## Existing Archival Practice: Web Archives as Infrastructure

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#### Web Archives and Archival Studies

A bit about me and my research interests:

- Appraisal: how are decisions made about what to archive from the web.
- Appraisal is driven by beliefs about use, misuse, disuse (Ahmed, 2019)
- Appraisal is sociotechnical: delimited by tools, which embody needs.

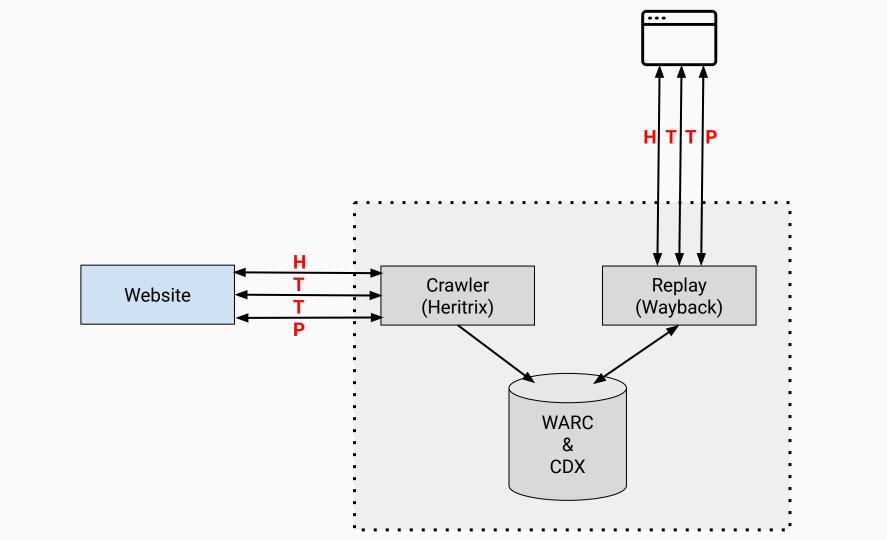
Putting these ideas into **practice** at Stanford University Library, helping to maintain the Stanford Web Archiving Program, while also contributing to the Webrecorder project (whose tools we use).

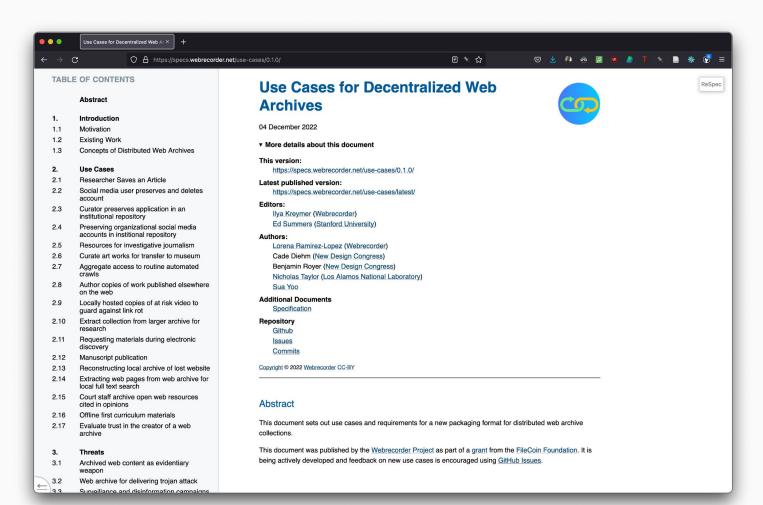
#### Web Archives are Archives

The fundamental concepts of archival theory are rooted in concepts embedded in Roman law, which have lingered for centuries and are so ingrained in our Western culture that we keep perpetuating them even when we cannot remember the reason for doing so. (Duranti, 1994)

A **document** is evidence in support of a fact. (Briet, 1951)

The existence, preservation and availability of archives, documents, records in our society are very much determined by the distribution of wealth and power. That is, the most powerful, the richest elements in society have the greatest capacity to find documents, preserve them, and decide what is or is not available to the public. This means government, business and the military are dominant. (Zinn, 1970)





#### **Trust**

- Centralized web archives have trust characteristics associated with them.
- Centralized web archives are single points of failure.
- Decentralized archives present challenges for knowing what and whose archived content to trust.
- Are there hybrid solutions?
- Trust by Who?

### **Transparency**

- Centralized archives often hide (intentionally or not) their inner mechanisms for collecting and presenting archived content
- Decentralized technologies
   (blockchain and cryptocurrency protocols) can obfuscate power dynamics that are actually at play.
- Transparent for Who?

## **Portability**

- Centralized archives bind code and data together in processes of crawling, indexing and replay which make it difficult to move archived content from one place to another.
- For web archives to be used as evidence they need to be storable and viewable in different (sometimes secure) contexts.
- Portable for Who?

### **Ownership**

- Centralized web archives aggregate and control data by design.
- Archives that are used as evidence need to be controllable by individuals and organizations.
- The creators and providers of web archives need to be verifiable.
- Owned by Who?

# Thanks!

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