

Where will your website be in 20 years?

How to save WordPress websites
for long periods of time

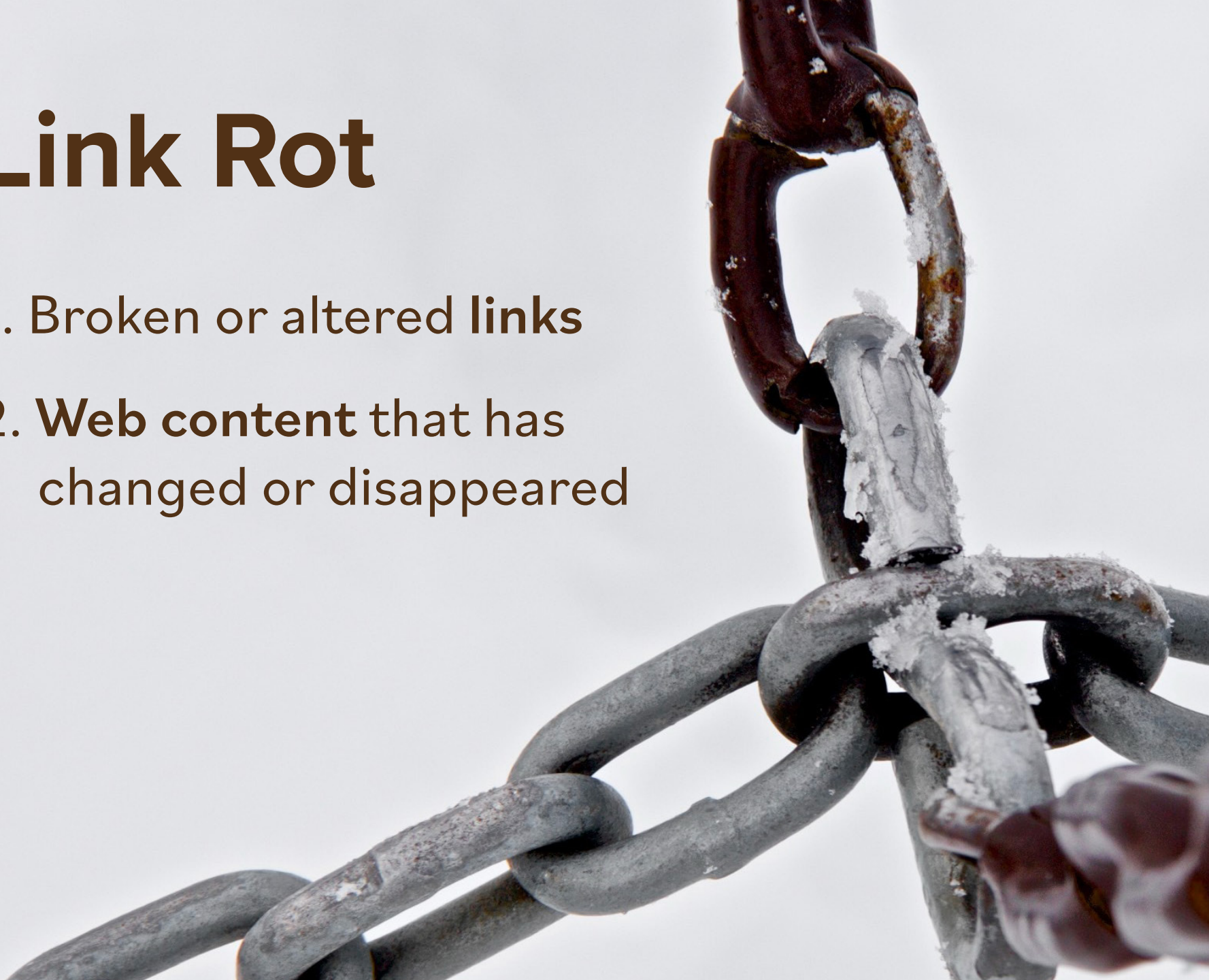
JACOB BUURMA



vibrantcontent.ca/wordcamp

Link Rot

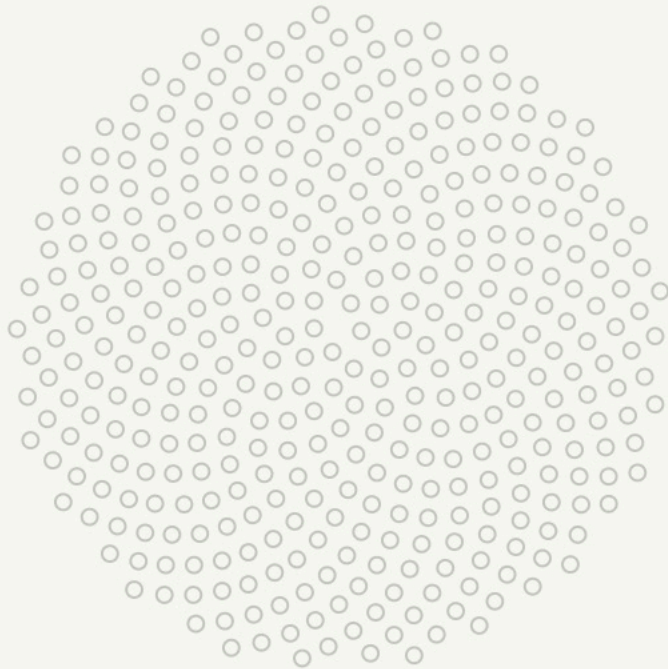
1. Broken or altered links
2. Web content that has changed or disappeared



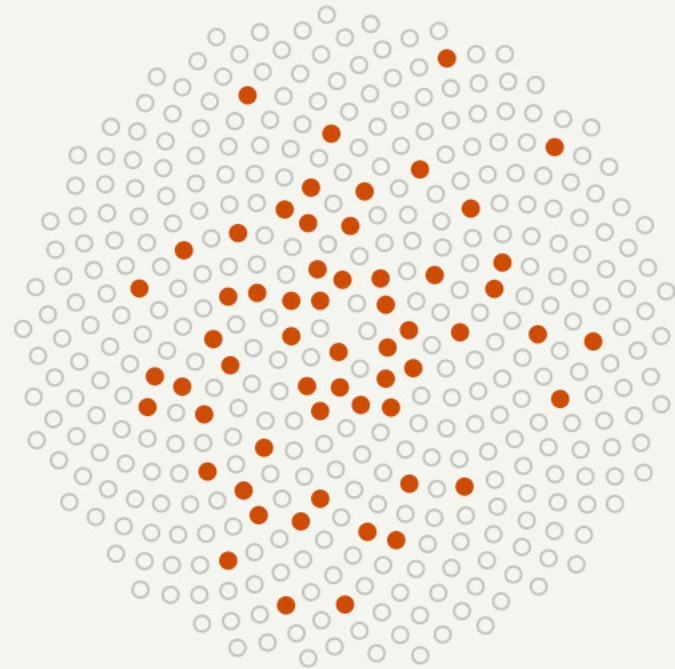
Always on the move



Link Rot Spread



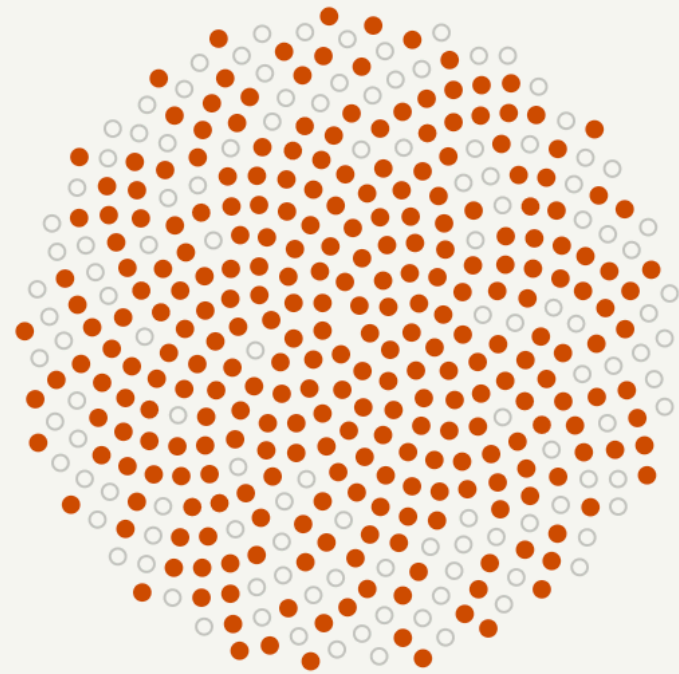
Links start healthy. New citations have been vetted and verified.



After one year. After a year, over 20% of cited links may be dead or otherwise inaccessible.



After five years. After five years, the situation is much worse — over 50% of cited links can be affected.



As time goes on. Link rot is inevitable and rarely reversible. The longer the wait, the more likely a link will have rotted.

Link Rot Stats

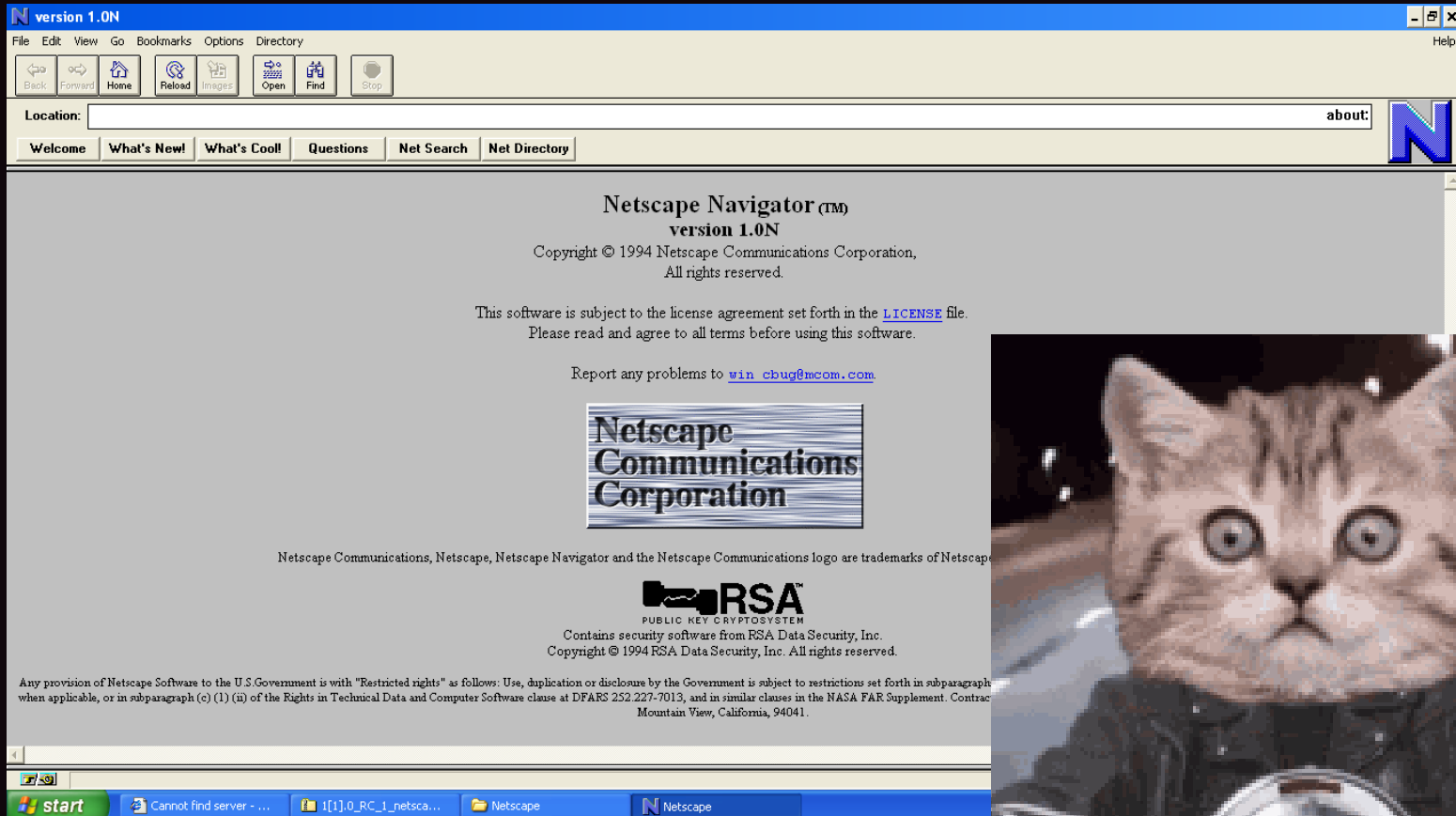
20% of all science and medicine articles

50% of cited links in US Supreme Court opinions

70% of cited links in legal journals

98% of all content on the internet
has disappeared in 20 years

Good Riddance





WORDPRESS



Life cycle of a research website

The Ideological Conflict Project (ICP) seeks to advance understanding of how beliefs, ideas and emotions influence behaviour during conflicts. Using methods drawn from the field of complexity theory, we confront the questions of why people believe what they believe, how their beliefs change, why beliefs are so often resistant to change, and how beliefs motivate violent conflict.

[Learn More](#)

STOP THE

404

DETECT 404s

Redirection plugin

All In One SEO (AIOSEO) plugin

Yoast SEO premium plugin

FIX 404s

Server redirects

But what
about
external
404s?



Create a new Perma Link

Enter any URL to preserve it forever.

Paste your URL here.

Create Perma Link

or [create multiple links](#)

You have **9** remaining Perma Links.

[View your subscription details](#) or [get more Perma Links](#)

To make Perma links more quickly, try our [browser tools](#). ✕

Link Batch History ▾

Folders + ✎ 🗑

Personal Links

Your Perma Links



Search



Ideological Conflict Project - Cascade Institute

<https://cascadeinstitute.org/resources/ideological-conflict-project/>

Delete

perma.cc/KF5H-Q9JY

Created September 18, 2023

ARCHIVE FOREVER

Archive any webpage or image, forever.

URL



ARCHIVE



Include screenshot?

But what
about
*whole
websites?*



OPTIONS

Wayback Machine

The screenshot shows the Wayback Machine homepage. At the top, the browser address bar displays 'web.archive.org'. The navigation bar includes the Internet Archive logo, utility icons, and links for 'SIGN UP | LOG IN | UPLOAD'. A search bar is located on the right. Below the navigation bar, a dark menu contains links for 'ABOUT', 'BLOG', 'PROJECTS', 'HELP', 'DONATE', 'CONTACT', 'JOBS', 'VOLUNTEER', and 'PEOPLE'. The main content area features the 'INTERNET ARCHIVE WayBack Machine' logo, a 'DONATE' button, and the text 'Explore more than 840 billion web pages saved over time'. A search input field is present with the placeholder text 'Enter a URL or words related to a site's home page'. Below this, a row of ten thumbnail images shows various archived web pages. At the bottom, four service sections are displayed: 'Tools' with a gear icon and a link to 'Wayback Machine Availability API'; 'Subscription Service' with the 'ARCHIVE-IT' logo and a description of the service; 'Collection Search' with a magnifying glass icon and an input field for keywords; and 'Save Page Now' with a document icon and an input field for a URL.

web.archive.org

INTERNET ARCHIVE

SIGN UP | LOG IN | UPLOAD

Search

ABOUT BLOG PROJECTS HELP DONATE CONTACT JOBS VOLUNTEER PEOPLE

INTERNET ARCHIVE

WayBack Machine

Explore more than 840 billion [web pages](#) saved over time

Enter a URL or words related to a site's home page

Tools

Wayback Machine Availability API

Subscription Service

Archive-It enables you to capture, manage and search collections of digital

Collection Search

Enter any keyword

Save Page Now

https://



WordPress.com

WordPress.com Launches 100-Year Domain and Hosting Plan for \$38K



Anil Thaakran

Head of Evangelism | Sales | Marketing | WordPress | White Label
WordPress | Relationship Builder | Cricketer | Footballer

12 articles

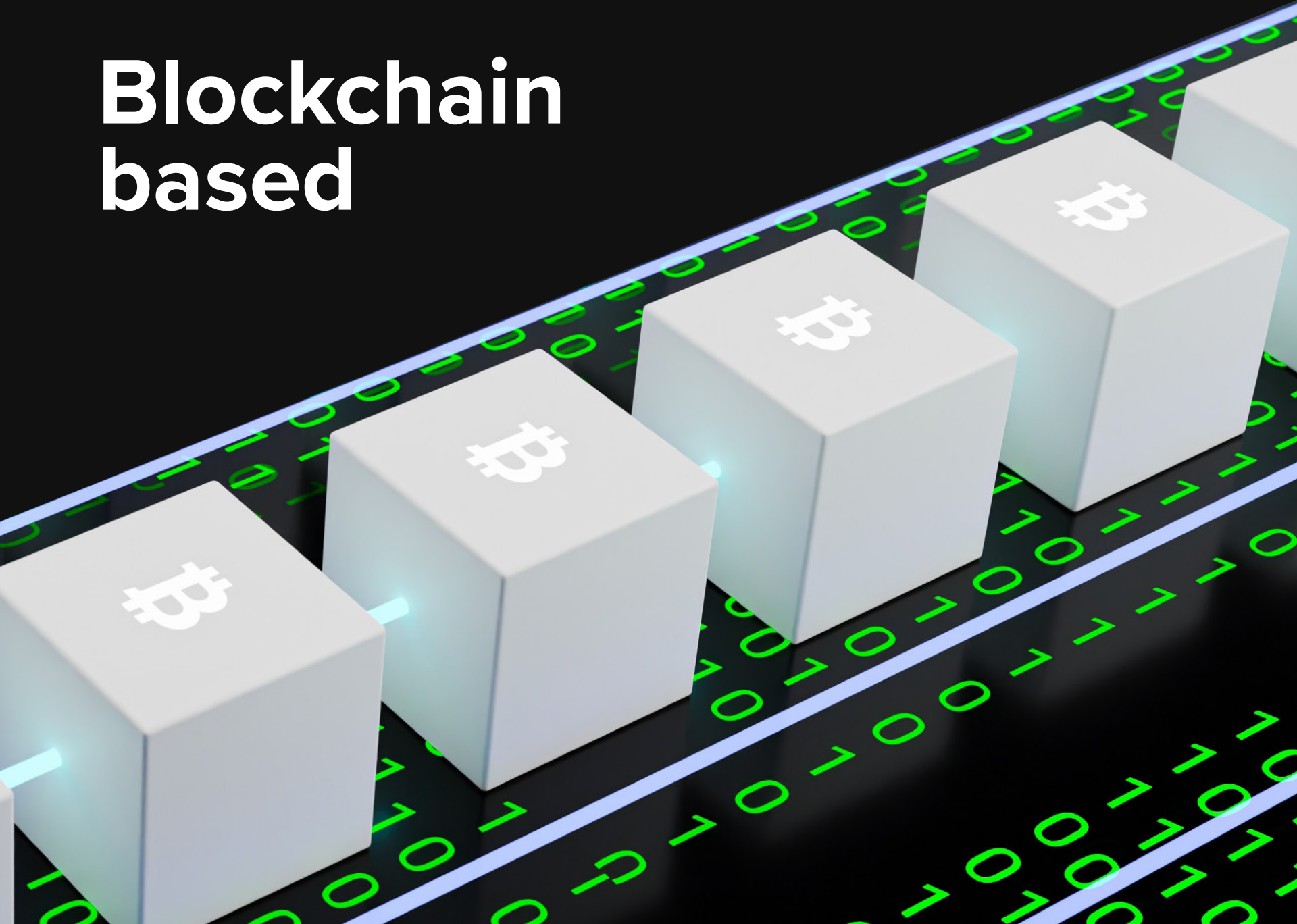
[+ Follow](#)

September 4, 2023



arweave

Blockchain based





Blockweave



Each file has ~800 replicas globally

File integrity checked every 15 seconds

Extremely hard to delete

Pay once, store 200+ years



Endowment

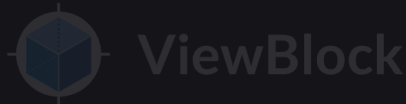


Weave Size

136.25 TiB

Wednesday, Sep 20 2023

GROWTH





USE CASES

Developers

Popular in China

Digital Scrapbooking

Businesses



Deep Dive: Sam Williams



OBJECTIONS

Dependent on AR Token

Betamax syndrome

Data permanence v Permanent access

Emerging competitors

lighthouse.storage forever.com

Helpful to deter
link rot and

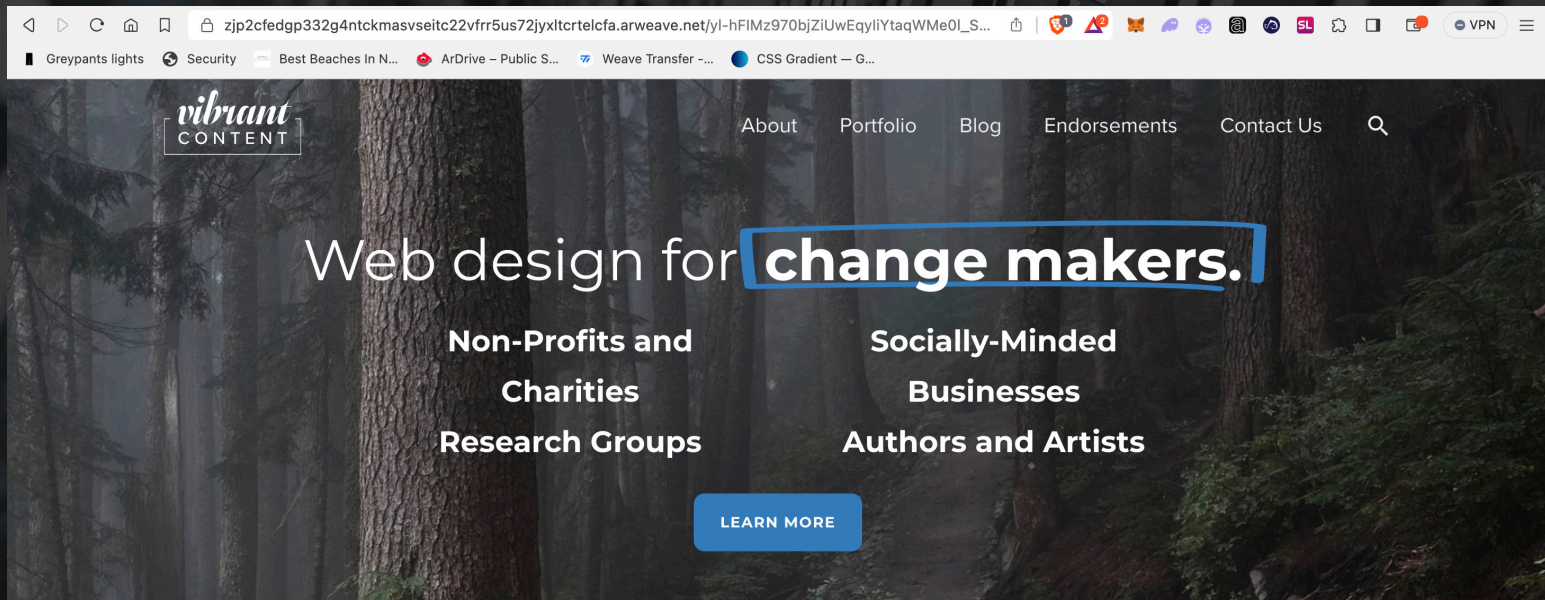
404





10 STEPS
TO PERMANENCE

DEMO PERMASITE



vibrantcontent.ca → tiny.cc/vibrantcontent

200 years of storage for \$0.24

WHAT ARWEAVE TOOL?

DRAGONDEPLOY

ARCHIVE FOREVER



ardrive

Akord

1. BUILD STATIC SITE



Simply Static
WordPress plugin
simplystatic.co



Offline Pages Pro
Mac App
codiumlabs.com

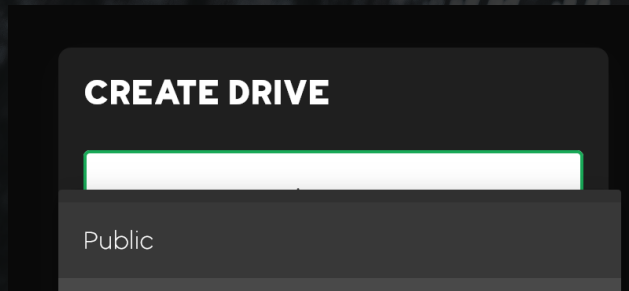
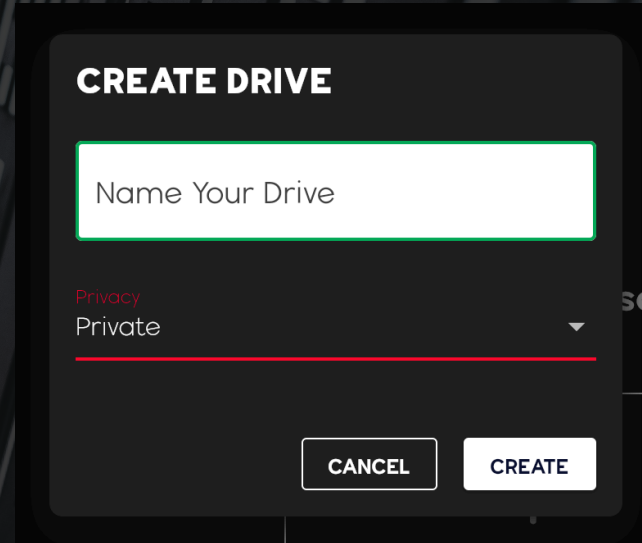
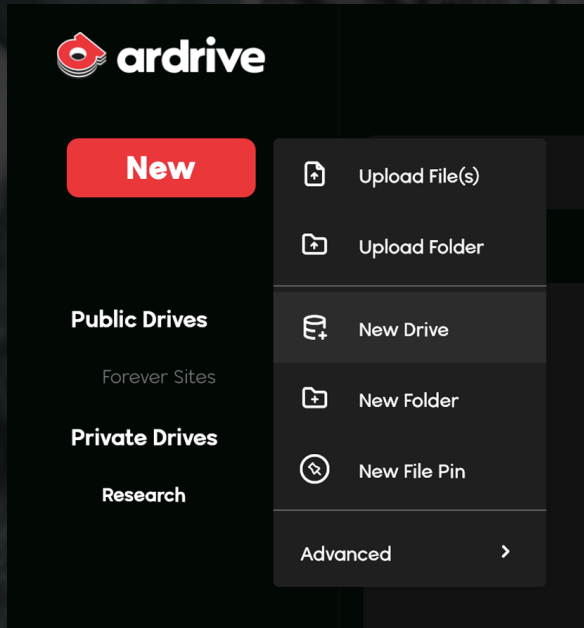
2. CREATE ACCOUNT



app.ardrive.io

Click “New User” on the login page

3. CREATE DRIVE



Make Drive Public

4. TOP UP

turbo ×

Balance	Estimated Storage
1.7313 Credits	3.67 GB

Buy Credits

Credits will be automatically added to your Turbo balance, and you can start using them right away.

Amount

Custom Amount (min \$5 - max \$10,000)

\$ 0 = 0.0000 Credits ~ 0.00 GB

How are conversions determined? [↗](#)

Currency: USD
Units: GB

Pay once,
store forever

1 GB = \$3 CDN

Files under 500 KB are free

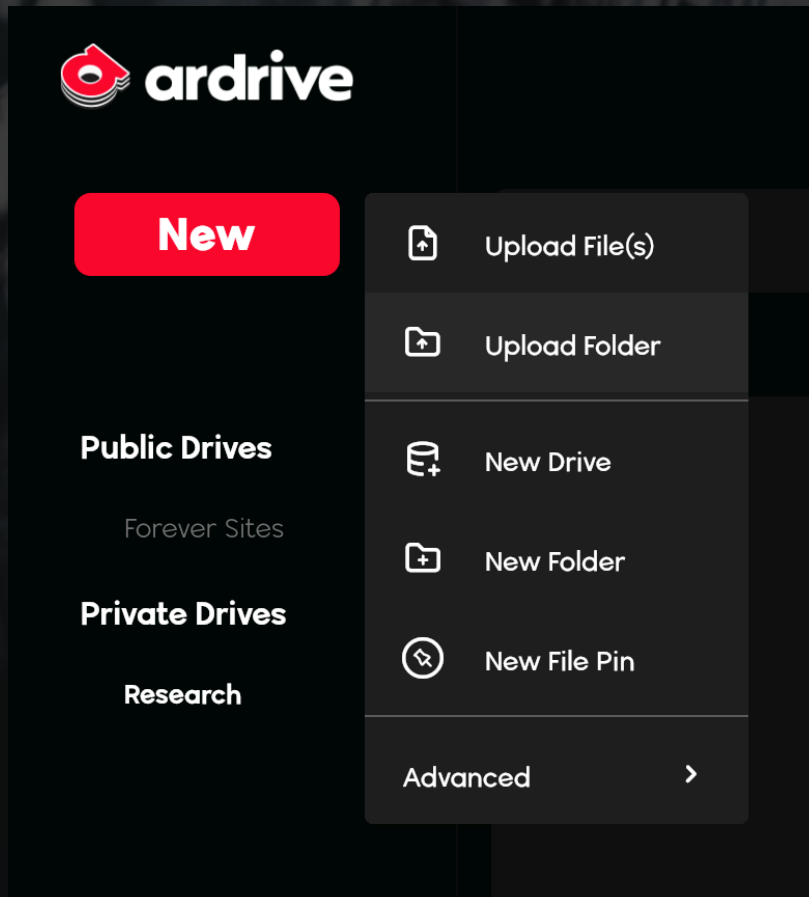
vibrantcontent.ca

71 MB

.03 Credits

\$0.24 CDN

5. UPLOAD STATIC FILES



file: index.html

folder: images,
fonts, css, js

push button and wait
for signal opposite

6. **WAIT**



7. CREATE MANIFEST

The screenshot shows the Ardrive web interface. On the left, a sidebar contains the Ardrive logo, a 'New' button, and sections for 'Public Drives', 'Forever Sites', 'Private Drives', and 'Research'. A 'New' menu is open, listing options: 'Upload File(s)', 'Upload Folder', 'New Drive', 'New Folder', 'New File Pin', 'Advanced', 'Attach Drive', 'New Manifest', and 'New Snapshot'. The 'New Manifest' option is highlighted. On the right, a 'CREATE MANIFEST' dialog box is displayed. It shows the name 'Permasite' and size '68.58 KiB'. Below this, it states 'Cost: 0 AR' and 'This small transaction is free thanks to Turbo.' A warning message reads: 'Files uploaded here will be permanently viewable by anyone on the internet. Make sure you intend on making this data public.' At the bottom of the dialog are 'CANCEL' and 'CONFIRM' buttons.

put in same place as index.html

push button and wait
for signal opposite

8. **WAIT**



Permasite



Permasite

9. PREVIEW MANIFEST

Forever Sites / Vibrant Content - OPP2

<input type="checkbox"/>	Name	Size	Last updated	Date created	
<input type="checkbox"/>	Content	-	Sep 19, 2023	Sep 19, 2023	⋮
<input type="checkbox"/>	index.html	307 B	Sep 19, 2023	Sep 19, 2023	⋮
<input type="checkbox"/>	permasite	56.39 KIB	Sep 19, 2023	Sep 19, 2023	⋮

permasite

Preview

DETAILS

ACTIVITY

File ID

Size 56.39 KIB

Last updated Sep 19, 2023

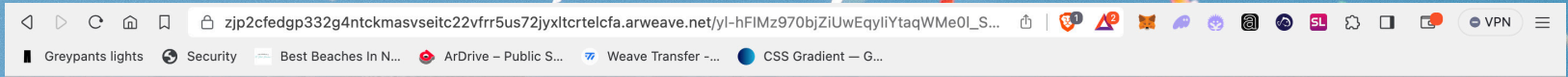
Date created Sep 19, 2023


File type application/x.arweave-manifest+json

Metadata Tx ID

Data Tx ID

HUZZAH



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Web design for **change makers.**

Non-Profits and
Charities
Research Groups

Socially-Minded
Businesses
Authors and Artists

LEARN MORE

Vibrant Content creates modern websites that help change-making organizations fulfill their mission and expand their reach.

https://zjp2cfedgp332g4ntckmasvseitc22vfrr5us72jyxltrtelcfa.arweave.net/yl-hFIMz970bjZiUwEqyliYtaqWMe0L_ScXXMUZkWlo/Content/vibrantcontent.ca.html

HEADS UP

NO Delete Button

No Password Reset

Not your keys, not your files

Static Sites only

Non-English URLs problematic

Permanence takes patience



APPLICATIONS

Goodbye Sites

Redirect URL to permasite

Client Thank You

Regular Perma-backups

Developers

Thank you!



vibrantcontent.ca

Q & A

Answers 1km →



vibrantcontent.ca/wordcamp