



Pay the Web Forward with Web Monetization

Peter-Paul Koch

Smashing New York, 9 October 2024



iOS		iOS WebView		And. 4	AWK Web View	Chromium										Chromium WebView					UC 10	Black Berry 10	Dol phin	Opera Mini		IE 11	Edge 13	Firefox
8	9	8	9			LG	Cy	HTC	S34	Ub	MM	S44	Xia	Op	Go	30	33	39	45	51				11	17			

[background-attachment: fixed](#)

The background image does not scroll; the element serves as a “window” on the background image.

static	no-scroll	no	no	static	no										no					no-scroll	no	static	buggy	static	buggy	yes
--------	-----------	----	----	--------	----	--	--	--	--	--	--	--	--	--	----	--	--	--	--	-----------	----	--------	-------	--------	-------	-----

Static

Background image is correctly positioned on page load, but does not change on scrolling.

No-scroll

Works, but you can't scroll the element.

- The Samsung Android 4 CRASHES on my test page. No data.
- Edge uses a kind-of parallax scrolling that's off.

[background-attachment: local](#)

The background image scrolls with the element (and not the document).

[External test](#) that disagrees with mine

incomplete	no	no	buggy				no	buggy	no	incomplete	no	untestable	yes
------------	----	----	-------	--	--	--	----	-------	----	------------	----	------------	-----

Untestable

Browser does not support scrollable elements.

Incomplete

Not supported when you also use `-webkit-overflow-scrolling: touch`.

- The Samsung Android 4 CRASHES on my test page. No data.
- The Chromia need a `border-radius` on the element. This is [obviously a bug](#).

[background-clip](#)

States whether the background cov-

yes	yes	yes										yes	yes				
-----	-----	-----	--	--	--	--	--	--	--	--	--	-----	-----	--	--	--	--



1

Why?



Why should
websites be
free?



“If you use my articles to cut down
your web dev time you are in a B-to-B
relationship with me”

- Paul Bakaus

GROWTH

m-

mr

C

+/-

%

÷

e^x

10^x

7

8

9

x

ln

log

GOOD WITH

+/-

%

÷

五 只 脚 的 打 球

adactio.com/journal/21098

Our web

May 2nd, 2024

Gregory Bennett chronicles the enshittification of everything online in his piece [Heat Death of the Internet](#). It makes for grim reading.

There's a note of hope at the end. It's the same note of hope that Charles Diggles amplifies in his great piece [Viva la Library!](#)

Humane by Design

NEWSLETTER

We can have a different web

Many years for the "good old days" of the web. We could have those good old days back — or something even better — and if anything, it would be easier now than it ever was.

Molly White
May 1, 2024 — 11 min read

We can have a different web

humanewebmanifesto.com

Manifesto References Further reading

Manifesto for a Humane Web

pluralistic.net/2024/05/07/teacherous-comp...

Doctorow

No trackers, no ads. Black type, white background. Privacy policy: we don't collect or retain any data at all ever period.

MENU

Pluralistic: The disenshittified internet starts with loyal "user agents" (07 May 2024)



1000

100

FEDERAL RESERVE NOTE

LC41886083A

C3



Timothy F. Geithner
Secretary of the Treasury

Lawrence H. White
Treasurer of the United States

1000

FRANKLIN

ONE HUNDRED
DOLLARS

JULY 4,

50

GRANT

20

JACKSON

10

HAMILTON
LINCOLN

5

2

1



THOU SHALT PAY

or else





?

How?



How do we
pay for things
online?



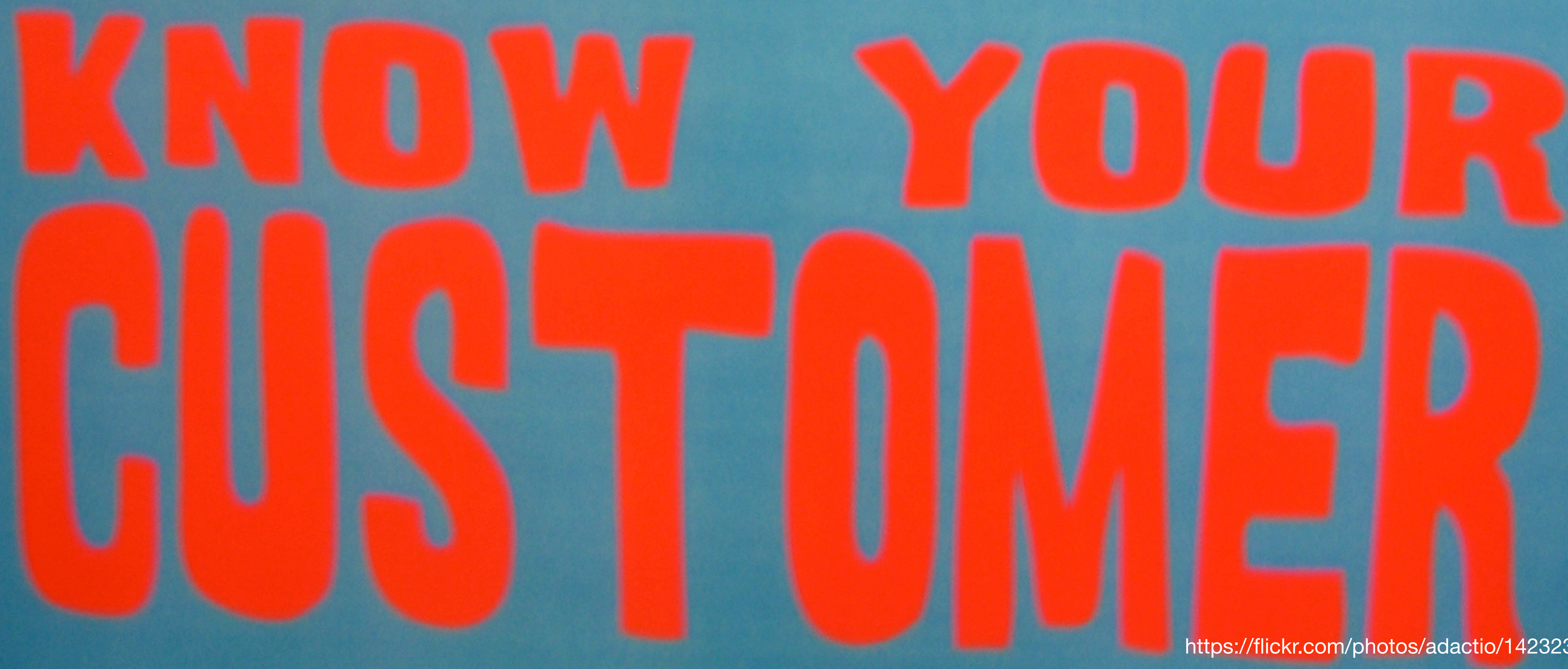


REGULATIONS

REGULATIONS







**KNOW YOUR
CUSTOMER**





**PAY
HERE**







3

What?



**What do we
want?**

**LIMOSNA
PENITENCIAL**



SERKISOP
GARANTI

11 JEWELS

EUROPA

2 JEWELS



Web Monetization





Web Monetization

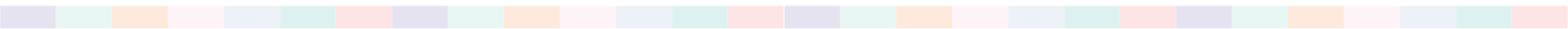
→ A wallet

→ An extension

→ A rate

✓ Easy!

✓ Easy!





Open a bank account



Enter

sign up now for more privileges

In my view any method or property conc... work on the style attribute, event han... judge the method or property incomplet

Contents of this table

Method or property	Internet Explorer					
	5.5	6	7	8	9	10

attributes[index]

An array with the attributes of a node, accessed by index number, in the order they're defined in the source code.

[Test page](#)

Do not use
Use `getAttribute()` instead

incorrect

`x.attributes[1]`

This array consists of all defined attribut

- Firefox and IE try to create a list in
- IE 5.5 initially gives the value of the

attributes[key]

An array with the attributes of a node, accessed by attribute name

[Test page](#)

incorrect **incomplete** **almost**

`x.attributes['align']`

Get the align attribute object of node x. (that has no value.)

- IE7 and lower don't return the value

Web Monetization

Public key

Get a wallet address from a provider before connecting it below. Please find a list of available wallets [here](#).

Copy the public key below and paste it into your wallet.

eyJrdHkiOiJPS1AiLCJjcnYiOiJFZDI1NTE5IiwieCI6Ij...

Wallet address or payment pointer

Amount

Enter the amount to use from your wallet.

\$ 10.00

Renew amount monthly

Connect

page contents

Chrome		
29 Win	29 Mac	29 Linux

yes

yes

returns an attribute object

```
<link
  rel="monetization"
  href="https://wallet.example/ppk"
>
```



A few Chromium engineers support the project, and we are building the Web Monetization Agent into Chrome together, behind a flag.

What is a Web Monetization Agent?

1. Finds `<link>`
2. Orders payments
3. Fires monetization events

```
link.addEventListener(  
  'monetization',  
  function(e) {  
  
  }  
);
```



```
link.addEventListener(  
  'monetization',  
  function(e) {  
    // e.amountSent.value  
    // e.amountSent.currency  
  }  
);
```

```
link.addEventListener(  
  'monetization',  
  function(e) {  
    if (e.amountSent.value > 0) {  
      // remove ads  
    }  
  }  
);
```







Streaming vs post-paid

Streaming

- Only online
- ✓ → No need to retain payment data
- ✓ → Site owner is paid immediately
- Many requests

Post-paid

- ✓ → Offline and online
- Payment data retained
- Site owner promised to be paid “later”
- ✓ → Few requests

Which model is best? We don't know. So we're letting you pick one.



Web Monetization



Coming to a browser
near you



Questions?
webmonetization.org/



Web Monetization