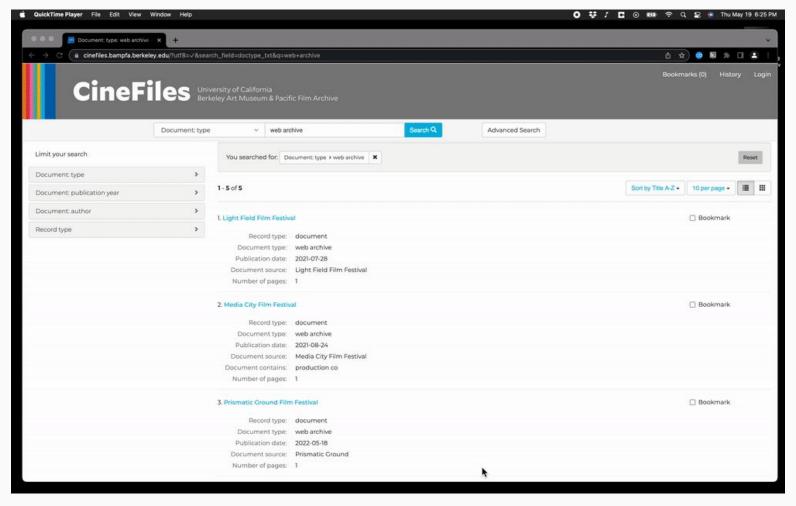
Web archives in digital repositories

Simple integration and reducing software maintenance footprint

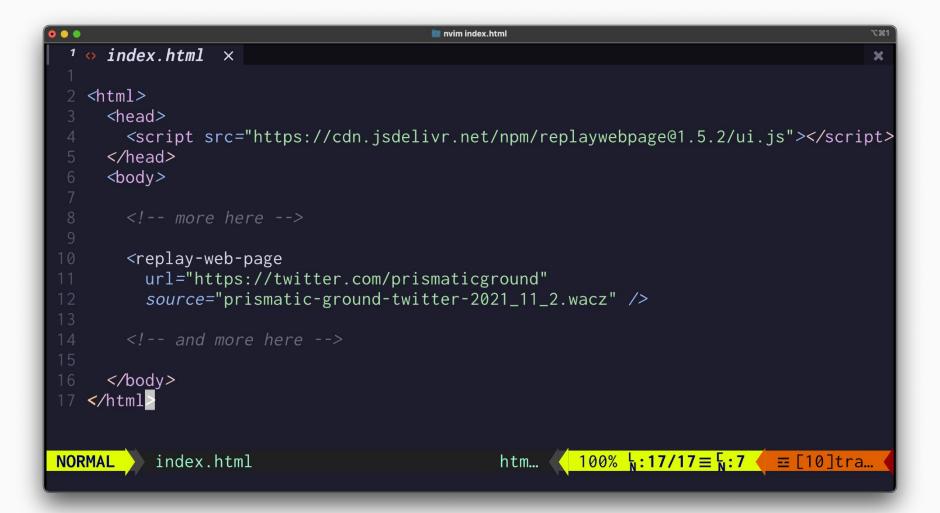
Ed Summers
Stanford

Ilya Kreymer Webrecorder

https://bit.ly/c4l-webarch



https://bit.ly/c4l-webarch1



What is a **Digital Repository?**

"An institutional repository is an archive for collecting, preserving, and disseminating digital copies of the intellectual output of an institution, particularly a **research institution**."

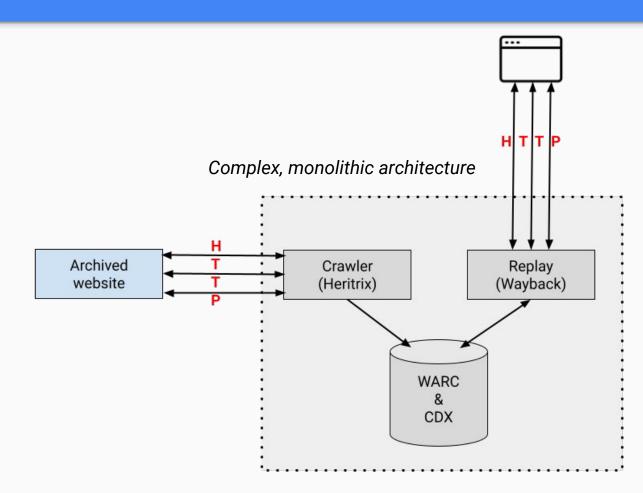
-Wikipedia



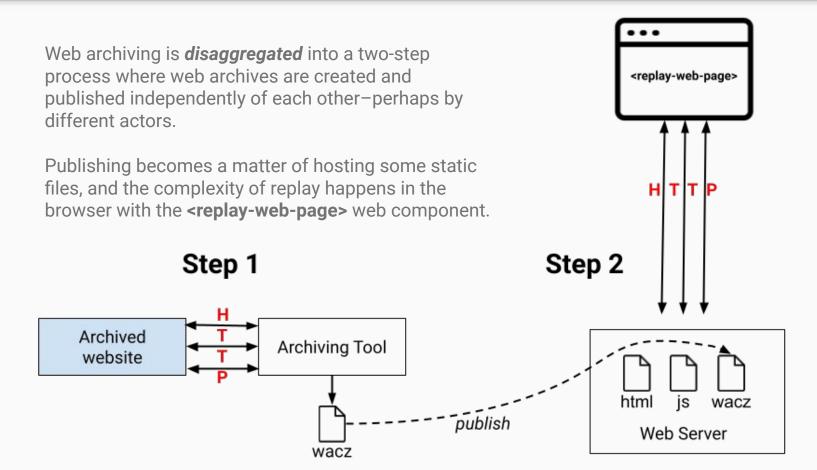
What is a Web Archive?

"Web archiving is the process of collecting portions of the World Wide Web to ensure the information is preserved in an archive for future researchers, historians, and the public. Web archivists typically employ web crawlers for automated capture due to the massive size and amount of information on the Web."

-Wikipedia



Making Web Archives Portable with WACZ





What is the WACZ format?

WACZ

Web Archive Collection (or Crawl) Zipped

- Bundles web archive data (WARC) + metadata
- Indexed (CDX), random-access readable
- Extends Frictionless Data Package
- Can include cryptographic signatures
- Just a Zip File!
- https://specs.webrecorder.net/wacz/latest/

Publishing Web Archives

- 1. Allow repository users to add .wacz files like they can other types of files (e.g. pdf, mp4, mp3, jpg, docx, etc)
- 2. Add a *script* element for the ReplayWebPage JavaScript library to your web archive item views.
- 3. Use the **<replay-web-page />** web component in item views for web archives that points at the WACZ file.
 - See https://replayweb.page/docs/embedding for more details

Creating WACZ Files

- 1. <u>py-wacz</u> a CLI tool for bundling WARC files into a WACZ
- 2. <u>archiveweb.page</u> a Chrome extension and Electron app for interactively creating web archives
- 3. <u>express.archiveweb.page</u> create a snapshot of a single public web page in any browser
- 4. <u>browsertrix-crawler</u> a command line browser-based crawler (Docker)



Features Sign-Up for Early-Access

Automated Web Archiving for All!

Browsertrix Cloud is an open-source cloud-native high-fidelity browser-based crawling system designed to make web archiving easier and more accessible for everyone.

SIGN-UP FOR EARLY ACCESS



https://browsertrix.cloud



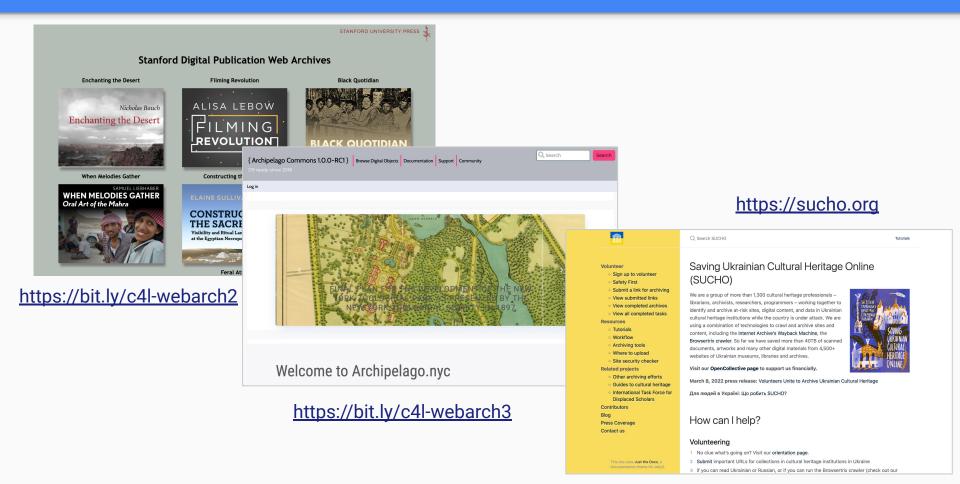


← → C A Browsertrix Cloud running a crawl with multiple browsers

• **Browsertrix Cloud** Archives / Ilya's Archive Crawls Crawl Templates Members ← Back to Crawls Crawl of istu.edu.ua Summary Status Run Duration Pages Crawled Crawl Scale Running 0 / 183 2m 40s Watch Crawl 57 Overview https://ist... https://ist... https://ist... https://ist... https://ist... View Crawl Download Logs English ~ 0

Some more examples ... we would to see more!







- https://webrecorder.net
- https://forum.webrecorder.net
- https://github.com/webrecorder
- https://specs.webrecorder.net