

D-flat

D-flat: A Simple File System Convention for Digital Object Storage

Dflat defines a simple file system convention for storing a digital object. It imposes minimal architectural and policy constraints while reserving a small set of file system names (for directories and files) that place certain salient object features, if available, in well-known locations within a single directory hierarchy that houses the entire object. With no other knowledge about the nature or purpose of the object, human administrators and automated agents that visit a "digital flat" will be able to identify its "occupant" and understand certain of its properties such as content, metadata, version history, annotations, and administrative records.

Name:	Dflat
Version:	1.0 (2013-09-24)
Status:	Production
Specification:	Dflat: A Simple File System Convention for Digital Object Storage
Download:	Not available
More information:	Curation home page

Dflat itself makes use of other specifications and conventions, including:

- [Checkm](#): A Checksum-based Manifest Format
- [LockIt](#): A Simple File-based Convention for Resource Locking
- [Namaste](#): Name-as-Text Tags
- [ReDD](#): Reverse Directory Deltas

Implementations

Dflat (Python)

Code:

- Ed Summers, Library of Congress: <http://github.com/edsu/dflat>