

# What the heck are these webpages up to?

Quinn Norton - @quinnnorton

Raphaël Vinot - @rafi0t



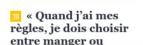


### Des manifestants entrent de force dans le Parlement à Hongkong



Alors que des dizaines de milliers de personnes ont investi les grandes artères de la ville pour marquer le 22e anniversaire de la rétrocession à la Chine, des contestataires ont pénétré dans le siège du Parlement.

• 111 A Hongkong, la désobéissance civile s'installe dans la durée  « Il n'y a rien d'autre à faire, en tant que Hongkongais il faut manifester »



Polémique Marion Maréchal : le

premier faux pas de

Roux de Bézieux, pacificateur du

Medef

ANALYSE



REPORTAGE Arnaud Leparmentier

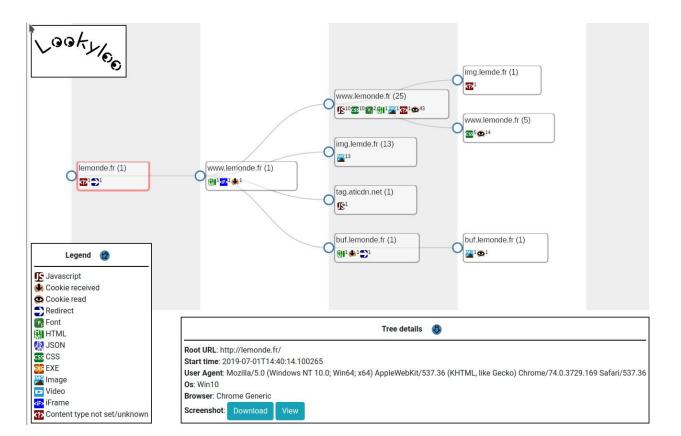
Les camps d'été capitalistes, ou le rêve américain

A Miami, des jeunes âgés de 14 à 17 ans participent à des stages leur permettant d'appréhender le monde des affaires. Ils ont une semaine pour préparer et présenter un business plan.

5 min de lecture

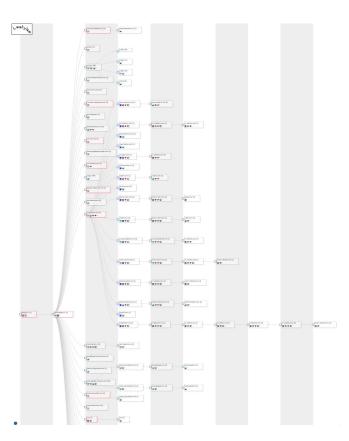
S'abonner c'est...

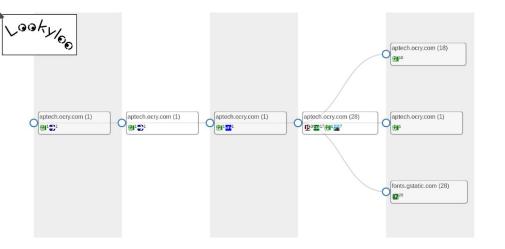
# Simple site

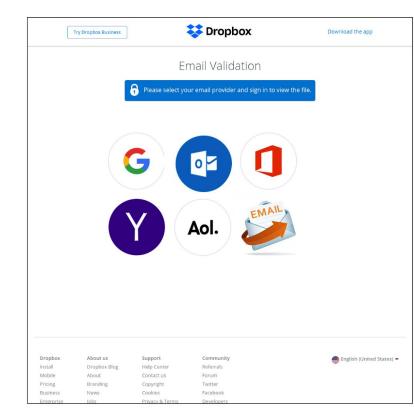




# Not so simple







0	Tree details 🛛 🚳
Root URL: https://ap	tech.ocry.com/
Start time: 2019-07-	01T06:59:49.177266
User Agent: Mozilla,	5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/63.0.3239.132 Safari/537.36
Screenshot: Down	oad Hide



# What makes sites complicated?

# What makes sites complicated? ... and how do we capture that?

## Under the hood





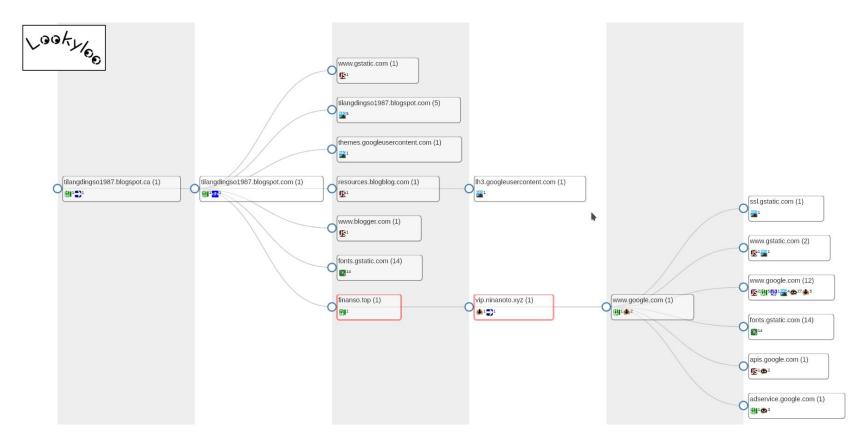


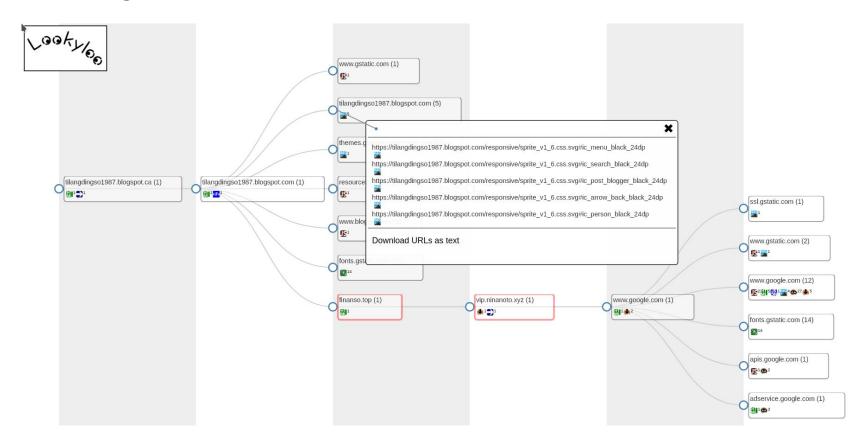




URL:	URL to scrape	
Link Depth:	1 .	
Display on main page		
Browser Configuration		
Operating System:	Win10	•
Browser Type:	Chrome Generic	•
User Agent:	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/74.0.3729.169 Safari/537.36	

Start looking!



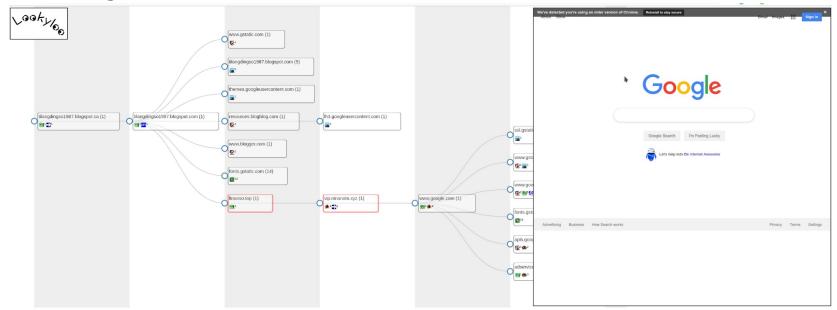






Legend 🔞

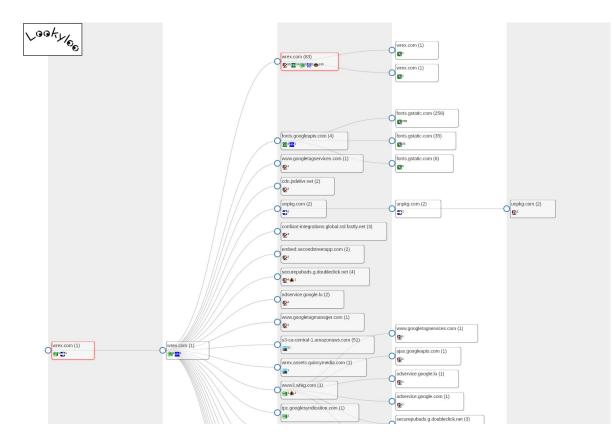
Conkie received
Cookie read
Cookie read
Cookie read
Font
Font
Font
Font
Font
Conkie read
Tool
Conkie read
Conkie read
Conkie read
Conkie read
Conkie read
Conkie read





# Weird shit we've found

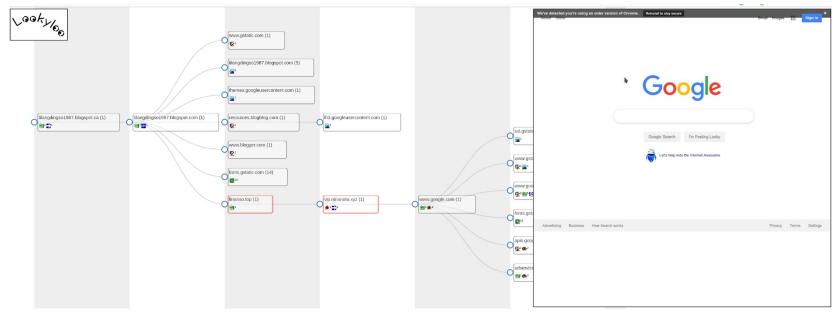
# Sneaky mixed TLS content (defeats browser warning)



# **HTTP Meta redirect**

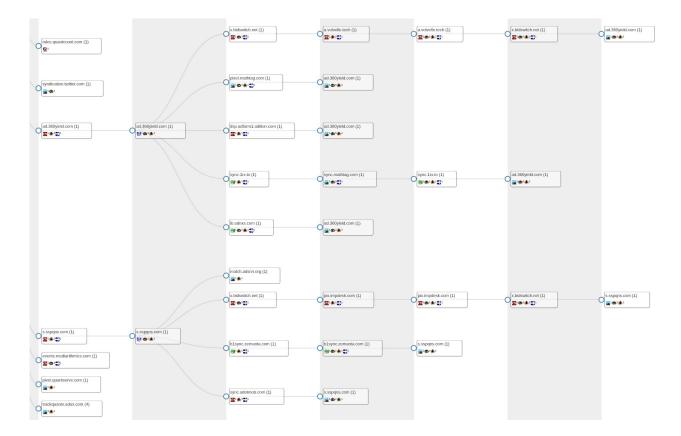
Legend 🔞

Conkie received
Cookie read
Cookie read
Cookie read
Font
Font
Font
Font
Font
Conkie read
Tool
Conkie read
Conkie read
Conkie read
Conkie read
Conkie read
Conkie read





## Ad tech and widgets



# **GDPR** Violations (hilarious)

① Not secure | fortune.com/2018/08/09/news-sites-blocked-gdpr/

🗞 🐫 🕷 🍊 📀 🛛

\$

#### FORTUNE

#### About Your Privacy on this Site

Welcome! To bring you the best content on our sites and applications, Meredith partners with third party advertisers to serve digital ads, including personalized digital ads. Those advertisers use tracking technologies to collect information about your activity on our sites and applications and across the Internet and your other apps and devices.

You always have the choice to experience our sites without personalized advertising based on your web browsing activity by visiting the <u>DAA's Consumer Choice page</u>, the <u>NAI's website</u>, and/or the <u>EU online choices page</u>, from each of your browsers or devices. To avoid personalized advertising based on your mobile app activity, you can install the <u>DAA's AppChoices app here</u>. You can find much more information about your privacy choices in <u>our privacy policy</u>. See Per if you choose not to have your activity tracked by third parties for advertising services, you will still see non-personalized ads on our site.

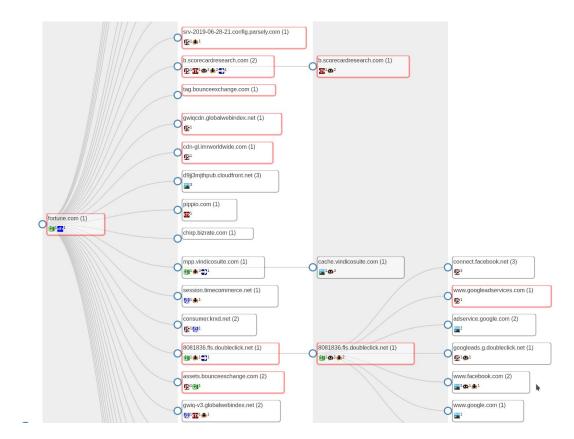
By clicking continue below and using our sites or applications, you agree that we and our third party advertisers can:

- · transfer your personal data to the United States or other countries, and
- process your personal data to serve you with personalized ads, subject to your choices as described above and in our privacy policy.

#### EU Data Subject Requests

CONTINUE

# **GDPR** Violations (hilarious)



# Future



URL:	
Link Depth:	
Display on main page	
Browser Configuration	
Operating System : sfd	
Browser Type : sfd	
User Agent : sfd	0

Create Domain Whitelist

Resolve IPs (Useful for Virus Total, Whois, Required for BGP Ranking)

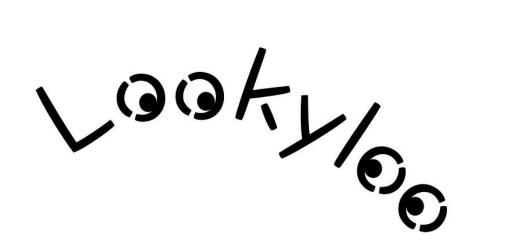
Virus Total

- Google Safe Browsing
- Phishtank
- EU Phishing initiative
- uBlock Filter List
- Whois data
- Passive DNS/SSL
- BGP Ranking
  - □ Select All Services (will be slow)

Start Looking!

# Moar future

- Passing a cookie
- Whitelist (internal / expected domains)
- Searching inside of trees
- Comparing trees
- Node inspector
- Highlighting meta redirects
- ... aaaand?



- <u>https://lookyloo.circl.lu</u>
- <u>https://github.com/CIRCL/lookyloo</u>
- Contact:
  - Quinn Norton <u>quinn@quinnnorton.com</u>
  - Raphaël Vinot <u>raphael.vinot@circl.lu</u>