

Digital Preservation Storage Criteria Standards :

An Example of Community-based Good Practice

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Preservation Storage

Storage that supports digital preservation (“the series of managed activities necessary to ensure continued access to digital materials for as long as necessary” - Digital Preservation Coalition)



Purpose

All digital preservation activities rely on storage, yet there are no community guidelines available to aid storage selection.

- To inform more detailed requirements for preservation storage
- To identify gap areas in existing preservation storage
- To evaluate or compare preservation storage solutions
- To seed discussions with IT about preservation storage
- To seed discussions within the digital preservation field on preservation storage
- As a component of instructional material on digital preservation

Evolution of the Criteria

	2016 - Version 1	2017 - Version 2	2018 - Version 3
# Criteria/Categories:	48 / NA	58 / 8	61 / 8
Categories:	None	Content Integrity (3)	Content Integrity (2)
		Cost Considerations (3)	Cost Considerations (3)
		Flexibility & Resiliency (12)	Flexibility (7)
		Information Security (11)	Information Security (15)
		Scalability & Performance (11)	Scalability & Performance (10)
		Support (3)	Support (4)
		Transparency (11)	Transparency (14)
		Storage Location (4)	Resilience (6)

Usage Guide

Motivation: Using the DP Storage Criteria requires context that is grounded in digital preservation principles

Key concepts and considerations for using the criteria:

- Risk management
- Elements in establishing bit safety
- Independence between copies
- Cost analysis

Version 4

- Standards Mapping
- Category shifts and definitions
- Usage Guide updates



List of Resources

Main OSF site: <https://osf.io/sjc6u/>

Recent publications:

Deciding how to decide: Using the Digital Preservation Storage Criteria (2021)
<https://journals.sagepub.com/doi/10.1177/03400352211011490>

An Overview of the Digital Preservation Storage Criteria and Usage Guide
(2019) <https://osf.io/twvem/>

Use Cases: <https://osf.io/5q4n8/>

Storage Criteria Game: <https://osf.io/zj5td/>