A Research Lifecycle Approach using Islandora 8 Overview

National Data Services Framework Summit 2019

January 24, 2019
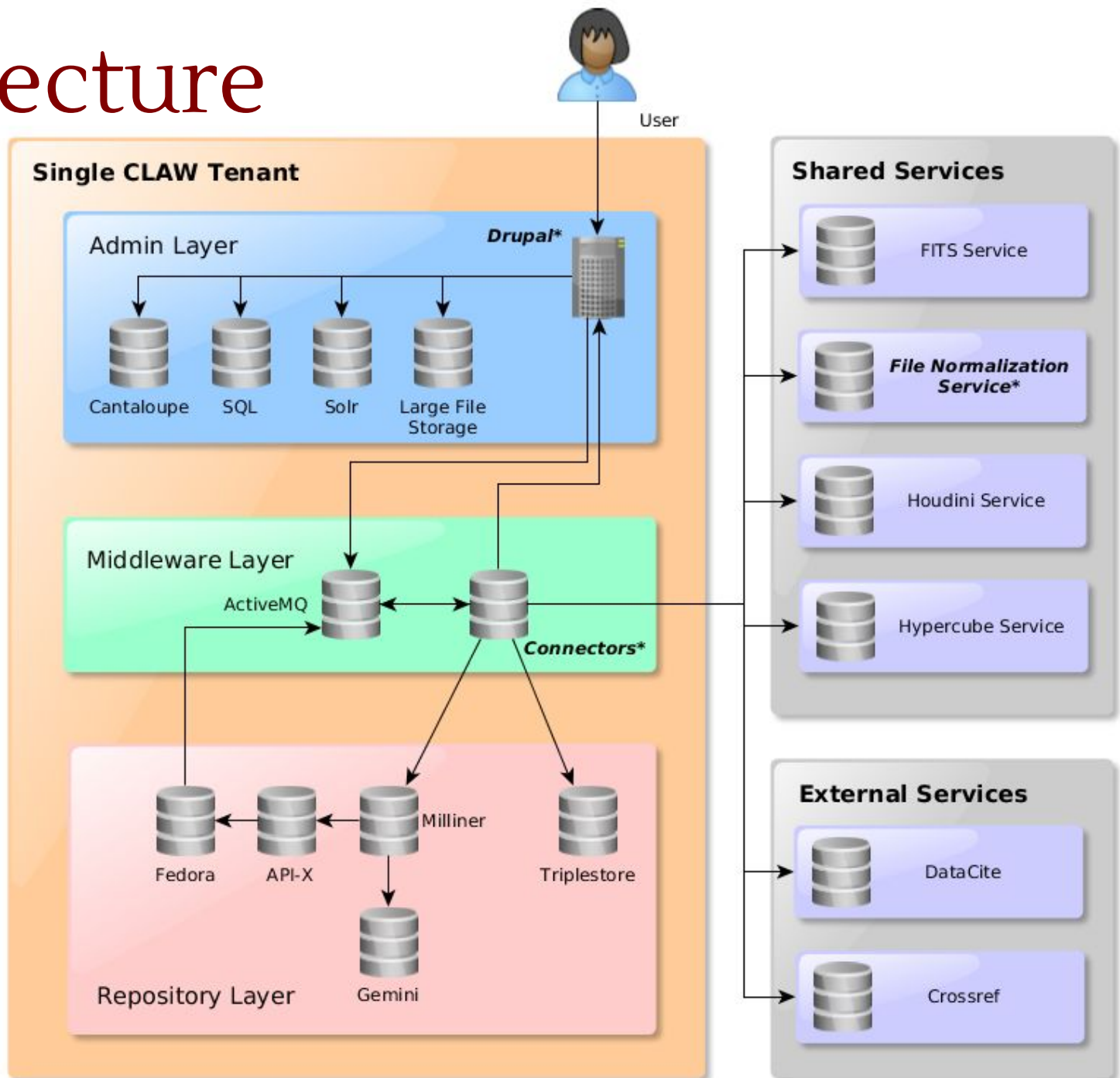
Donald Moses & Rosie Le Faive

University of Prince Edward Island

Project Description

Develop features in Islandora 8 and integrations with other services that provides a comprehensive research data management platform that is informed by the FAIR principles.

Architecture

Islandora RDM & FAIR

Findable

- PIDs and DOIs for published datasets
- Flexible Metadata
- Solr Search

Accessible

- [Human] and [machine readable]
- Indexable in Google
- Indexed in DataCite

Interoperable

- LDP Endpoint
- Standard RDF vocabularies
- Integrations - ORCID, DataCite

Reusable

- Licenses
- Provenance
- Application profiles

Islandora RDM & NDSF

- DataCite Canada
  - DOI generation and metadata aggregation
- FRDR
- ID services
  - Eg ORCID, GRID
- Storage
  - Comp.Can.
  - UofT Duracloud

- Integration between repositories
- Preservation
- Shared microservices
- Local DMPs pushed to Portage DMP Assistant

Thank you
Donald Moses & Rosie Le Faive
University of Prince Edward Island