Federating with ArcGIS
Open Data

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@dmfenton
Built-in Federation

Organization: South County
Open Data Group  Open Data Group  Open Data Group

Organization: North County
Open Data Group  Open Data Group  Open Data Group

Open Data Site

Organization: State
CKAN Federation

clt.charlotte.opendata.arcgis.com

Data.gov
CKAN: How it works

What you need

- Open Data Group(s)
- Open Data Site
- Organization info
- An installation of CKAN
- CKAN DCAT Extension
- CKAN Harvester Extension
CKAN: Step-by-step

- Install CKAN
- Install CKANEXT DCAT
- Install CKANEXT Harvest
- Start CKAN
- Start CKAN Harvesters
- Add new harvest source
Koop

Diagram:
- Koop
  - ArcGIS Online
  - Socrata
  - Any Open Data APIs
  - Github
  - Gist

Sub-diagrams:
- GeoJSON
  - Leaflet
  - Desktop
  - JS API
  - ArcGIS Online
- Feature Services
# Koop Providers

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Koop-Socrata

• Tabular data
• Uploaded shapefiles
• Examples
  - http://geo.wa.gov
  - http://data.pf.opendata.arcgis.com/
• Resources:
  - https://gist.github.com/dmfenton/7d9203e47d9bac7e9e95
Socrata: Register Entire Site

1. Register a Socrata host on your Koop Instance
2. Create an Open Data group and get the id
3. Edit registerSocrata.rb
4. Run the script
5. Refresh datasets in Admin Data Report where necessary
Additional Resources

- Github.com/koopjs
- Koopjs.github.io
- [https://github.com/dmfenton/ckan-docker](https://github.com/dmfenton/ckan-docker)
- [https://gist.github.com/dmfenton/7d9203e47d9bac7e9e95](https://gist.github.com/dmfenton/7d9203e47d9bac7e9e95)
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