

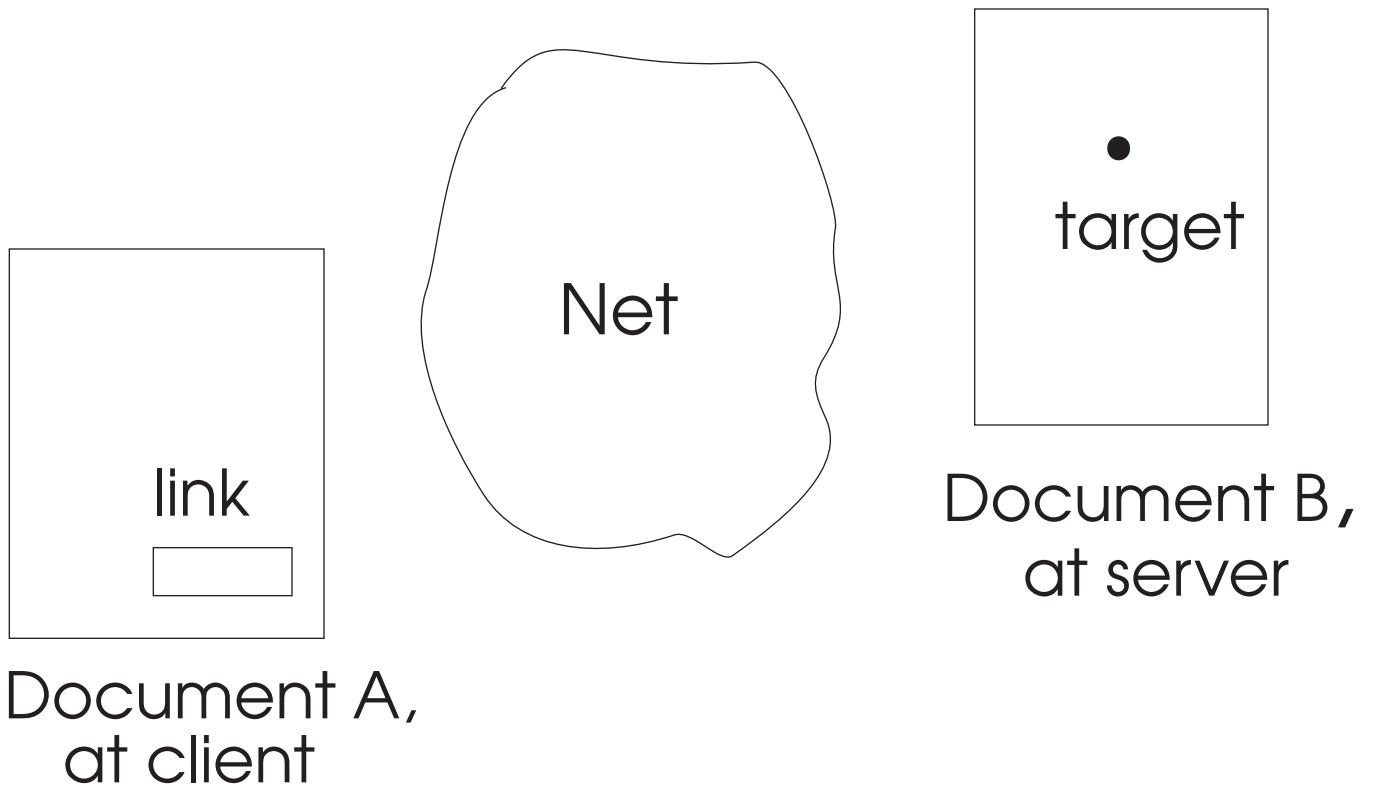
NEEDED: A SYSTEMATIC STRUCTURING PARADIGM FOR DISTRIBUTED DATA

Jerome H. Saltzer

Library 2000

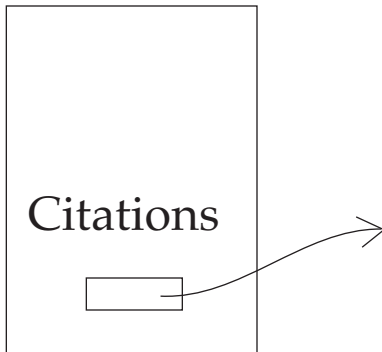
Massachusetts Institute of Technology

Links

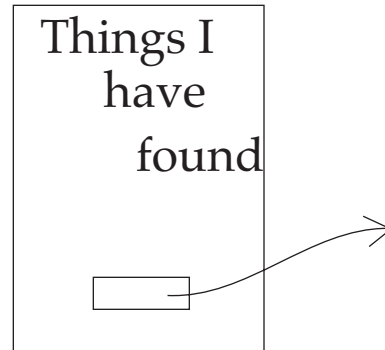


Uses for Links in a Library

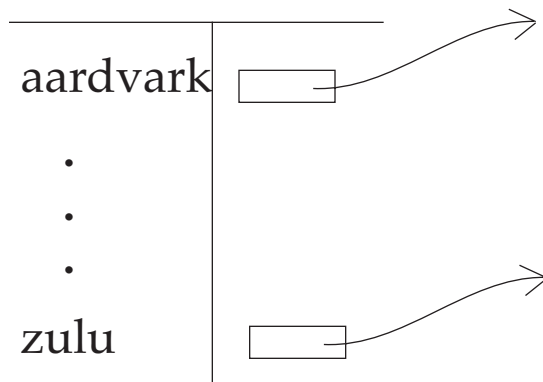
1. Formal paper



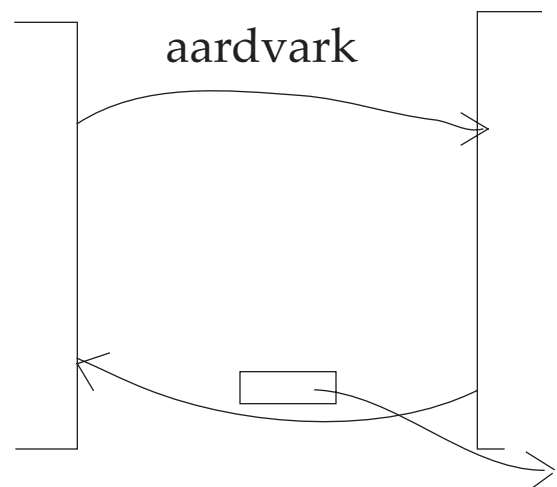
2. My notes



3. Search Service Index



4. Search Protocol



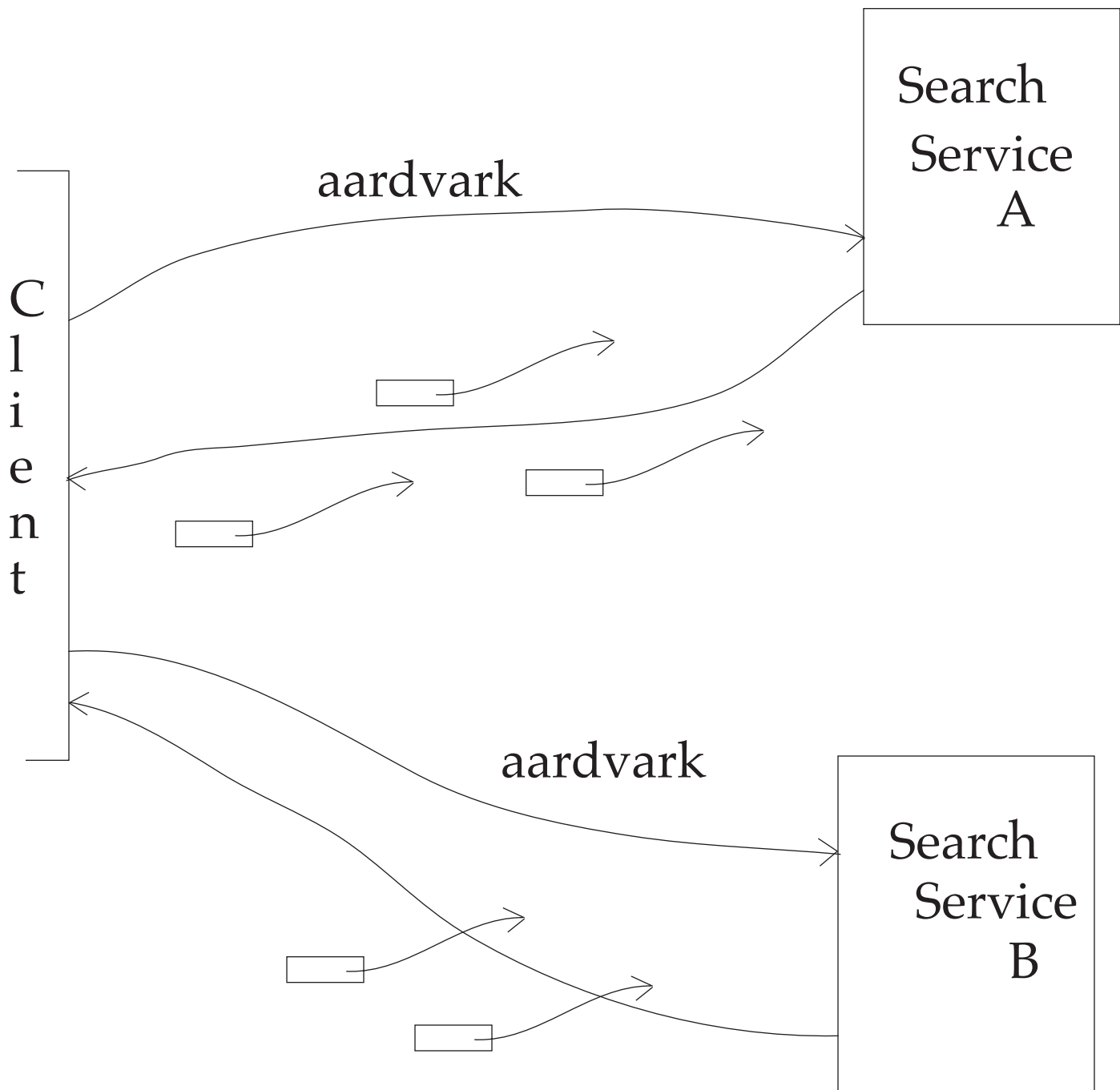
Why it is Hard: Persistence

Over a long-enough time,

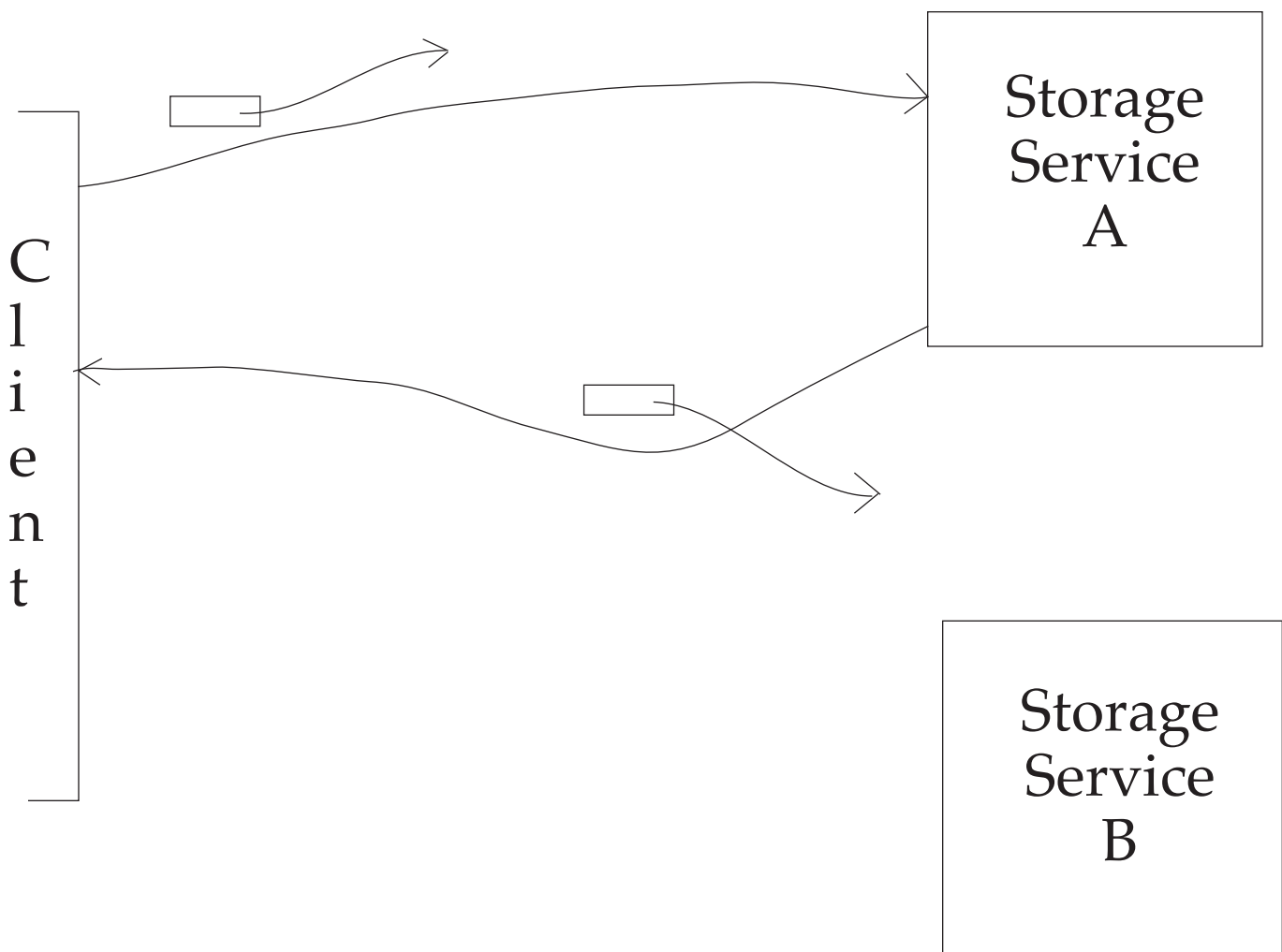
The storage service will
upgrade,
relocate,
merge, and
reorganize.

The document will
be updated or superseded,
be withdrawn,
be lost and restored,
become available from a
competitive service, and
be indexed in many places

Why it is Hard: Deduplication



Why it is Hard: Forwarding



Who is Thinking about it:

Ted Nelson

Xanadu

Brewster Kahle

WAIS

Tim Berners-Lee

World-Wide Web

Cliff Lynch

CNI

Conclusion

- There is an opportunity here for a contribution from the systems community.