a motherfucking website. Why the fuck do you need to animate a fucking trendy-ass banner flag when I hover over that useless piece of shit? You spent hours on it and added 80 kilobytes to your fucking site, and some motherfucker jabbing at it on their iPad with fat sausage fingers will never see that shit. Not to mention blind people will never see that shit, but they don't see any of your shitty shit.

You never knew it, but this is your perfect website. Here's why.

It's fucking lightweight

This entire page weighs less than the gradient-meshed facebook logo on your fucking Wordpress site. Did you seriously load 100kb of jQuery UI just so you could animate the fucking background color of a div? You loaded all 7 fontfaces of a shitty webfont just so you could say "Hi " at 100px height at the beginning of your site? You piece of shit

```
▼<style type="text/css">
  body{
    margin:40px auto;
    max-width:650px;
    line-height:1.6;
    font-size:18px;
    color:#444;
    padding:0 10px
  }
  h1,h2,h3{
    line-height:1.2
  }
</style>
```

This is *still* a motherfucking website.

And it's more fucking perfect than the last guy's.

Seriously, it takes minimal fucking effort to improve this shit.

7 fucking declarations.

That's how much CSS it took to turn that [grotesque pile of shit](#) into this easy-to-read masterpiece. It's so fucking simple and it *still* has all the glory of the original perfect-ass website:

- Shit's *still* lightweight and loads fast
- *Still* fits on all your shitty screens
- *Still* looks the same in all your shitty browsers
- The motherfucker's *still* accessible to every asshole that visits your site
- Shit's *still* legible and gets your fucking point across

And guess what, motherfucker:

You never knew it, but it's easy to improve readability on your site. Here's how.

Let it breathe

Look at lines 1 and 2 of some shitty website you're building. Assuming they're not married they probably shouldn't be humping. The defaults are trash -- pick a minimum `line-height: 1.4` for body copy. Headings should be tighter. If you can't see that...piss off.

itty bitty

<https://itty.bitty.site>

28 bytes qr code menu

itty bitty things

can be conveyed in a link.

type here – and then share!

[about itty bitty](#)

copy link

share via

twitter

new site

about itty

DEMO

itty bitty

[https://itty.bitty.site/
#About/XQAAAAI9BwAAAAAAA
AAeHMqHyTY4PyKmqfkwr6ooC
XSIMxPO7ojYR153HqZD3W+ke
Vdvwyoyd+luwncAksvskG/my
97qDaUEyfDGB0QDbdURMwS0L
90o5FnO7O+BMmWrcB7fs71TJ](https://itty.bitty.site/#About/XQAAAAI9BwAAAAAAA
AAeHMqHyTY4PyKmqfkwr6ooC
XSIMxPO7ojYR153HqZD3W+ke
Vdvwyoyd+luwncAksvskG/my
97qDaUEyfDGB0QDbdURMwS0L
90o5FnO7O+BMmWrcB7fs71TJ)

Itty bitty sites are contained *entirely* within their own link. (Including this one!)
This means they're...

-  **Portable** - you don't need a server to host them
-  **Private** - nothing is sent to—or stored on—*this* server
-  **Easy to share** as a link or [QR code](#)

Itty bitty sites can hold about as much as a printed page, and there is a lot you can do with that:

-  Compose [poetry](#)
-  Create an [app](#)
-  Bypass a 140 [280 char limit](#)
-  Express yourself [in ascii](#)

Learn more: [How it works](#) - [Advanced editing](#) - [Security](#) - [GitHub](#)

Create a new site

itty bitty

<https://bit.ly/3bVsm8k>



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Learn more: [How it works](#) - [Advanced editing](#) - [Security](#) - [GitHub](#)

Create a new site

Les Wikis

Wikipedia

<https://fr.wikipedia.org>



WIKIPÉDIA
L'encyclopédie libre

Accueil
Portails thématiques
Article au hasard
Contact

Contribuer

Débuter sur Wikipédia
Aide
Communauté
Modifications récentes
Faire un don

Outils

Pages liées
Suivi des pages liées
Téléverser un fichier
Pages spéciales
Lien permanent
Informations sur la page
Éléments Wikidata

Non connecté Discussion Contributions Créer un compte Se connecter

Accueil Discussion Lire Voir le texte source Voir l'historique

Rechercher dans Wikipédia



Wikipédia
L'encyclopédie libre que chacun peut améliorer

Version pour appareil mobile

Accueil de la communauté
Comment contribuer ?

Portails thématiques
Principes fondateurs

Sommaire de l'aide
Poser une question

ARTICLE LABELLISÉ DU JOUR

Mia Khalifa (en arabe : ميا خليفة), née le 10 février 1993 à Beyrouth (Liban), est une influenceuse et personnalité médiatique américano-libanaise. Elle est surtout célèbre pour avoir eu une courte carrière en tant qu'actrice de films pornographiques entre octobre 2014 et février 2015.

Appartenant à la communauté des chrétiens d'Orient au Liban, sa famille déménage aux États-Unis en 2001. Mia Khalifa commence une carrière d'actrice pornographique en octobre 2014. Dès le mois de décembre de la même année, elle connaît un immense succès grâce à la diffusion d'une scène dans laquelle elle porte le hidjab, foulard porté par les femmes musulmanes. Grâce à cette vidéo, elle devient l'actrice la plus vue et recherchée sur le site de streaming pornographique Pornhub, leader



PRÉSENTATION

Wikipédia est un projet d'encyclopédie collective en ligne, universelle, multilingue et fonctionnant sur le principe du wiki. Ce projet vise à offrir un contenu librement réutilisable, objectif et vérifiable, que chacun peut modifier et améliorer.

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Les rédacteurs des articles de Wikipédia sont bénévoles. Ils

Tiddly Wiki

<https://tiddlywiki.com/>

[GettingStarted](#) [Contents](#)

HelloThere

15th April 2020 at 6:08pm

[TableOfContents](#)

Have you ever had the feeling that your head is not quite big enough to hold everything you need to remember?

Welcome to **TiddlyWiki**, a unique **non-linear** notebook for **capturing**, **organising** and **sharing** complex information.

Use it to keep your **to-do list**, to plan an **essay** or **novel**, or to organise your wedding. Record every thought that crosses your brain, or build a flexible and responsive website.



Introduction to TiddlyWiki



A Gentle Guide



What's New in 5.1.22



TiddlyMap Plugin



Helping TiddlyWiki



Developers



TiddlyWiki Classic

TiddlyWiki

a non-linear personal web notebook

+ ⚙️ ☑️

[Open](#) [Contents](#) [Recent](#) [Tools](#) [More](#)

- × HelloThere
- × GettingStarted
- × Community

close all

Tiddly Wiki

<https://classic.tiddlywiki.com/archive/firstversion.html>

Première version en 2004

TiddlyWiki *a reusable non-linear personal web notebook*

StartHere
UsingThisSite
ReusingThisSite
AdaptingThisSite
TiddlyWiki
TiddlyWikiDev

Copyright 2004
JeremyRuston

StartHere

This is the [FirstVersion](#) of [TiddlyWiki](#). It has been superseded by the [ThirdVersion](#) at <http://www.tiddlywiki.com>

Save all

Recent tiddlers:

SavingStuff
FirstVersion
StartHere
JeremyRuston
TiddlyWiki

All tiddlers:

EmailMe
FirstVersion
JeremyRuston
MainMenu
SavingStuff
SelfContained
SiteSubtitle
SiteTitle
SpecialTiddlers
StartHere
TiddlyWiki
UsingThisSite
WikiWord

License:

This work is licensed under a
Creative Commons License

DEMO

Tiddly Wiki

<http://www.climate-change-two.net/>

Autre exemple de 2007

Climate Change 2.0

Drawing on the intelligence of a knowledge-based universe to address the climate change crisis



[Climate Change 2.0](#)
What Future for Life on Earth?
>
[Climate Change 2.0 Elements](#)
Economics of Climate Change
Confronting Climate Change
Rescuing a Planet Under Stress
-

[Sustainable Development](#) >
[2009 Annual DPM/NGO Conference](#) >
The Conference Of NGOs
NGO Committee on Education >
[Subscribe to Climate Change 2.0](#)
-
[About us](#)

Creative Commons TiddlyWiki edition of Climate Change 2007: IPCC Fourth Assessment Report

New

Visit [Climate Change 2007: IPCC Fourth Assessment Report](#) to see a draft version of a [Creative Commons TiddlyWiki](#) edition of the [Summary for Policymakers](#) of the recently-released [Synthesis Report](#) from the [Intergovernmental Panel on Climate Change](#)

Climate Change 2.0

"No problem can be solved from the same level of consciousness that created it."
Albert Einstein (1879 - 1955) Physicist & Nobel Laureate

Climate Change 2.0 is being developed from a vision of a collaborative application of **Web 2.0** methodologies to the global climate change crisis and incorporating a transition to an Open Source, Creative Commons climate. **Climate Change 2.0** is based on the recognition of the vital contribution that the combination of the **economics of information** and information and communications technologies (ICT) can contribute - and already are contributing - to addressing what is increasingly recognized as the greatest challenges to a sustainable common future, both through the power of the technologies and through the progressive discovery and realization of the fundamental properties and nature of a digital knowledge-based universe and the accompanying profound freedoms and transformation of human consciousness and the emergence of digitally-connected global civil society that has been growing rapidly since the early stages of preparations for the 1992 Earth Summit - of which the **United Nations Framework Convention on Climate Change** was a key component.

The Interlocking Crises

Until recently, the planet was a large world in which human activities and their effects were nearly compartmentalized within nations, within sectors (energy, agriculture, trade), and within broad areas of concern (environment, economics, social). These compartments have begun to dissolve. This applies in particular to the various global 'crises' that have seized public concern, particularly over the past decade. These are not separate crises: an environmental crisis, a

L'Open Source

Un github low-tech ?

sourcehut

<https://sourcehut.org/>

Almost no JS

The screenshot shows the sourcehut web interface for the repository `~sircmpwn/scdoc`. At the top, there's a navigation bar with links for `summary`, `tree`, `log`, `refs`, and `contributors`. The main content area is divided into three columns. The left column lists recent commits with their hashes, authors, and descriptions. The middle column shows the current branch (`master`) and version (`1.10.1`), along with links to `browse`, `log`, and `release notes`. The right column provides cloning instructions for both `read-only` and `read/write` access, including a button to `Clone repo to your account`. Below the commit list, there's a section for `scdoc` with a description and an `Installation` section containing a `make` command.

sourcehut Log In — Register

`~sircmpwn/scdoc` summary tree log refs contributors

Small man page generator

ba9ebab7 — Damien Tardy-Panis a month ago Allow subsection in preamble	refs master browse log 1.10.1 release notes	clone read-only https://git.sr.ht/~sircmpwn/scdoc read/write git@git.sr.ht:~sircmpwn/scdoc Clone repo to your account You can also use your local clone with git_send_email.
656484e0 — Damien Tardy-Panis a month ago Section needs to be explicitly defined		
9793e00e — Drew DeVault 2 months ago Update version to 1.10.1		

scdoc

scdoc is a simple man page generator for POSIX systems written in C99.

Installation

```
make
sudo make install
```

Git repository

sourcehut

<https://sourcehut.org/>

Almost no JS

sourcehut

[Log in](#) — [Register](#)

#97412  success

▼ setup

sway(5): move workspace_layout to
config only

[344c259](#) — [sRouven Czerwinski](#)

Owner

[-sjrcmpwn](#)

Created

6 months ago

Updated

6 months ago

Build manifest

[view manifest »](#)

Tasks

	view log »
 scdoc	view log »
 wlrroots	view log »
 setup	view log »

```
1 [97412] 2019/10/16 11:21:49 Booting image alpine/edge (default) on port 22504
2 [97412] 2019/10/16 11:21:54 Waiting for guest to settle
3 [97412] 2019/10/16 11:22:01 Sending tasks
4 [97412] 2019/10/16 11:22:02 Sending build environment
5 [97412] 2019/10/16 11:22:02 Installing packages
6 Warning: Permanently added '[localhost]:22504' (ECDSA) to the list of known hosts.
7 fetch http://repo-cache.local/alpine/edge/main/x86_64/APKINDEX.tar.gz
8 fetch http://repo-cache.local/alpine/edge/community/x86_64/APKINDEX.tar.gz
9 fetch http://repo-cache.local/alpine/edge/testing/x86_64/APKINDEX.tar.gz
10 v20190925-798-g7ec6baa566 [http://repo-cache.local/alpine/edge/main]
11 v20190925-816-g38e7f52179 [http://repo-cache.local/alpine/edge/community]
12 v20190925-817-gf3820b47e7 [http://repo-cache.local/alpine/edge/testing]
13 OK: 15043 distinct packages available
14 Warning: Permanently added '[localhost]:22504' (ECDSA) to the list of known hosts.
15 (1/144) Installing libpng (1.6.37-r1)
16 (2/144) Installing freetype (2.10.1-r0)
17 (3/144) Installing fontconfig (2.13.1-r2)
18 (4/144) Installing expat-dev (2.2.9-r0)
19 (5/144) Installing zlib-dev (1.2.11-r3)
20 (6/144) Installing libpng-dev (1.6.37-r1)
21 (7/144) Installing freetype-dev (2.10.1-r0)
22 (8/144) Installing libfdisk (2.34-r0)
23 (9/144) Installing libsmartcols (2.34-r0)
```

Continuous Integration

sourcehut

<https://sourcehut.org/>

Almost no JS

sourcehut [Log in](#) — [Register](#)

[~emersion/mrsh-dev](#) [archives](#) [patches](#) [new post](#)

This thread contains a patchset. You're looking at the original emails, but you may wish to use the patch review UI. [Review patch ▶](#)

[PATCH mrsh] Store and expand positional arguments 🔗 2

[Drew DeVault](#) [▶ Details](#) [1 year, 9 months ago](#)

Patch: +102 -50

```
---
builtin/set.c      | 84 ++++++++++++++++++++++++++++++++++++++-----
include/builtin.h  | 1 +
include/mrsh/shell.h | 4 +++
main.c            | 40 +-----
shell/shell.c      | 1 +
shell/task_token.c | 22 ++++++
6 files changed, 102 insertions(+), 50 deletions(-)

diff --git a/builtin/set.c b/builtin/set.c
index 3d6f873..a0c410d 100644
--- a/builtin/set.c
@@ -1,3 +1,5 @@
+#define _POSIX_C_SOURCE 200809L
+#include <errno.h>
```

Code review

sourcehut

<https://sourcehut.org/>

Almost no JS

sourcehut

~sircmpwn/todo.sr.ht

open tickets closed tickets labels

Tickets for the todo.sr.ht ticket service.

Do not file security-related tickets here. Email them to sir@cmprwn.com.

[Register here](#) or [Log in](#) to submit tickets, or [submit via email](#).

Search tickets... status:closed label:label order:updated submitter:me

#212	Delete tracker listed twice in API docs	2 days ago	~samwhited	1
#214	Updating ticket by status and resolution via API does not work	3 days ago	~samwhited	1
#36	Implement GitHub-style checkbox lists	4 days ago	~sircmpwn	1
#210	show trackers with notifications enabled	4 days ago	~rwa	0
#209	No method for creating labels in API	a month ago	~samwhited	0
#207	Always display error messages "above the fold"	2 months ago	~amiryal	0
#206	Editing ticket doesn't create "referenced from"	2 months ago	~genbyte	0
#203	The sorting order of tickets	3 months ago	~eb	0
#124	Prevent double submission for comments	3 months ago	~martijnbraam	2
#202	Changing links in header to target the same project	3 months ago	~eb	0
#201	Markdown is generating some escaped HTML	4 months ago	~samwhited	2
#123	Distinguish comment and information columns	4 months ago	~maxleiter	0
#199	Feature request: search/filter which does NOT contain a label	4 months ago	~guywithknife	1
#198	Create & configure directs to a URL without the ~ before the username	4 months ago	~kcclemens	0

Issue tracking

sourcehut

<https://sourcehut.org/>

Almost no JS

 sourcehut

[Log in](#) — [Register](#)

Installation

article source history

sr.ht is a distributed system. Each service, such as `git.sr.ht` and `builds.sr.ht`, runs independently, with its own database and resources. They communicate with each other using mainly their respective APIs and webhooks, and are mostly tolerant to the temporary or permanent absence of their peers. The system is fairly complex, and is designed more for deployment at scale than for small-scale installations. However, you can choose a subset of these services to install as your needs demand, and it will work correctly.

Table of Contents

1. [Packages](#)

2. [Prerequisites](#)

3. [Installing SourceHut services](#)

[sr.ht core](#)

[meta.sr.ht](#)

[Service configuration](#)

[Service keys](#)

[Mail configuration](#)

[Database Configuration](#)

[Schema Upgrades](#)

[Upgrade procedure](#)

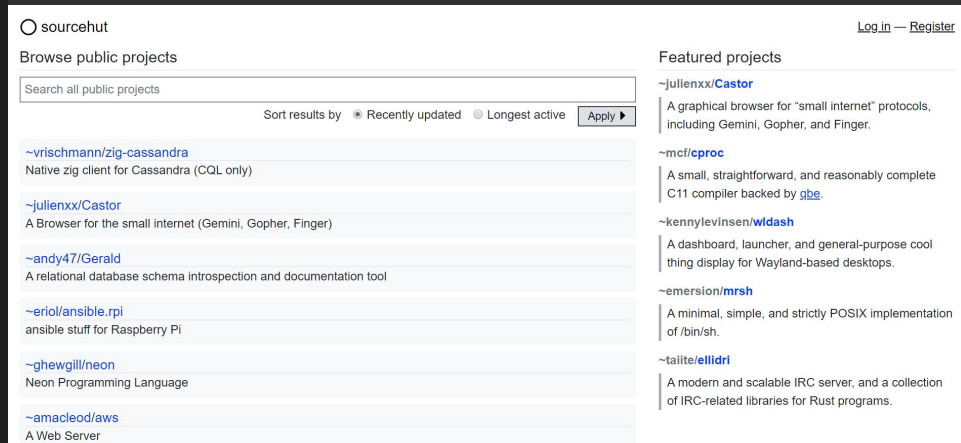
[Start the daemons](#)

Wiki

sourcehut

<https://sourcehut.org/>

Almost no JS



The screenshot shows the sourcehut website interface. At the top, there's a navigation bar with the sourcehut logo, a "Browse public projects" section, and links for "Log in" and "Register". Below the navigation bar, there's a search bar labeled "Search all public projects" and a "Sort results by" dropdown menu with options for "Recently updated" (selected) and "Longest active". A list of projects is displayed, each with a username, a project name, and a brief description. The projects listed are: ~vrishmann/zig-cassandra (Native zig client for Cassandra (CQL only)), ~julienxx/Castor (A Browser for the small internet (Gemini, Gopher, Finger)), ~andy47/Gerald (A relational database schema introspection and documentation tool), ~eriol/ansible.rpi (ansible stuff for Raspberry Pi), ~ghewgill/neon (Neon Programming Language), and ~amacleod/aws (A Web Server). On the right side, there's a "Featured projects" section with a list of featured projects, each with a username, a project name, and a brief description. The featured projects are: ~julienxx/Castor (A graphical browser for "small internet" protocols, including Gemini, Gopher, and Finger), ~mcf/cproc (A small, straightforward, and reasonably complete C11 compiler backed by gbe), ~kennylevinsen/wldash (A dashboard, launcher, and general-purpose cool thing display for Wayland-based desktops), ~emersion/mrsh (A minimal, simple, and strictly POSIX implementation of /bin/sh), and ~tailte/ellidri (A modern and scalable IRC server, and a collection of IRC-related libraries for Rust programs).

Annuaire de projets

<https://sr.ht/projects>

sourcehut

- We don't send your data to third parties³
- We have no tracking whatsoever
- Everything works without JavaScript anyway
- We don't use opt-out marketing emails
- There are no advertisements in the UI
- The hosted code is the same as the open source code
- No one can strong-arm us into taking on unethical business partners

<https://sourcehut.org/blog/2019-10-23-srht-puts-users-first/>

Accessibility through simplicity

<https://sourcehut.org/blog/2020-05-27-accessibility-through-simplicity>

May 27, 2020 by Drew DeVault

Achieving accessibility through simplicity

I have received many emails complimenting SourceHut's simple design and lightweight pages¹, but I have received a surprising amount of positive feedback from a particular group of users: the blind community.

For many software teams, especially web developers, accessibility is an extremely burdensome task. Many companies have written checks with an uncomfortable number of zeroes on them to get the job done. Sprinkling [ARIA tags](#) all over your DOM to annotate elements with their purpose, and updating these as your DOM changes over time, is no small task, and makes your code more difficult to maintain. It's not especially surprising that many blind users are constantly frustrated when trying to use the web.

How did SourceHut make such an accessible website, even in the face of these trials? In truth, even though accessibility is important to me, I haven't worked especially hard to make SourceHut accessible — I have devoted no more than three or four hours, in total, explicitly towards accessibility. Instead, SourceHut is accessible because the core principles of simplicity upon which it is built naturally lead to an accessible design. We're here today to share our thoughts so that you might apply the same principles to your own website.

First, consider the audience you're designing for. Your users have a diverse set of abilities, and a varied approach to accessibility is necessarily required to accommodate for them. Different users will

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Simplicity improves performance and reliability

<https://sourcehut.org/blog/2020-04-20-prioritizing-simplicity/>

April 20, 2020 by Drew DeVault

Prioritizing simplicity improves performance and reliability

We recently put together some automated testing which evaluates the performance of various software forges without bias¹: the [Software Forge Performance Index](#). The goal is to push our community of software forges to strive for higher performance, to tighten your workflow loop and to better service communities without access to high-speed internet or newer computer hardware. I also included results for accessibility testing, hoping that we can push each other to improve on that front as well.

These tests show that SourceHut has room for improvement. For one, some important features are conspicuously absent, like a git blame view. GitHub beats out our performance at rendering commits and tickets, and on several pages GitHub and Bitbucket both have better accessibility scores than the equivalent sr.ht page. But the overall results are clear: SourceHut is the best performing code forge, and by a wide margin. The data also shows that our approach delivers the best reliability: our friends at GitHub and GitLab have struggled with outages [15 of the last 90 days](#) and [18 of the last 90 days](#), respectively. SourceHut has had [two outages in 2020](#), both of which were planned and announced a week in advance, and only one of which affected more than one subsystem.

The secret is, as you may have guessed, to prioritize simplicity. It's all too easy for a development team to chase after shiny features — I know because it tempts me, too. But sooner or later the chickens come home to roost, and you have a giant single-page application downloading a megabyte

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We have no Kubernetes here, no Docker, no CloudFormation, no monorepos. SourceHut has 10 dedicated servers and about 30 virtual machines, all of which were provisioned by hand. We prefer

These tests show that SourceHut has room for improvement. For one, some important features are conspicuously absent, like a git blame view. GitHub beats out our performance at rendering commits and tickets, a [code forge](#), equivalent sr. **no moving parts that we don't understand.** and by a wide margin. The data also shows that our approach delivers the best reliability: our friends at GitHub and GitLab have struggled with outages [15 of the last 90 days](#) and [18 of the last 90 days](#), respectively. SourceHut has had [two outages in 2020](#), both of which were planned and announced a week in advance, and only one of which affected more than one subsystem.

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- Technologie,
+ Savoir faire

L'effet RGPD

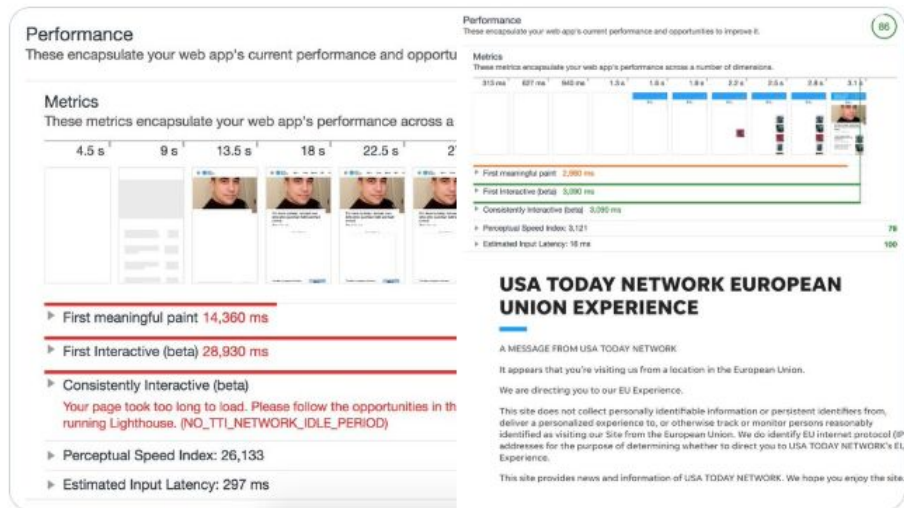


Marcel Freinbichler

@fr3ino

Because of [#GDPR](#), USA Today decided to run a separate version of their website for EU users, which has all the tracking scripts and ads removed. The site seemed very fast, so I did a performance audit. How fast the internet could be without all the junk! 🙄
5.2MB → 500KB

[Traduire le Tweet](#)



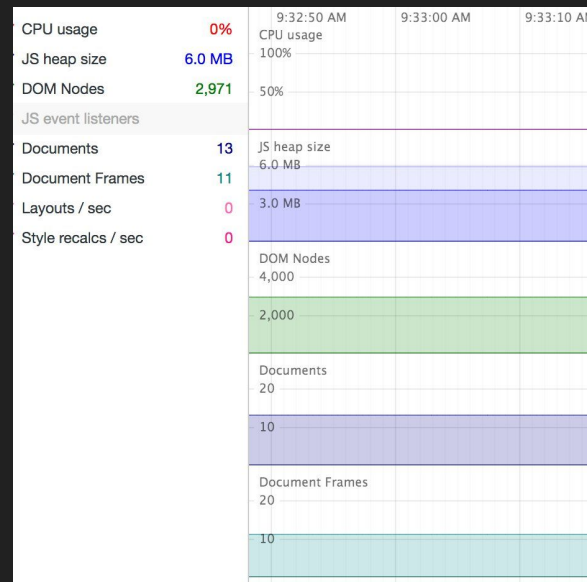
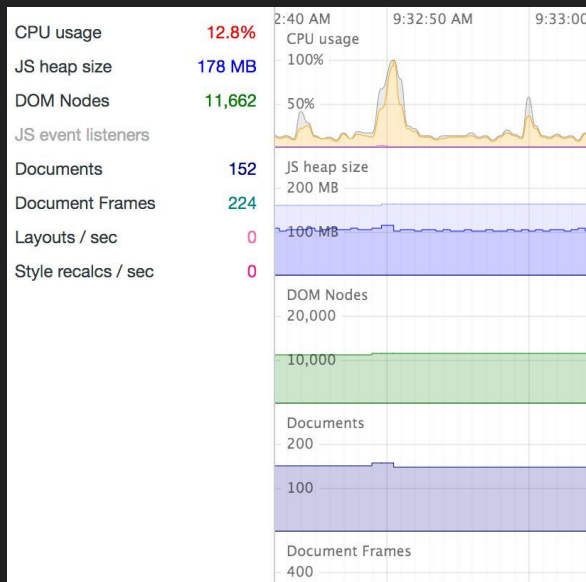


Jason Miller 🐱🔬

@_developit

Here's a recipe webpage after sitting for 5 minutes:

↙ with ads **VS** with ads blocked ↘



D'autres exemples
plus exotiques 🌴

LibreTaxi

<https://libretaxi.org/>

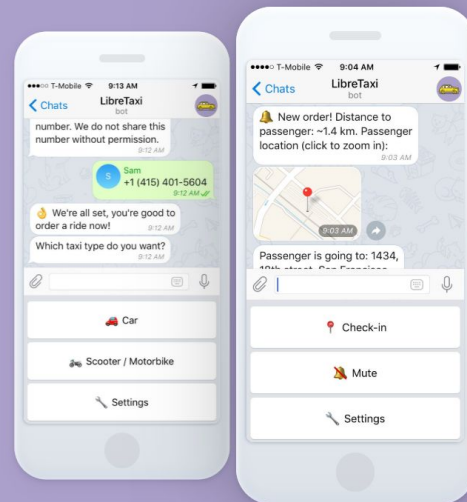
LIBRETAXI

Free and open source alternative to Uber/Lyft connecting passengers and drivers.

LibreTaxi makes ridesharing affordable by getting rid of the third party between passengers and drivers. Negotiate the price before the ride is confirmed, pay cash upon arrival. 1-minute hiring for all drivers.

INSTALL

SOURCE



LibreTaxi

Un village sibérien

Personne ne connaît Uber

Pas de filtres sur les
groupes Telegram



Un chatbot !

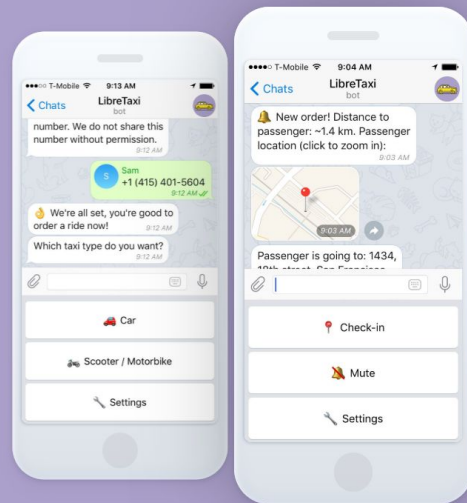
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INSTALL

SOURCE



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Pas de filtres sur les
groupes Telegram



Un chatbot !



[https://twitter.com/LibreTaxiOrg/
status/904556328693112832/photo/1](https://twitter.com/LibreTaxiOrg/status/904556328693112832/photo/1)

Scuttlebutt

<https://scuttlebutt.nz/>

Scuttlebutt

social network

a decentralised platform



Get Started



Scuttlebutt

@Antoine Cailly

@UP7zpmox0RbLL1wMZ00xtYbpwmc/
AQtmix5zbDLh0P8=.ed25519



The screenshot shows a presentation slide from the CodeBusters conference. On the left, a small video inset shows a man in a red jacket standing at a podium. The main slide has a dark background with the text "Construire un Facebook décentralisé" in white. To the right of the text is a cartoon illustration of a blue and yellow bee inside a hexagonal frame. At the bottom of the slide, there is a logo for "BrexitCamp's CODEBUSTERS" with the subtitle "La conférence à l'ouest". The slide is framed by a light blue border with a small ghost icon in the top left and top right corners.

Construire un
Facebook
décentralisé

BrexitCamp's
CODEBUSTERS
La conférence à l'ouest

<https://www.youtube.com/watch?v=ymDi-gwWvrc>

Scuttlebutt

Offline first



%hFnMpqI1w3iKdQ0XxYD/s1FU7
t8D+fDxgyPkWssSmKk=.sha256

Forever free

No ads.

No pay wall.

No data centers.

No cloud. No cookies.

No company. No investors.

No token. No ICO. No blockchain.

No tracking. No spying. No analytics.

No tedious registration. No premium costs.

No annoying notifications, emails, and banners.

<https://www.manyver.se/>

Des tendances
similaire ?

mais avant ça,

des questions ou remarques ?

Progressive enhancement

Tous les navigateurs
supportés (lecteurs d'
écrans compris)

HTML sémantique

CSS et JS pour améliorer
l'expérience utilisateur

Technology

[Give feedback about this page](#)

Building a resilient frontend using progressive enhancement

From: [Technology community \(frontend development\)](#)

Last updated: 5 months ago

Page contents:

- [Start with HTML](#)
- [Using interactive elements](#)
- [Adding the extras](#)
- [Building more complex services](#)
- [Testing your service](#)
- [Do not assume users turn off CSS or JavaScript](#)
- [Case studies and related guides](#)

Progressive enhancement is a way of building websites and applications. It's based on the idea that you should start by making your page work with just HTML, before adding anything else like Cascading Style Sheets (CSS) and JavaScript.

This is because HTML is the most resilient layer. If the HTML fails there's no web page. Should the CSS or JavaScript fail, the HTML will still render correctly.

Using progressive enhancement means your users will be able to do what they need to do if any part of the stack fails. Building your service using progressive enhancement will:

- make your service more resilient
- mean your service's most basic functionality will work and meet the core needs of the user
- improve accessibility by encouraging best practices like [writing semantic markup](#)
- help users with device or connectivity limitations to use your service

[https://www.gov.uk/service-manual/technology/
using-progressive-enhancement](https://www.gov.uk/service-manual/technology/using-progressive-enhancement)

Designed to last

- Return to vanilla HTML/CSS
- Don't minimize that HTML
- Prefer one page over several
- End all forms of hotlinking
- Stick with the 13 web safe fonts +2
- Obsessively compress your images
- Eliminate the broken URL risk

A Manifesto for Preserving Content on the Web

This Page is Designed to Last

By [Jeff Huang](#) on 2019-12-19

For a professor, the end of the year is an opportunity to clean up and reset for the upcoming new semester. I found myself clearing out old bookmarks—yes, bookmarks: that formerly beloved browser feature that seems to have lost the battle to 'address bar autocomplete'. But this nostalgic act of tidying led me to despair.

Bookmark after bookmark led to dead link after dead link. Vanished are amazing pieces of writing on kuro5hin about tech culture, and a collection of mathematical puzzles and their associated discussion by academics that my father introduced me to; gone are Woodman's Reverse Engineering tutorials from my high school years, where I first tasted the feeling of dominance over software; even my most recent bookmark, a series of posts on Google+ exposing usb-c chargers' non-compliance with the specification, disappeared.

This is more than just link rot, it's the increasing complexity of keeping alive indie content on the web, leading to a reliance on platforms and time-sorted publication formats (blogs, feeds, tweets).

https://jeffhuang.com/designed_to_last/

Choose boring technology

- Embrace boredom
- **Optimize globally**
- Choose new technology,
Sometimes
- Just ship

Choose Boring Technology

@mcfunley

mcfunley.com

Wikimedia Dev Summit • January 2018

<https://mcfunley.com/choose-boring-technology>

<http://boringtechnology.club/>

Brutalist Web Design

- Content is readable on all reasonable screens and devices.
- Only hyperlinks and buttons respond to clicks.
- Hyperlinks are underlined and buttons look like buttons.
- The back button works as expected.
- View content by scrolling.
- Decoration when needed and no unrelated content.
- Performance is a feature.

Guidelines for **Brutalist Web Design**

Raw content true to its construction

By [David Bryant Copeland](#) Updated Jan 31, 2020

<https://brutalist-web.design/>

Brutalist Web Design

"By default, a website that uses HTML as intended and has no custom styling will be readable on all screens and devices.

Only the act of design can make the content less readable, though it can certainly make it more."

Guidelines for **Brutalist Web Design**

Raw content true to its construction

By [David Bryant Copeland](#) Updated Jan 31, 2020

<https://brutalist-web.design/>

Resilient Web Design

"Here's a three-step approach
I take to web design:

- Identify core
functionality.
- Make that functionality
available using the
simplest possible
technology.
- Enhance!"

Resilient web design

by Jeremy Keith

<https://resilientwebdesign.com/>

Et dans les
outils de dev ?

La réhabilitation du fait maison

- Technologie,
- + Savoir faire



Laurie Voss @seldo · 1 mai

I cannot emphasize enough that "I should write my own framework!" is the wrong call 99.9% of the time.

[Afficher cette discussion](#)

<https://twitter.com/tjholowaychuk/status/1256180687088111616?s=20>



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Writing HTML in HTML

Published on 2019-06-19

I've just finished the final rewrite of my website. I'm not lying: this is the last time I'm ever going to do it. This website has gone through countless rewrites – from PHP to WordPress to Jekyll to multiple static site generators of my own – but this is the final one. I know so, because I've found the ultimate method for writing webpages: **pure HTML**.

It sounds obvious, but when you think about how many static site generators are being released every day – [the list](#) is practically endless – it's far from obvious. Drew DeVault recently [challenged](#) people to create their own blog, and he didn't even mention the fact that one could write it in pure HTML:

If you want a hosted platform, I recommend write.as. If you're technical, you could build your own blog with Jekyll or Hugo. GitHub offers free hosting for Jekyll-based blogs.

Now, there's nothing wrong with Jekyll or Hugo; it's just interesting that HTML doesn't even get a mention. And of course, I'm not criticizing Drew; I think the work he's doing is great. But, just like me and you, he is a child of his time.

That's why I'm writing this blog post – to turn the tide just a little bit.

So what are the benefits of writing HTML in HTML?

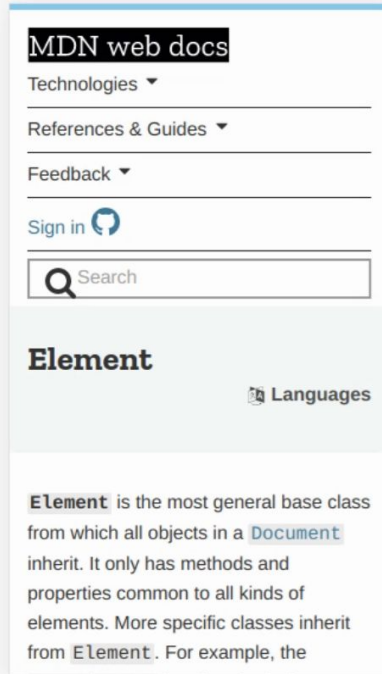
There's one less level of indirection.

This point is simple, but hugely important.

<http://john.ankarstrom.se/html/>

Normal <a> tag

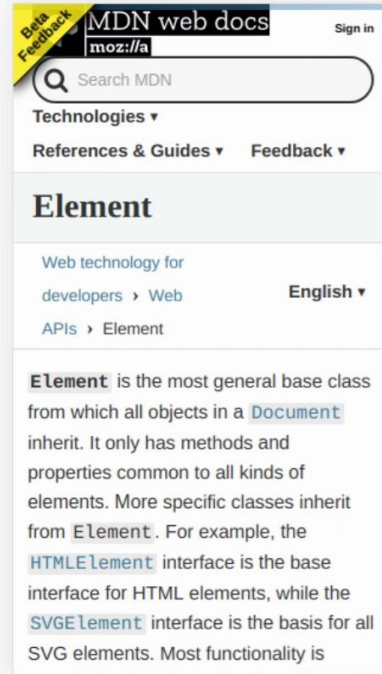
3.1 seconds



("Low-end mobile"
throttle preset)

JavaScript navigation

5.2 seconds



<https://carter.sande.duodecima.technology/javascript-page-navigation/>

Recutils

La BDD low-tech

Recutils

<https://www.gnu.org/software/recutils/>



Fred & George

Recutils

Données lisibles par un humain.

Données modifiables directement par un humain.

Indépendant d'un logiciel quelconque.

Facilement géré par les gestionnaires de version (Git, SVN...)

```
# -*- mode: rec -*-
```

```
%rec: Book
%mandatory: Title
%type: Location enum loaned home unknown
%doc:
+ A book in my personal collection.
```

```
Title: GNU Emacs Manual
Author: Richard M. Stallman
Publisher: FSF
Location: home
```

```
Title: The Colour of Magic
Author: Terry Pratchett
Location: loaned
```

```
Title: Mio Cid
Author: Anonymous
Location: home
```

```
Title: chapters.gnu.org administration guide
Author: Nacho Gonzalez
Author: Jose E. Marchesi
Location: unknown
```

```
Title: Yeelong User Manual
Location: home
```

```
# End of books.rec
```

des questions ou remarques ?

Conclusion ?

Conclusion ?

des choix extrêmes

Conclusion ?

des renoncements extrêmes

Conclusion ?

choisir c'est renoncer

~~faire le bon choix~~

réduire la **fracture numérique**,
améliorer l'**accessibilité**,
respecter la **vie privée**,
soigner l'**expérience utilisateur**,
assurer la **pérennité** des applications,
être en phase avec les **enjeux**
environnementaux,
etc.

%	 Energie	 GES	 Eau	 Ressources ⁽¹⁾
Utilisateurs	64 %	84 %	91 %	79 %
Réseau	21 %	10 %	5 %	15 %
Centres informatiques ⁽²⁾	15 %	6 %	4 %	6 %

Répartition par tiers des impacts du numérique en France en 2020

%	 Energie	 GES	 Eau	 Ressources ⁽¹⁾
Fabrication	41 %	83 %	88 %	100 %
Utilisation	59 %	17 %	12 %	0 %

Répartition en fonction de l'étape du cycle de vie des impacts du numérique en France en 2020

high-tech **slow-tech** low-tech

<https://www.greenit.fr/2022/10/04/sobriete-manifeste-pour-une-slow-tech/>



Merci ❤️

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twitter: `@AntoineCailly`

N'hésitez pas, vraiment

email: `antoine.cailly@zenika.com`

Pause

TP

<https://github.com/acailly/tp-lowtechweb>

