

Earning Your Wings



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What?

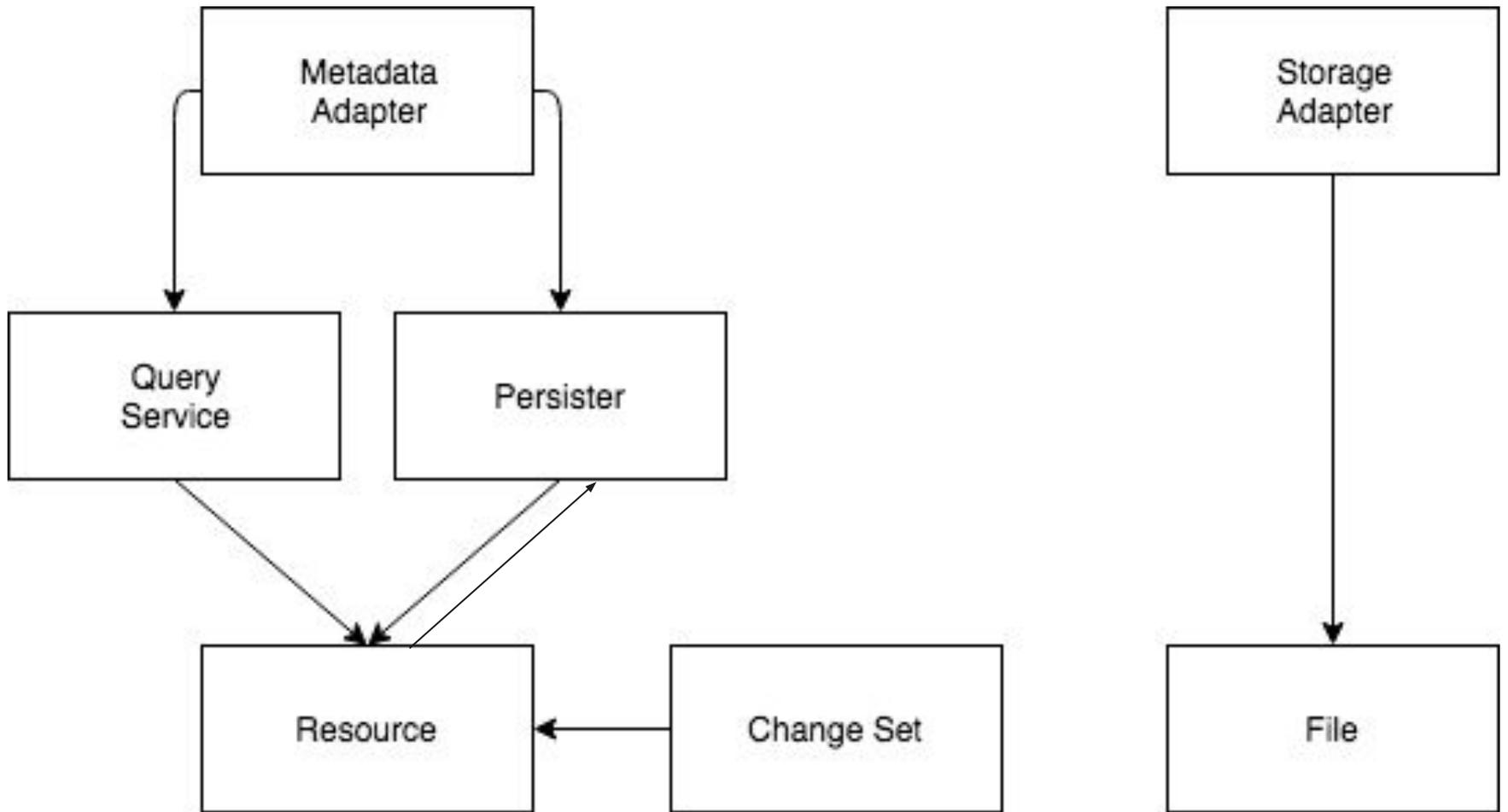


Diagram of Valkyrie's Technical Stack

**VALKYRIE IS MY
BREAKABLE TOY**

~~**VALKYRIE IS MY
BREAKABLE TOY**~~

**WINGS CAN BE
OUR BREAKABLE
TOY**

What is Wings

What Wings is:

- A Valkyrie adapter with data compatibility with ActiveFedora
- Uses ActiveFedora and your existing models under the hood
- Provides round-tripping between `Valkyrie::Resource` and legacy models

What Wings isn't:

- A Fedora killer.
- Permanent.

**Where are we
Now?**

Models Transformation

ActiveFedora to Valkyrie

```
book =  
  Hyrax::Test::Book  
    .new(title: ['Comet in Moominland'])  
  
valk_book = book.valkyrie_resource  
  
valk_book.title  
# => ["Comet in Moominland"]
```

Valkyrie to ActiveFedora

```
book =  
  Hyrax::Test::BookResource  
    .new(title: ['Comet in Moominland'])  
  
af_book =  
  Wings::ActiveFedoraConverter  
    .convert(resource: book)  
  
book.title = ['new title']  
  
Hyrax.persister.save(resource: book)  
  
af_book.reload.title  
# => ["new title"]
```

Native Models

```
class Book < Hyrax::Work
  include Hyrax::Schema(:basic_metadata)

  attribute :author, Valkyrie::Types::String
end
```

Native Models

Hydra Works Models as Valkyrie:

- Hyrax::Work
- Hyrax::FileSet
- Hyrax::PcdmCollection

Schema Module Builder

```
include Hyrax::Schema(:book)
```

Access Controls:

- Models
 - AccessControl
 - Permission
- Services
 - Hyrax::PermissionManager
 - Hyrax::AccessControlList (change set)

Model Registry

```
Wings::ModelRegistry  
  .register(MyResource,  
           LegacyModel)
```



What's Next

Wings is in Hyrax!

- 3.0.0 marks a commitment to what is already in the codebase.
- No longer marking Valkyrie issues/PRs as **wings** (except for wings adapter tickets)
 - Valkyrie work in Hyrax is just Hyrax work.

Technical Next Steps

- Build out Valkyrie support in:
 - Controllers
 - Forms
 - Presenters
- Define and document patterns for
 - Versioning
 - Indexing
 - Business Transactions (actor stack)



What can you Do?

In your Hyrax application:

Convert your application to Valkyrie with Wings!

- Refactor isolated services
 - Cast to valkyrie around the interface boundaries
- Use Valkyrie native models

Explore the edges of support.

- Report issues
- Ask questions
- Provide feedback

In Hyrax itself:

- Review pull requests!
- Read the code!
 - Provide feedback on emerging patterns in Hyrax `app`
 - More eyes on Wings will mean more stability & better performance
- Work on Issues
 - Work on open tickets!
 - Find code that is dependent on ActiveFedora, open small tickets to rework.

Come to the code read/write breakout tomorrow(?)







Hyrax
3.0 is
Valkyrie



Hyrax
3.0
is Hyrax