



# Fedora 6.0: Impacts and Opportunities for the Samvera Community

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## High Level Fedora 6 Goals

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1. Reduce effort required to migrate
2. Enhance long term digital preservation
3. Improve performance and scale

1. Replace persistence layer (ModeShape)
2. Implement the **Oxford Common File Layout**
3. Retain alignment with specified **Fedora API**
4. Release with **migration tooling** and support

What is the Oxford Common  
File Layout (OCFL)?



**A simple, non-  
proprietary,  
specified, open-  
standards approach  
to the layout of  
preservation  
persistence.**



1. Parsability
2. Robustness
3. Versioning
4. Storage Diversity
5. Completeness



What are the potential  
benefits for Samvera?

# Transparent Persistence

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Simple file and folder hierarchy

Readable by both humans and machines

Application-independent

```
[object root]
├── 0=ocfl_object_1.0
├── inventory.json
├── inventory.json.sha512
├── v1
│   ├── inventory.json
│   ├── inventory.json.sha512
│   └── content
│       ├── metadata
│       │   ├── descriptive.xml
│       │   ├── technical.xml
│       │   └── rights.xml
│       ├── page-1-OCR.txt
│       ├── page-1.tiff
│       ├── page-2-OCR.txt
│       └── page-2.tiff
└── v2
    ├── inventory.json
    ├── inventory.json.sha512
    └── content
        └── metadata
            └── descriptive.xml
```



## Performance and Scale

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Simplified storage architecture (no more ModeShape)

Many Members issues have been resolved

Early performance tests are promising



New simple search API

Built off a database index

Not a Solr replacement



## Anticipated Timelines

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Alpha release: Available soon!

Next sprint: November 2-6

Production release: Early 2021



Icon made by [Smashicons](#) from [Flaticon](#)

Test [migration-utils](#) and provide feedback

Run [performance and scale tests](#)

Participate in a [code sprint](#)

Join the conversation in [Slack](#)

Support us by [becoming a member](#)

# Thank you!

Email **david.wilcox@lvrasis.org**

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