a simple OAI-PMH publishing registry

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OAI-PMH registry service

- why? publish VOResource(s) into the IVOA registry ecosystem

- how? operate an OAI publishing registry
  - run the registry service
  - add 1 or more VOResource records
  - register the service with rofr.ivoa.net – claim an authority!
  - other full registries will find you in rofr and harvest your records

- maintain your resource records
  - add new resources
  - mark obsolete resources as "deleted"
  - check that changes have propagated after awhile

OpenCADC registry service

- **reg**: simple web service driven entirely from files

- code and documentation: https://github.com/opencadc/reg
- docker image: **images.opencadc.org/core/reg:1.1.0** (current)

- so, what's the catch? **those XML files don't write themselves!**
  - not limited by UI/tools/editor: can include anything allowed by the schema(s)
  - test suite does full schema validation
  - need to grok VOResource + VODataService + Identifiers and a little bit of OAI
  - manually editing XML files is OK-ish, but need to be careful to set the timestamps consistently

TODO

- document the steps in one place
- provide more examples or template XML files to start from

- provide tools to create/update resources? editor?
- deployable web UI?

- open to suggestions, discussion, and pull requests…
    … but need a plan that actually helps people

- development resources quite limited, so work we do will probably have to help our own ops staff deploy and manage…
    … what we have now is more or less working for us