



Conifer Twilight

Agenda

1. Overview of Conifer's history and Twilight process (Dragan, Rhizome)
2. Demo of the "Tombstone" that will replace Conifer (Mark, Conifer alumn)
3. Introduction to Webrecorder (Camille, Webrecorder)
4. Migration to new tools (Tessa, Webrecorder)
5. Migration quality (Mona, Rhizome)
6. Continuing web archiving (Tessa & Camille, Webrecorder)
7. Audience Q&A 🙋

History

The Webrecorder hosted service was stewarded by Rhizome from 2015 to 2020 with support from the Mellon Foundation. Webrecorder became an autonomous open source organization developing web archiving tools, Rhizome packaged them as the renamed Conifer.

In the meantime, challenges for web archiving changed:

- more complicated web development frameworks appear
 - regular websites increasingly have to protect against bots
 - larger amounts of data are at risk
- Effective web archiving tools need to capture data directly in a browser
- Automation is highly desired by users

Conifer's architecture is not fit for these changes.

The Tombstone

Conifer will be replaced by a “Tombstone” web app in June 2026, it will remain active for as long as Rhizome remains in business.

All existing collections will continue to be available, with the option to migrate to other open source tools and platforms made by Webrecorder.

Some access features cannot be reproduced currently:

- full text search
- legacy remote browsers
- multiple bookmark lists

Migration to New Tools

Options include keeping collections hosted with Rhizome, downloading them for import into a desktop archiving tool or a sophisticated hosted web archiving service, and self-hosting your web archives.

Tombstone Web App Demo

Introduction to Webrecorder

About Webrecorder

Webrecorder builds tools to specializing in a 'user-driven' form of web archiving, where the user is able to direct the archiving process through their browser.

From the beginning, the goal of Webrecorder has been **to build quality open source tools enable 'web archiving for all' to allow anyone with a browser to create their own web archives, and to accurately replay them at a later time.**

The goal of Webrecorder tools is **to provide highly accurate capture and replay** of web sites, working with a variety of existing storage options and services.

ArchiveWeb.page



ReplayWeb.page



Browsertrix



Browsertrix
Crawler



pywb



WEBRECORDER TIMELINE



2014

Ilya Kreymer begins development on Webrecorder.io
The first browser-based interactive web archiving tool, as well as the pywb web archive replay system.



2017

Webrecorder Player is released — Webrecorder's first desktop application.



2020

Webrecorder becomes its own organization, *while original Webrecorder.io becomes Conifer and remains at Rhizome.*



2021

Work begins on **Browsertrix and Browsertrix Crawler**, our next generation crawling systems.



JAN 2024

Browsertrix — our SaaS archiving platform — is released to the general public, opening signups to everyone!!

EOT Crawling Initiative

The End of Term Web Archive captures and saves U.S. Government websites at the end of presidential administrations.

Webrecorder alongside several other organizations supported capturing government websites at the end of the Biden administration.



Webrecorder US Government Web Archive

Webrecorder's efforts to archive US federal government at the end of the Biden administration. Working in collaboration with <https://eotarchive.org/>

govarchive.us

Collections



digital.gov
4,491 pages / 2.13 GB
Guidance for U.S. government websites and social media



Global Change Research Program
87,906 pages / 47.5 GB



FEMA
233,019 pages / 117 GB



Indian Health Service
25,271 pages / 21.7 GB
Archive of ihs.gov



CDC
281,071 pages / 385 GB
Archive of the US Center for Disease Control's website



Climate.Gov + Dashboard
80,551 pages / 102 GB



Press + Mentions

The Washington Post

April 2022

Browsertrix mentioned in the article "[World librarians, archivists rush to save Ukraine's digital history](#)" as a primary web archiving tool in supporting human rights groups.

BLACK
ENTERPRISE

April 2024

Browsertrix mentioned in the article "**Mapping Black California Tracks California's Efforts To Address Racism,**" as the primary web archiving tool in supporting their civil rights initiatives.

LIBRARY
LIBRARY
OF CONGRESS

May 2024

WACZ FILE is recognized as a recommended file format by the Library of Congress

NiemanReports

June 2024

Ilya interviewed and Browsertrix featured in article "Saving the First Draft of History"



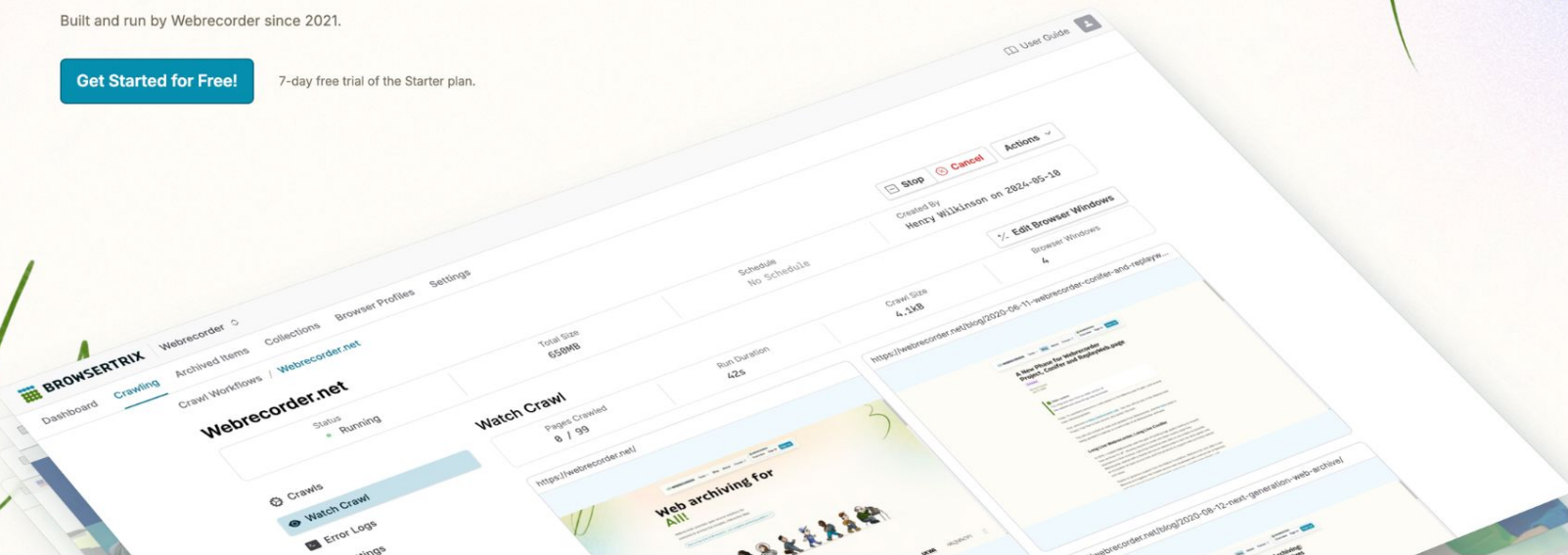
Archive, Curate, and Share the Web.

High-fidelity crawling, innovative quality assurance, and collaborative organization empower you to preserve, curate, and share archived web content with confidence.

Built and run by Webrecorder since 2021.

Get Started for Free!

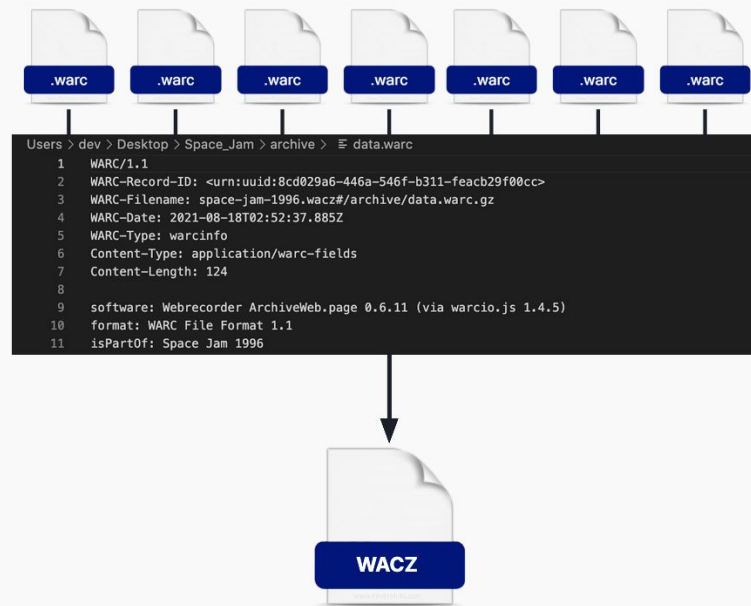
7-day free trial of the Starter plan.



Migration to New Tools



WACZ: Web Archive Collection Zipped



- Openly specified web archive file format developed by Webrecorder
- Makes web archives portable, self-describing, and efficient to replay
- Bundles web archive data (in ISO-standard WARC format) with indexes, metadata, logs, page lists into a single zip file
- Considered a preservation format by many, including Library of Congress and National Library of Norway



ReplayWeb.page

- Application for replaying web archive files (e.g. WARC, WACZ) that runs entirely in the browser
- Try it yourself: <https://replayweb.page>
- Used in Browsertrix for replay of crawls, uploads, and collections
- Can be added as a web component (custom HTML tag) to any web page to embed a web archive directly into that page. See docs: <https://replayweb.page/docs/embedding/>


 This embed is part of a web archive. [Click here to learn more.](#) 




 **Webrecorder**
@webrecorder_io · [Follow](#) 

Want to help us make the best open-source web archiving tools to empower anyone to create, portable high-fidelity web archives?

We are looking for a senior dev to focus on our web crawling tools, including R&D to push the limits of web archiving!

webrecorder.net/jobs

9:55 PM · Sep 2, 2022 

 19  Reply  Share

[Read more on Twitter](#)

Self-Hosting Web Archives

- ReplayWeb.page can also be used in static sites to **self-host web archives** as mirrors of the original site, with an optional banner explaining the site is a web archive
 - Powered by WACZ files stored in Browsertrix or hosted anywhere on the web
 - Blog post explaining the how it works:
<https://webrecorder.net/blog/2025-03-25-govarchive-us-and-mirroring-sites-with-web-archives/>
- **Template:** <https://github.com/webrecorder/web-archive-site-mirror>
 - Web archive-powered static site that can be hosted anywhere
 - Includes step-by-step instructions using free GitHub Pages hosting (some configuration and technical know-how required)

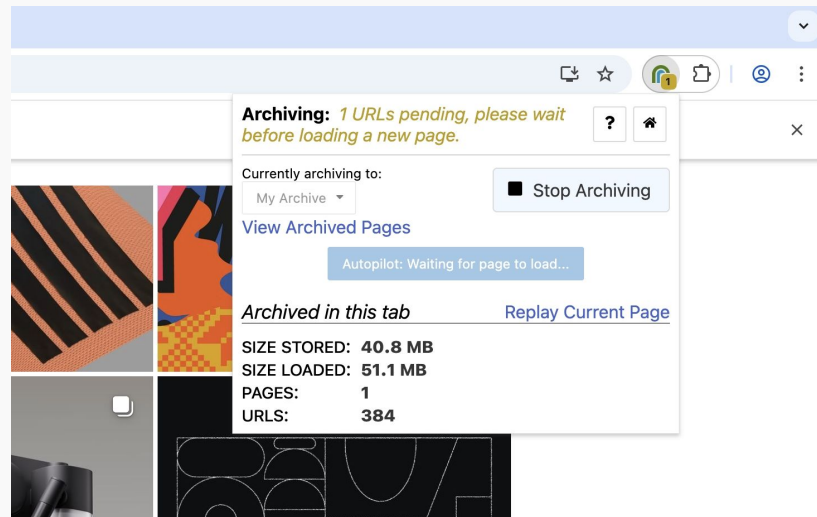
Migration Quality

Continuing Web Archiving

ArchiveWeb.page

- Manually archive web pages as you browse
- Available as a browser extension for Chromium-based browsers (e.g. Chrome, Brave, Edge) and as a standalone desktop app
- Excellent tool for archiving small numbers of pages and highly interactive content (e.g. dashboards, maps)
- Download web archives as WACZ or WARC files or upload WACZ directly to Browsertrix
- Read more and download:

<https://webrecorder.net/archivewebpage/>



Browsertrix

- Create, schedule, manage, curate, share, and publish web archives in a modern UI
- Configure browser profiles to crawl content behind login walls and accept/reject cookies
- View live progress of crawls and dynamically exclude queued pages as the crawler runs
- Curate, share, and publish your web archives in private and public collections
- Check crawl quality with our built-in assistive quality assurance tools
- Use storage space efficiently with crawl deduplication
- Automate page behavior during crawling with built-in and custom behaviors, including included behaviors for social media such as Facebook, Instagram, TikTok, YouTube, and X
- Coming soon: improved rate limit/bot blocking handling, new deduplication options

Workflows / <https://old.webrecorder.net/>

https://old.webrecorder.net/

⏸ Pause ⏹ Stop ✖ Cancel ⌵ Actions

Status ● Running	Last Run Started <1 min ago	Schedule None	Total Size 0B	Last Modified <1 min ago by Tessa
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⚙ Latest Crawl **Active**

Latest Crawl

📄 Download ⌵

☰ Crawls 1

⚙ Settings

Run Duration	Execution Time	Pages Crawled	Size	QA Rating
32s	-- ?	0 of 0	0B	-- ?

👁 Watch 📄 Logs

Running in 4 browser windows

<https://old.webrecorder.net/community>

<https://old.webrecorder.net/contact>

<https://old.webrecorder.net/tools>

<https://old.webrecorder.net/faq>



Back to Crawl QA Overview

Review <https://old.webrecorder.net/>

Finish Review

Webrecorder | Community

Previous Page

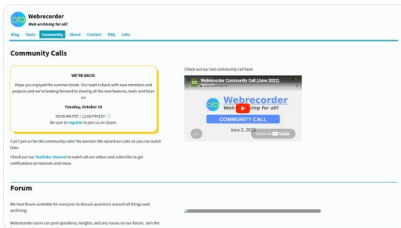


Next Page

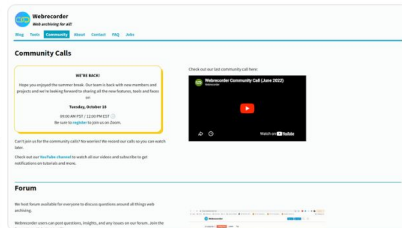
Screenshot 92% Text 100% Resources Replay 2026-05-20, 05:27 p.m.

https://old.webrecorder.net/community 2026-05-20, 05:18 p.m.

Screenshot during crawl



Screenshot during analysis



Pages

Sort by: Worst Screenshot Match

Approval: Any

Showing 40 of 41 pages

92% **Webrecorder | Community**
<https://old.webrecorder.net/community>

- 91.54% Screenshot Match
- 100% Extracted Text Match
- 50/50 Resources Loaded (Crawl)
- 36/43 Resources Loaded (Replay)

92% **Webrecorder | Tools**
<https://old.webrecorder.net/tools>

99% **Webrecorder | Autopilot: Testable Automated ...**
<https://old.webrecorder.net/2021/04/21/autopilot-testa...>

99% **Webrecorder | Showing Provenance on Replay...**
<https://old.webrecorder.net/2022/11/10/showing-prove...>

100% **Webrecorder | Web Archives on, of, and off th...**
<https://old.webrecorder.net/2021/11/26/webarchives-o-...>

Logged-in digipres.club Mastodon Profile | <https://digipres.club>

Beta

Exit Create Profile

Log in - digipres.club

digipres.club/auth/sign_in

digipres.club

Login to digipres.club

Login with your digipres.club credentials. If your account is hosted on a different server, you will not be able to log in here.

E-mail address *

Password

Log in

[Sign up](#) [Forgot your password?](#) [Didn't receive a confirmation link?](#)

Webrecorder US Government Web Archive

Webrecorder's efforts to archive US federal government at the end of the Biden administration. Working in collaboration with eotarchive.org

govarchive.us



Collections



CoralReef.gov
929 pages / 1.51 GB



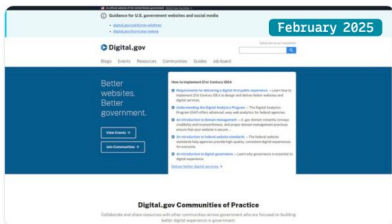
Climate.gov - April 2025
101,000 pages / 104 GB
An updated archive of climate.gov and related data tools/dashboards, captured in April 2025.



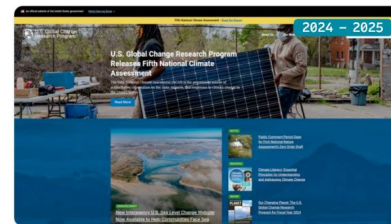
COVID.gov
630 pages / 794 MB
Contributed by our partners from Safeguarding Research & Culture (safeguar.de)



PatentsView.gov



digital.gov



Global Change Research Program

Browsertrix Access & Onboarding

- Browsertrix plans: <https://webrecorder.net/browsertrix/pricing/>
- **Discount for Conifer users:** 10% off first 12 months of subscription using code **CU2026**
- Free trial available
- Higher-usage Teams, Pro and white glove Enterprise services also available

	Starter <small>Free Trial</small> \$30/Month Try free for 7 days →	Standard \$60/Month Sign up →	Plus \$120/Month Sign up →	Pro Billed Annually Get a demo →	Enterprise Billed Annually Get a quote →
Feature					
Automated Browser-based Crawling	✓	✓	✓	✓	✓
Secure Login & API Access	✓	✓	✓	✓	✓
Access to Archived Items	✓	✓	✓	✓	✓
Collection Curation Features	✓	✓	✓	✓	✓
Best In Class Quality Assurance (QA) Features	✓	✓	✓	✓	✓
Online Community Forum Support	✓	✓	✓	✓	✓
Browsertrix Quarterly Community Calls	✓	✓	✓	✓	✓
Execution Minutes	180/Month	360/Month	720/Month	Custom	Custom
Additional Minutes Available for Purchase	✓	✓	✓	Custom	Custom
Storage	100 GB	220 GB	500 GB	Starting at 2 TB	Custom
Pages per Crawl	2,000	5,000	10,000	Custom	Custom



Q & A

support@conifer.rhizome.org