

CREATE A DISCOVERY LAYER IN MINUTES

WITH COUCHDB, ELASTICSEARCH AND JQUERY/BOOTSTRAP

Jonathan T. Younker (Brock University)

twitter: @jtyounger / github: jyounger

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
- Webservice; 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](#)]