



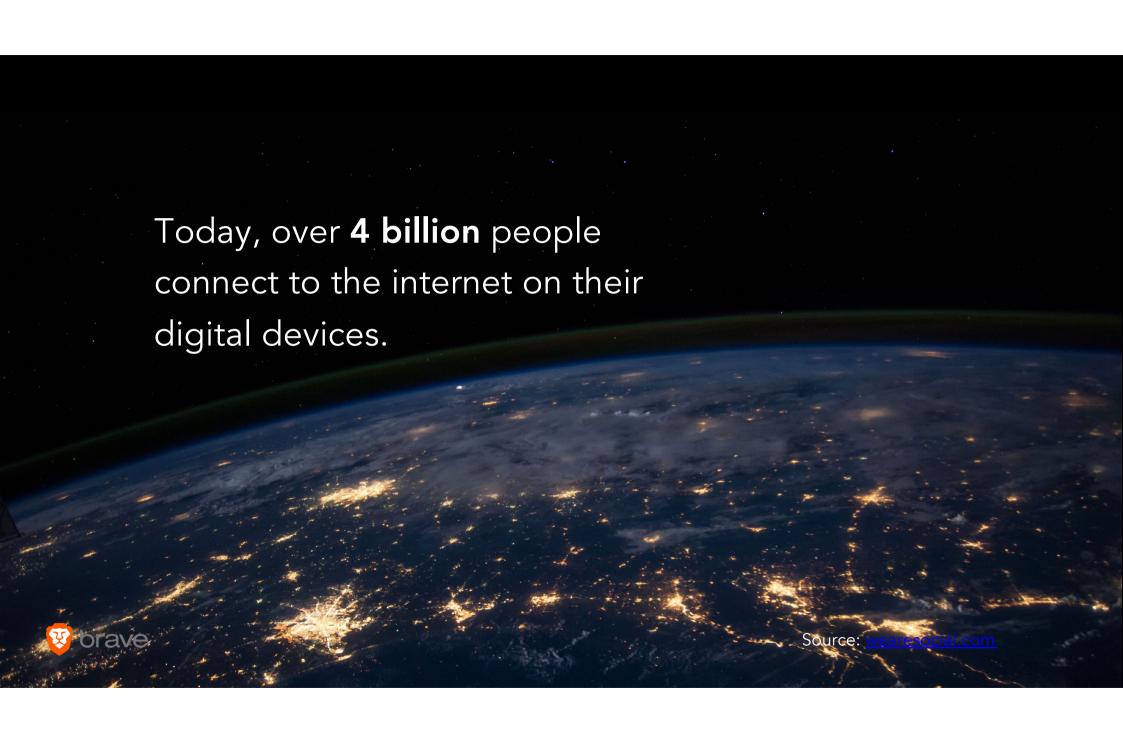
Brave Ad platform

Private by Design

Panagiotis (Panos) Papadopoulos Security Researcher

©2019 Brave Software International All Rights Reserved.

This document is confidential and should not be shared or distributed without written permission from Brave Software.







30 million dollars in digital advertising transactions will

Source: emarketer.com



Nearly ALL of this digital advertising ecosystem is controlled by only 50 companic

LiveRamp

CIRCULATE

PEER39

Data Sup

experian.

Tag Man ensighten

*****TEALIUM

Measurement

and Analytics

marketer

CERTONA AU

(i) richrelevance

Retargeting

dotomi, criteol. Magne+IC AdRoll @ Tellapart

STEELHOUSE () myThings imedia FORGE

TRIGGIT Sectiomantic

trueffect

Two of these companies control 80% of the market

(the other 1000 companies pick up the scraps)



Publishers ad revenue has dramatically declined as tech giants take 96% of every new digital ad dollar.



Users Are Actually Paying for Ads And paying a high price in slowness, battery life, data, safety

Slow 5

Invasive 1 24

\$23

Insecure

I / O /

seconds per mobile page load wasted by Adtech trackers on media sites like TMZ

monthly average users pay to download ads and trackers

growth of Malvertising in 2017

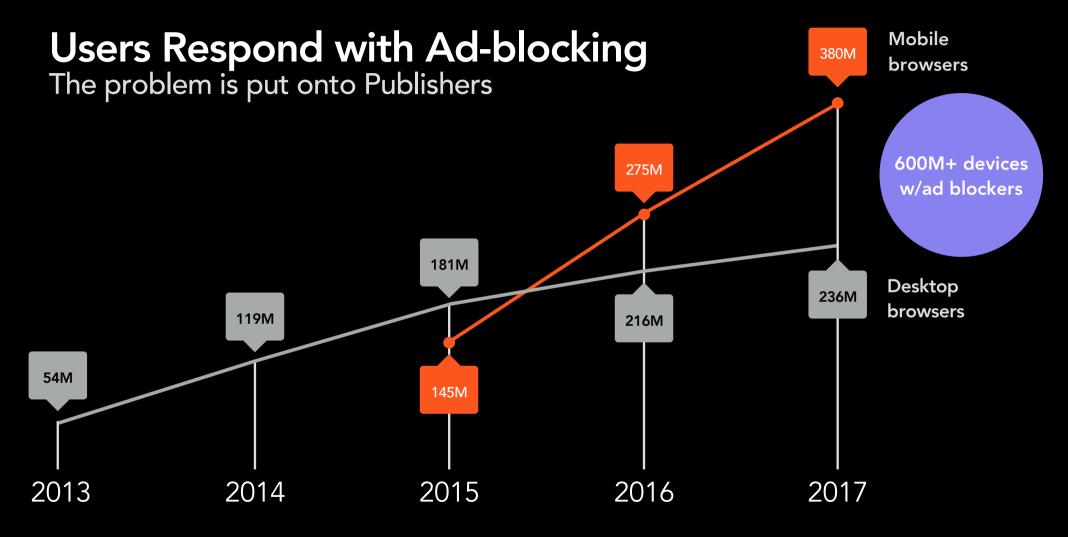


Is it at least effective?

Region	Overall Click-through Rate
Percent (%) North America	
Canada 0.09%	
United States	0.09%
United States	0.10% EMEA
Austria	0.11%
Belgium	0.13%
Denmark	0.12%
Finland	0.05%
France	0.12%
Germany	0.11%
Greece	0.17%
Ireland	0.10%
Italy	0.10%
Luxembourg	0.09%
Netherlands	0.14%
Norway	0.11%
Spain	0.12%
Sweden	0.08%
Switzerland	0.12%
United Arab	0.18%
Emirates	
United Kingdom	0.07%
JAPAC	
Australia	0.07%
China	0.12%
Hong Kong	0.17%
India	0.18%
Malaysia	0.30%
Singapore	0.19%



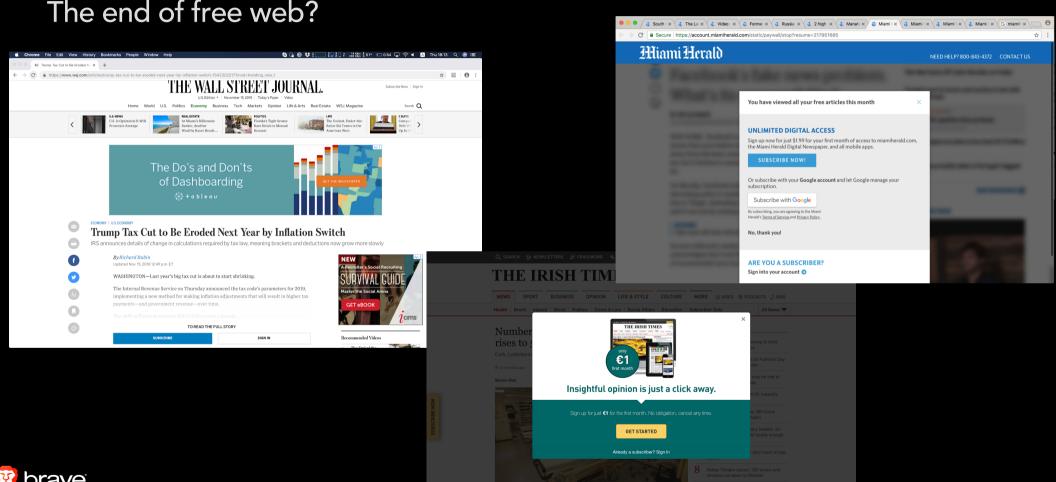
Source: DoubleClick for Advertisers, a cross section of region





Data source: Pagefair

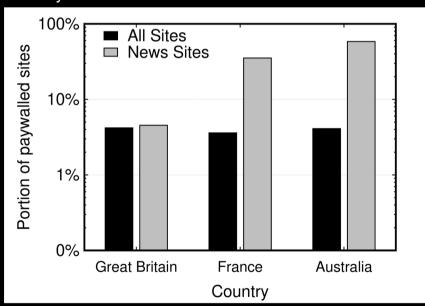
Publishers Respond with Paywalls (1/2)
The end of free web?



Publishers Respond with Paywalls (2/2)

Prevalence of Paywalls

Paywalled sites in Alexa Global 1K: 7.6% 33.4% Paywalled sites in Alexa News 1K:



News sites in Great Britain follow the overall paywall adoption rate

In France and Australia the adoption of paywalls is far higher in News sites with 35.29 and 58.33% respectively.

Read more:

Panagiotis Papadopoulos, Peter Snyder, Benjamin Livshits,

Another Brick in the Paywall: The Popularity and Privacy Implications of Paywalls

Our Vision Brave + BAT For a Better Web







Our Vision Brave + BAT For a Better Web



A Faster, Private Browser that Rewards Users



The First Global Private
Ad Platform

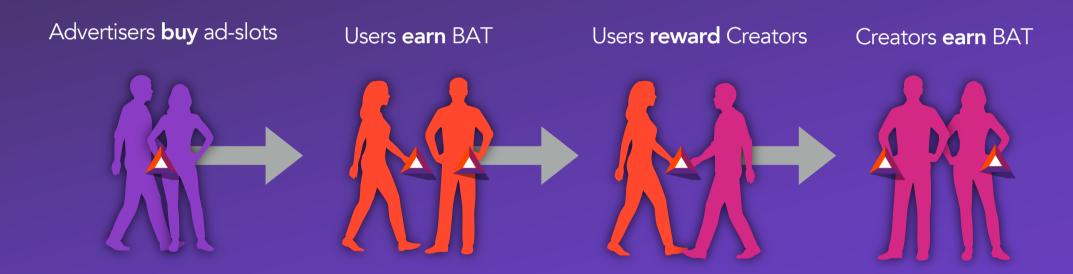


Normalizing Crypto into One-Click eCommerce



Everyone Benefits from a BAT Powered Experience







Brave Ads First Global Private Ad Platform



Brave Ads Decentralized Ad Matching



A new approach to ad delivery:

- Match ads directly on the user's device
- Use local browsing/search data for ad selection
- Let users control ad frequency and scheduling



Brave Ads Private By Design



- Local ad matching: the user's data stays on device
- Local attention and engagement measurements
- Zero Knowledge Proofs: report campaign delivery; protect user privacy
- Brave shields protect the user from illicit data collection



Brave Ads Reduce Fraud



- Lower Volume: Users see a max of 20 ads per day
- Fewer entry points: Brave Shields reduce fraudulent traffic and malvertising
- Anti-Fraud: Brave has built antifraud defenses
- CAPTCHA, KYC/AML: Required from users to claim rewards and convert BAT to fiat



The Brave Way to Deliver Ads

