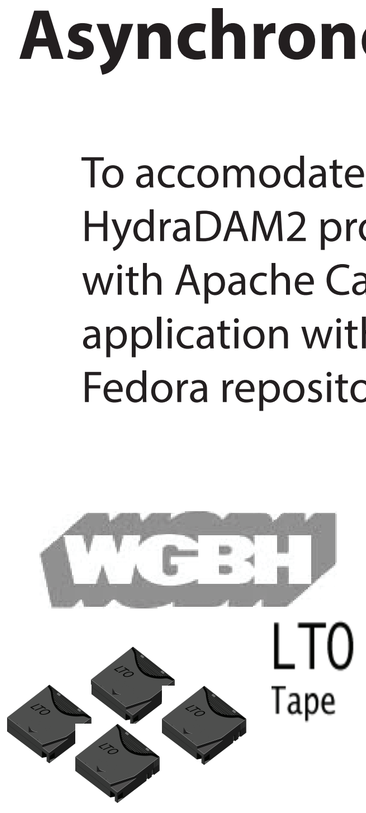
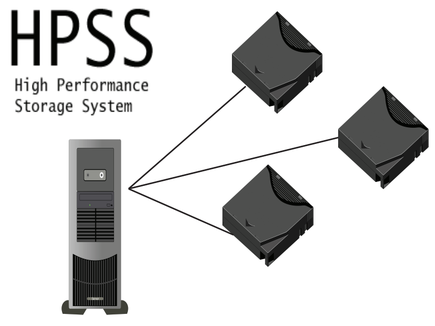
HydraDAM2 for Audiovisual Preservation

HydraDAM2, a joint development project between Indiana University and WGBH, aims to leverage new developments in Hydra and Fedora in order to provide better preservation solutions for audiovisual materials.

Asynchronous Storage Interactions

To accomodate diverse storage backends, HydraDAM2 provides user interactions working with Apache Camel routes to connect the Hydra application with objects stored outside of the Fedora repository.





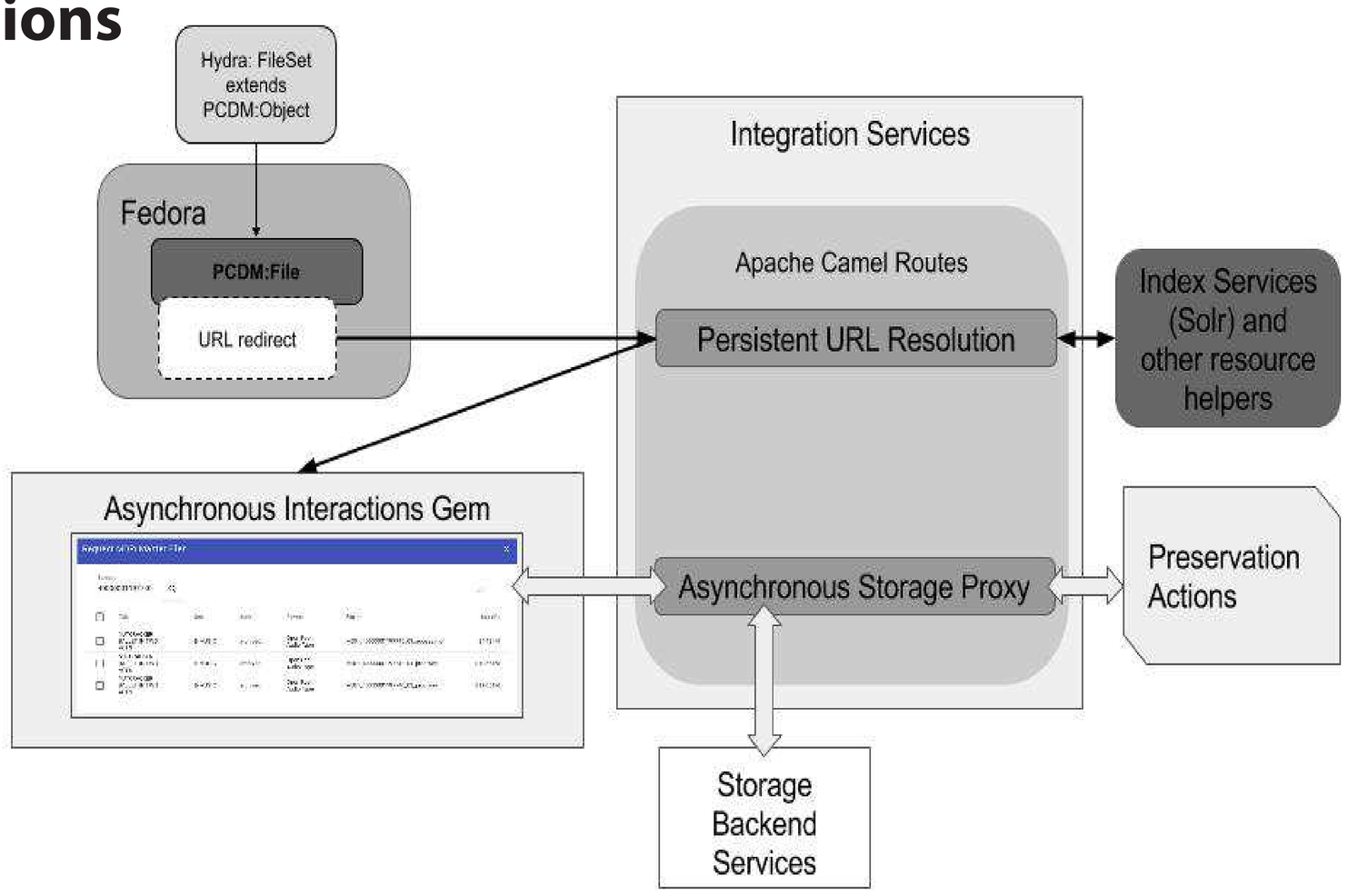
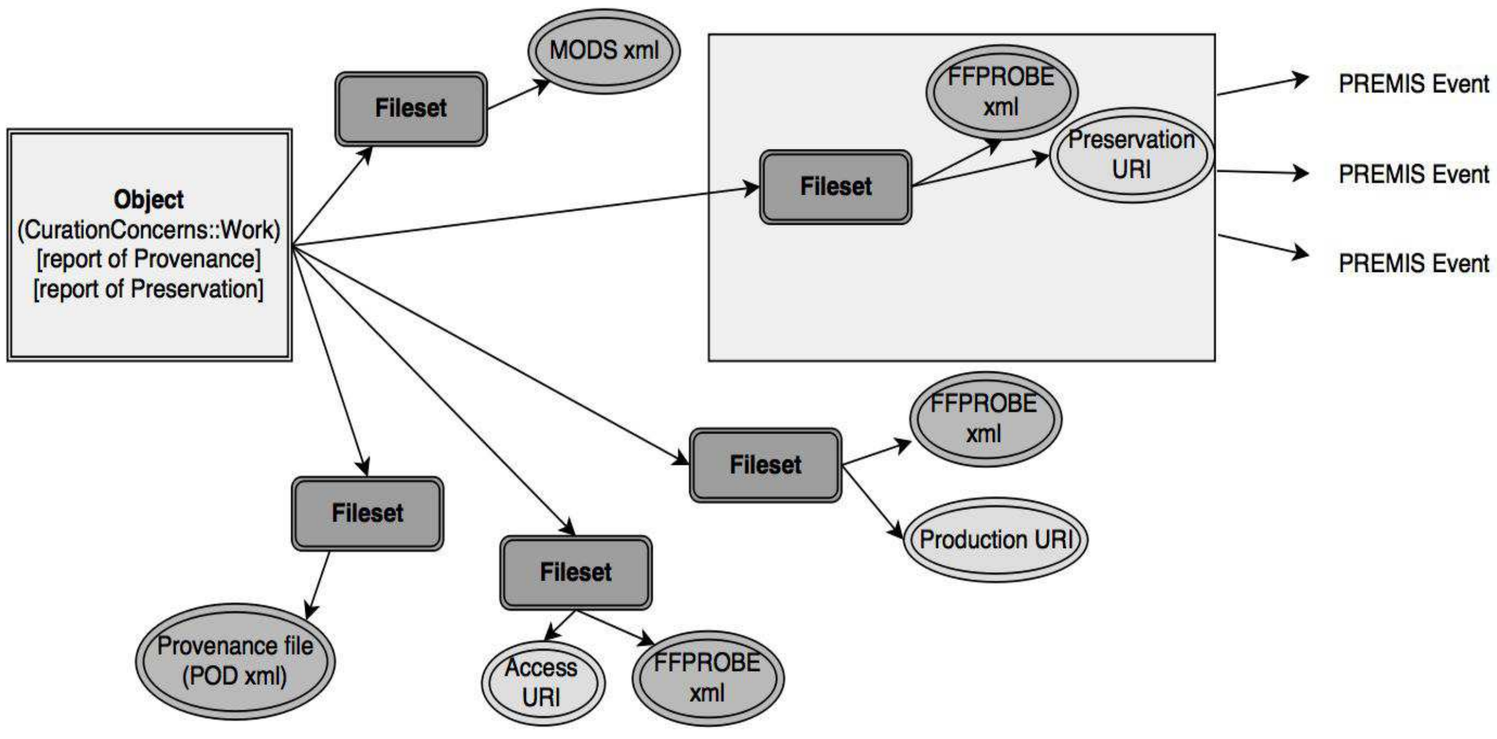


Image adapted from Randall Floyd's 2/22/2016 presentation to the HydraDAM2 Partners Meeting: https://docs.google.com/presentation/d/1PQSjRpVhs9i3wASKjDnbAGg_uCOlPubAudKytweSG3Q/edit?usp=sharing

Data Modeling Based on Portland Common Data Model



HydraDAM2 leverages filesets in order to describe complex objects with multiple original binaries being transferred during the digitization process of audiovisual material. The repository parses technical metadata in order to enable discoverability and management of files for preservationists.

Implementing PREMIS Within Hydra

HydraDAM2 will build out preservation functionality in order to support the needs of large collections of audiovisual content. As the project aims to utilize existing standards and make HydraDAM2 usable across the Hydra community, the repository will implement PREMIS in order to capture and log preservation events.

```
<local:Object/premis/event1> <rdf:type> <premis:Event> ;
<premis:hasEventType> <http://id.loc.gov/vocabulary/preservation/eventType/fix> ;
<premis:hasEventDateTime> "2016-08-17T13:00:00Z" ;
<premis:hasEventOutcomeInformation> "SUCCESS|BAD CHECKSUM" ;
<premis:hasAgent> <hydradam2:HeidiDowding> .
```

HydraDAM2 Project Team

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Powered by hydra