

Rant? Ramble?

How can we agree on some product agnostic repository function fundamentals? June 11th, 2014

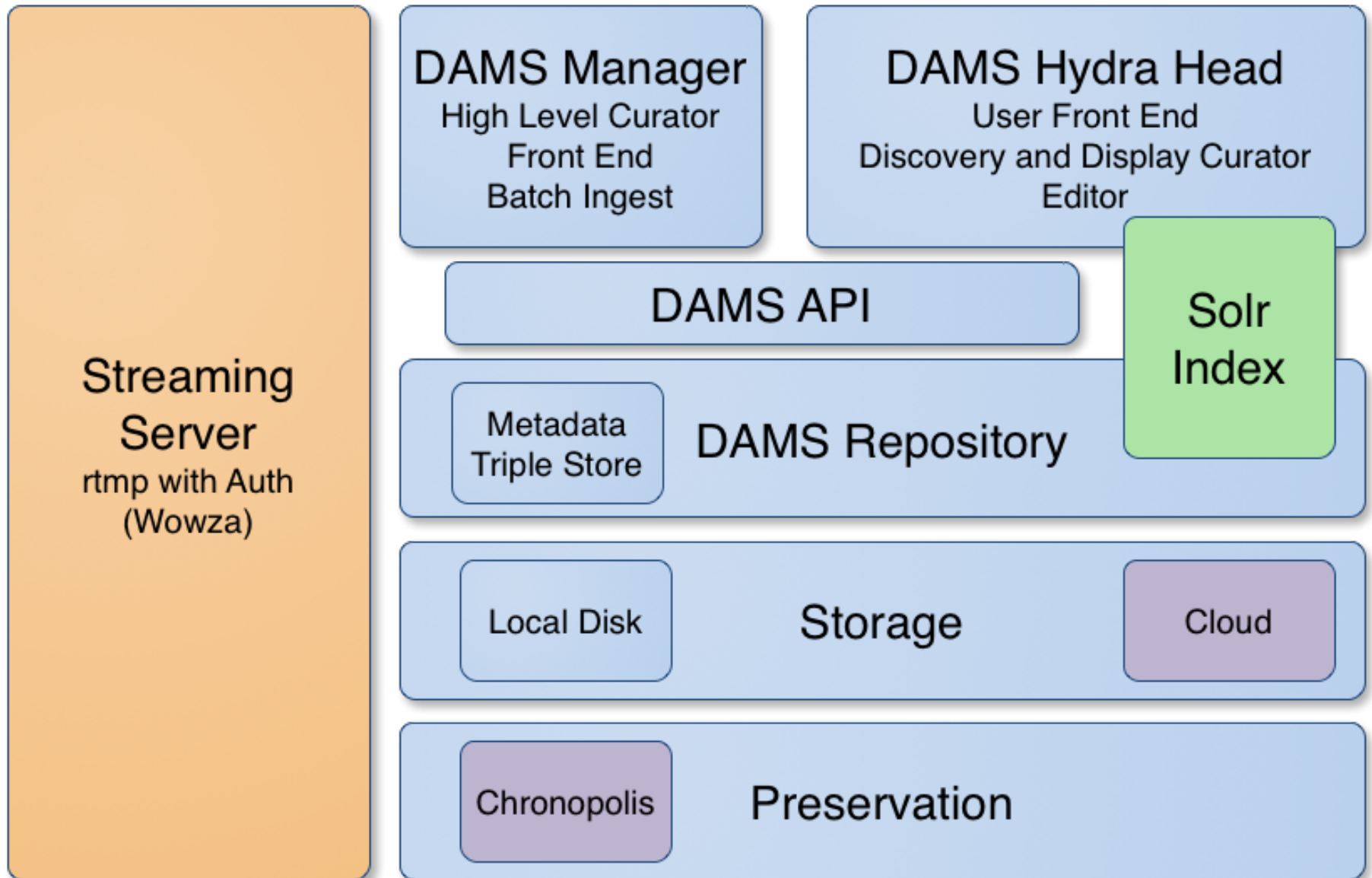
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Pre Rant

- We had a DAMS
 - 10 yrs of custom java code
 - RDF based
 - Super keen AJAX (remember THAT?) front end
- We wanted Hydra
- We weren't ready for Fedora
 - Or it wasn't ready for us?
- Hack Hydra or DAMS?

DAMS Architecture



Fedora REST API for Hydra

Status	Method	REST URI	Description	Use
Working	GET	/describe	Describe repository	Metadata
Not Implemented	GET	/objects	Basic search	Metadata
Working	GET	/objects/oid	Object profile	Metadata
Working	POST	/objects/oid	Create new object	Metadata
Working	PUT	/objects/oid	Update object metadata	Metadata
Working	DELETE	/objects/oid	Delete object	Metadata
Working	GET	/objects/oid/datastreams	List files	File System
Working	GET	/objects/oid/datastreams/fid	File metadata	Metadata
Working	POST	/objects/oid/datastreams/fid	Create new file	File System
Working	PUT	/objects/oid/datastreams/fid	Update file	File System
Working	DELETE	/objects/oid/datastreams/fid	Delete file	File System
Working	GET	/objects/oid/datastreams/fid/content	Download file	File System
Not Implemented	GET	/objects/oid/datastreams/fid/history	File history	Metadata
Not Implemented	GET	/objects/oid/datastreams/fid/relationships	Relationship metadata	Metadata
Not Implemented	GET	/objects/oid/export	Object metadata, with links	Metadata
Not Implemented	GET	/objects/oid/objectXML	Object metadata	Metadata
Not Implemented	DELETE	/objects/oid/relationships	Delete relationship	Metadata
Not Implemented	POST	/objects/oid/relationships/new	Create new relationship	Metadata
Not Implemented	GET	/objects/oid/validate	Validate object (checksums?)	File System
Not Implemented	GET	/objects/oid/versions	List versions	Metadata
Working	POST	/objects/nextPID	Create new identifier	Metadata

Some Examples

Working	GET	/objects/ oid /datastreams/ fid	File metadata	Metadata
Working	POST	/objects/ oid /datastreams/ fid	Create new file	File System
Working	PUT	/objects/ oid /datastreams/ fid	Update file	File System
Working	DELETE	/objects/ oid /datastreams/ fid	Delete file	File System
Working	GET	/objects/ oid /datastreams/ fid /content	Download file	File System
Not Implemented	GET	/objects/ oid /datastreams/ fid /history	File history	Metadata

Rant Proper

- Hacking our API was dead easy
 - Mapped metadata calls to the triple store
- Got to leave Hydra as stock
- **Why can't we plug ANYTHING in like this?**
 - Because there are no standards for metadata at the bit level?
 - (And too many at the higher levels...) – different rant
 - Sidecars, bitstreams, triples
 - Because we have different ideas about what an object is?

Ramble

- I pine for resource forks
- FAT32 MUST DIE!
 - Or live forever?
- What will a file system even mean once every researcher has a free terabyte on OneDrive?
 - Dropbox was the gateway drug
- How will we preserve what's "on disk" when we can't even see the disk anymore?
- Promotion from files on disks to library objects