

I love Lucy

and Dezi too



Apache Lucy Dezi DBIC 101

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Goals of Talk

- Give some background
- Create an Index
- Setup a search service
- Query the service

Terms

- Lucy - An indexer written in C, loosely ported from Lucene
- Dezi - A client server package that queries Lucy. Uses Swish3 for parsing when indexing.
- Swish3 - Swishe compatible parser. Will parse incoming pdf, docs, html, xml, and others.
- DBIC - Popular ORM for Perl

Lucy Background

- An indexer written in C, loosely ported from Lucene
 - Fast full text search
 - Results based on relevance
 - Proximity searches
 - Eventually be used in any dynamic language

Dezi

- A client server package that queries Lucy. Uses Swish3 for parsing when indexing and OpenSearch for return result sets.
- Plack and restful JSON api.

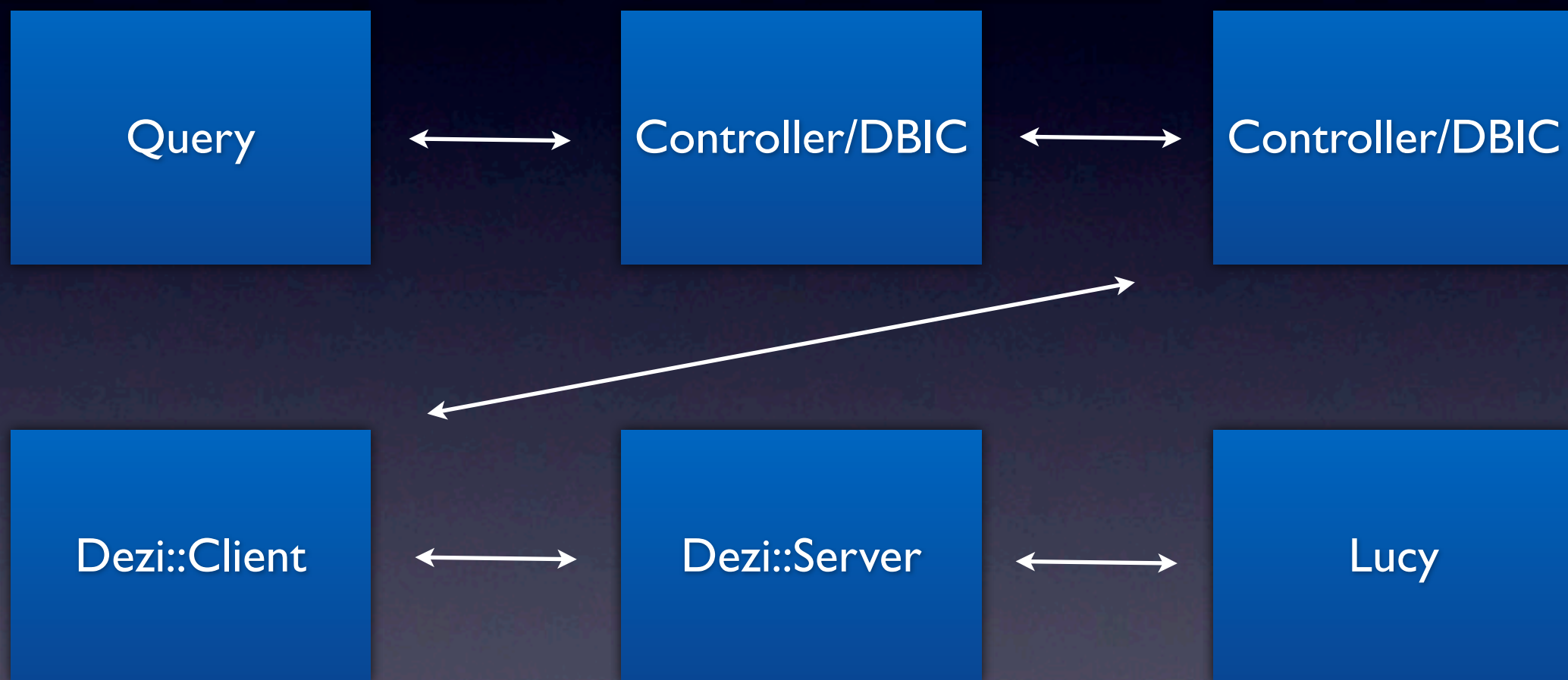
Swish3

- Based on an older parser/indexer project SWISHE.
- Parses doc, pdf, html, xml, and other formats.

DBIC

- A popular perl ORM package.
- DBIx::Class::Indexer::WebService::Dezi
- DBIx::Class::IndexSearch::Dezi

Query Workflow



Install Dezi

```
% cpanm Dezi
```

```
% cpanm Dezi::Client
```

Test it Out

```
% dezi &
```

```
% echo '<doc><title>bar</title>hello  
world</doc>' > test.xml
```

```
% dezi-client test.xml
```

```
% dezi-client -q bar
```


Example Plack App

- Index some stuff
- Find some stuff

State of Lucy

- Still in apache incubation
- Active development

Further Reading

- <http://apache.lucy.org>
- <https://metacpan.org/module/Lucy::Docs::Tutorial>
- <https://metacpan.org/module/Dezi::Tutorial>

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