

# Library of Congress

## Storage Architectures for Digital Collections 2024

### Suggested Background Reading

In conjunction with the 2024 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. Also see 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. “Digital Preservation Storage Criteria – version 3”  
<https://osf.io/sjc6u/>
3. “What If You Lost Your Data? A Risk Assessment Activity”, University of Illinois Research Data Service  
<https://hdl.handle.net/2142/114425>
4. “National Digital Stewardship Alliance (NDSA) 2021 Fixity Survey”  
<https://osf.io/2qkea/>
5. “Calculating the Carbon Footprint of Digital Preservation – A Case Study”, Tiainen, Lehtonen, Helin, Kylander. iPres 2023 proceedings  
<https://hdl.handle.net/2142/121104>
6. “Future Data Storage Technologies - Rapid Expert Consultation on Archival Data Storage Technologies for the Intelligence Community”, National Academies  
<https://nap.nationalacademies.org/read/27445/chapter/4>
7. “Special Issue on When data turns into archives: making digital records more accessible with AI”, AI & Society, 2024  
<https://link.springer.com/journal/146/updates/26671434>
8. “Prioritizing Storage Media for Digital Archiving and Preservation”, Kostelanos, Yan, iPres 2023  
<https://hdl.handle.net/2142/121668>

## Storage Provider Community:

9. "5 Important Data Storage Trends 2023-2025", Explodingtopics.com  
<https://explodingtopics.com/blog/data-storage-trends>
10. "2024 Data Storage and Active Archive Trends- Part I", Active Archive Alliance  
<https://activearchive.com/blog/2024-data-storage-and-active-archive-trends-part-i/>
11. "The Sustainable Preservation of Enterprise Data", Furthur Market Research and Brad Johns, White paper jointly sponsored by Cerabyte, Fujifilm, and IBM  
<https://datastorage-na.fujifilm.com/the-sustainable-preservation-of-enterprise-data-a-new-report-by-john-monroe-of-furthur-market-research-and-brad-johns-of-brad-johns-consulting-llc/>
12. "Hot Data vs Cold Data in 2024: Instant Access vs. Long-Term Storage", Ben Stockton, cloudwards.net.  
<https://www.cloudwards.net/hot-storage-vs-cold-storage/>
13. "Active Archives in the Age of AI/ML", Christophe Bertrand, Enterprise Strategy Group.  
<https://activearchive.com/wp-content/uploads/2024/03/AAA-Intelligent-Active-Archive-Study-March-2024-Final.pdf>

## New Media:

14. "DOTS White Paper: Detailed Technical Overview", Group 47  
[https://www.dropbox.com/scl/fi/ku5ki34kmzmf44guj71ui/DOTS-White-Paper-Detailed-Tech-Overview\\_02-13-24.pdf?rlkey=uih07rqzia2vzcg0o8z77xd0m&dl=1](https://www.dropbox.com/scl/fi/ku5ki34kmzmf44guj71ui/DOTS-White-Paper-Detailed-Tech-Overview_02-13-24.pdf?rlkey=uih07rqzia2vzcg0o8z77xd0m&dl=1)
15. "DNA Data Storage Alliance Releases Its First Specification for Storage of Digital Data in DNA", DNA Data Storage Alliance.  
[https://www.snia.org/news\\_events/newsroom/dna-data-storage-alliance-releases-its-first-specifications](https://www.snia.org/news_events/newsroom/dna-data-storage-alliance-releases-its-first-specifications)