CREATE A DISCOVERY LAYER IN MINUTES
WITH COUCHDB, ELASTICSEARCH AND JQUERY/BOOTSTRAP

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THE PROBLEM:

- You have MARC
- You need to do something
- You're not a programmer/SysAdmin
A SOLUTION:

- Python
- CouchDB
- ElasticSearch
- jQuery/Bootstrap

PYTHON:

- Forked from lemanal/dcat
- PyMarc library
- Takes MARC data dump
- Sends it as JSON to CouchDB
COUCHDB

- NoSQL database
- Webserver; built-in RESTful API
- All data in JSON
- Javascript is query language
- Can cluster/replicate
- Versioning
- MapReduce
- CouchApps

ELASTICSEARCH:

- Indexes CouchDB (built on Lucene)
- Real-time updates from CouchDB (via 'river')
- Built-in RESTful API
- Push replication
JQUERY/BOOTSTRAP:
• Forked from okfn/facetview
• Use ElasticSearch’s API
• No server-side programming
• No additional web server necessary
• Voila: basic search interface!

WRAP-UP
• Limitations
• Gotchas
• Questions?
[made by hand with reveal.js]