

# Designing Storage Architectures for Digital Collections 2023

## Library of Congress

### DSA 2023 - Suggested Background Reading

*In conjunction with the 2023 DSA Meeting at the Library of Congress, here are a few suggested background readings suggested by attendees. Please note, these items are not intended as exhaustive or prescriptive; they are merely intended to provide useful context related to the meeting topics. Find previous meetings at: [www.digitalpreservation.gov/meetings/](http://www.digitalpreservation.gov/meetings/).*

### Digital Preservation Community:

1. Resources collected by DigiPres Commons: <http://www.digipres.org/>
2. "The Effectiveness and Durability of Digital Preservation Systems," Ithaka S+R: <https://sr.ithaka.org/publications/the-effectiveness-and-durability-of-digital-preservation-and-curation-systems/>
3. "A 21<sup>st</sup> Century Technical Infrastructure for Digital Preservation," Nathan Tallman: <https://nathantallman.com/publications/tallman-2021-infrastructure/>
4. "Understanding Storage Intermediaries," Helen Hockx-Yu and Don Brower <https://curate.nd.edu/show/v118rb72h90>
5. "Digital Preservation Storage Criteria – version 3": <https://osf.io/sjc6u/>
6. "National Digital Stewardship Alliance (NDSA) 2021 Fixity Survey": <https://osf.io/2qkea/>
7. "MetaArchive Explores Next Generation Digital Preservation Solutions": <https://metaarchive.org/metaarchive-explores-next-generation-digital-preservation-solutions/>
8. "Linguistic Data in the Long View," Laura Welcher: <https://direct.mit.edu/books/book/5244/chapter/3537377/Linguistic-Data-in-the-Long-View>

## Storage Provider Community:

9. “5 Important Data Storage Trends 2023-2025,” Explodingtopics.com:  
<https://explodingtopics.com/blog/data-storage-trends>
10. “Gartner: Flash array revenue to overtake HDD,” Blocksandfiles.com:  
<https://blocksandfiles.com/2022/10/03/gartner-flash-array-revenue/>
11. “2023 Data Storage and Active Archive Trends,” Active Archive Alliance:  
<https://activearchive.com/blog/2023-data-storage-and-active-archive-trends-part-i/>
12. “Preserving Our Digital Legacy: An Introduction to DNA Data Storage,” DNA Data Storage Alliance: <https://dnastoragealliance.org/dev/publications/>
13. “12<sup>th</sup> Annual Global IT Executive Summit – Optimizing Storage in the Post-COVID, Zettabyte age,” Fujifilm Corporation: <https://www.fujifilmsummit.com/>
14. “The Escalating Challenge of Preserving Enterprise Data,” Further Market Research White paper jointly sponsored by FujiFilm Corporation and Twist Bioscience Corporation: <https://www.twistbioscience.com/resources/white-paper/escalating-challenge-preserving-enterprise-data>

## New Media:

15. 5D Optical Solutions: “Optical Storage”, Peter Kazansky:  
<https://digitalpreservation.gov/meetings/storage18.html>
16. “Project Silica 2022,” Microsoft: <https://www.youtube.com/watch?v=3RKpA1OiEFE>
17. “New Digital Transmission Record Set Using a Single Laser and a Single Chip”:  
<https://phys.org/news/2022-10-transmission-laser-optical-chip.html>