FEEDS UI + MIGRATE ENGINE = DREAM MIGRATIONS AND IMPORTS

Work in progress

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In this presentation

- Content migration tools for Drupal 8 in 2018
- Comparison of Feeds and Migrate
- Feeds_Migrate – new module in development
- How to contribute

WARNING!

- This demo uses dev tools
- Things might and will break
- Interface and features can and will change without notification

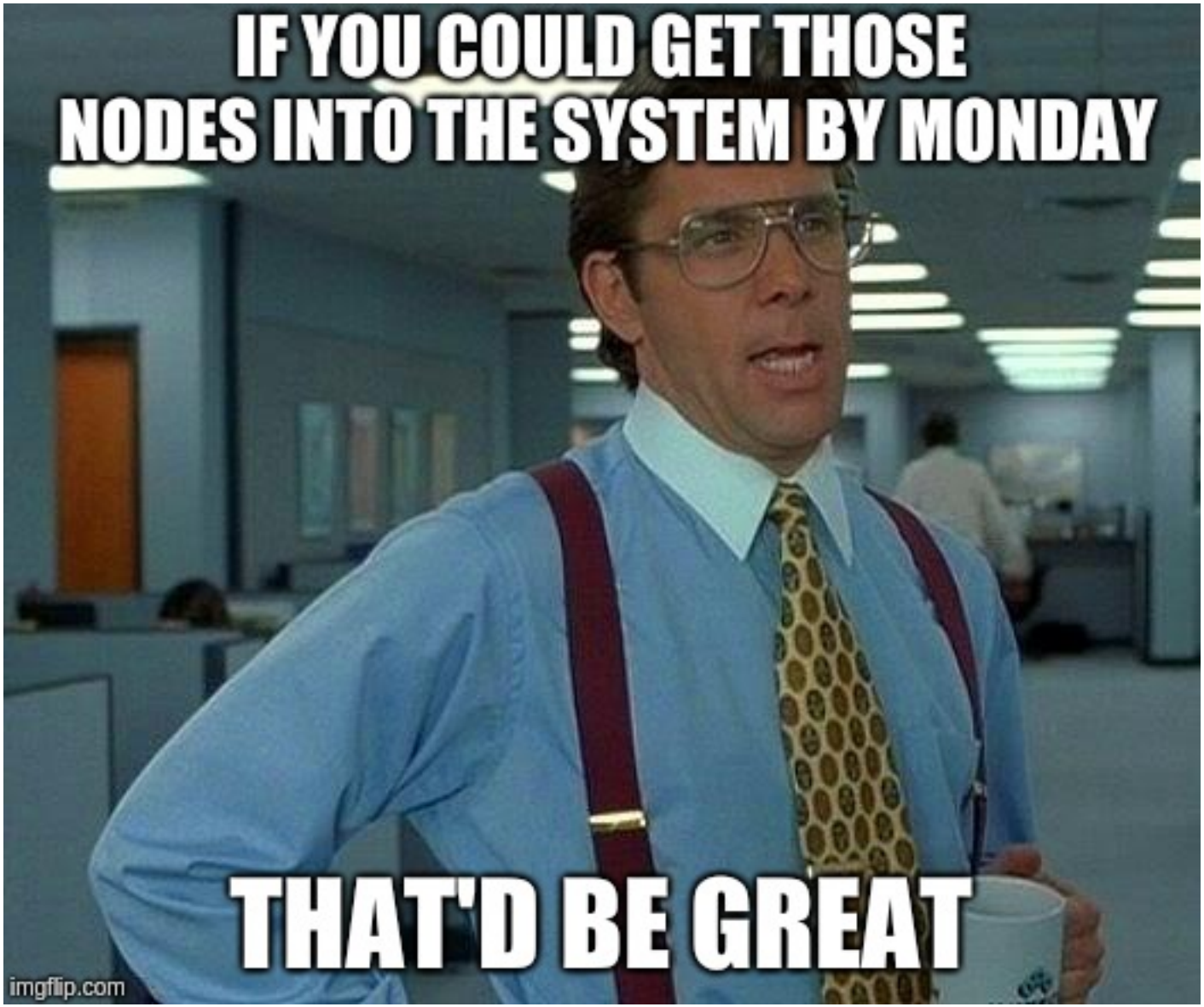
STAY CALM and DRUPAL ON

Website is supporting mission and operation of your organization

- Websites are living creatures
- Websites change, grow, and shrink as do organizations that these sites support
- New content is generated inside and outside of your organization and needs to be added or imported into your site

Moving content into your website: What

- Importing structured data (.csv, xml, json)
- Importing from
  - Other websites
  - Documents
  - Database (s)
- One time import / Periodic import
- Update, replace or preserve previously imported content items
- Monitor import state (last import, # of items, etc.)


IF YOU COULD GET THOSE
NODES INTO THE SYSTEM BY MONDAY
THAT'D BE GREAT
imgflip.com

Moving content into Drupal 8:

How

- New Drupal 8 Website - “One-click “ upgrade via web interface

  Configuration > Development->Upgrade
- Set up migrations via drush/yml files and manage in Migrations tab Structure-> Migrations
- Feeds Module – build UI and import data
- Custom scripts

Ready for
Moving

Examples

- D7 site - https://live-kipac7-clean.pantheonsite.io/
- New site - http://test-drupal-8-content-migration.pantheonsite.io
- Migrate http://test-drupal-8-content-migration.pantheonsite.io/admin/structure/migrate/manage/migrate_drupal_7/migrations
- Feeds
  - http://test-drupal-8-content-migration.pantheonsite.io/admin/structure/feeds
  - http://test-drupal-8-content-migration.pantheonsite.io/feed/2

Moving Data

Data Source

- Data structure
- Actual data

Data Processing / Tampering

- Reformat date (to ISO)
- Change relationships (text list to term reference)
- Explode array (from csv list)
- Change text case
- Find/replace
- Other transformations

Destination container

- Entity type
- Fields

D7 Migrations - Migrate / Feeds

Feeds - **configured via web UI**

1 - Create Feed type

- Select Processor (node, user, term, etc)
- Select Parser
- Select Source type (upload file/url)
- Add Feed type specific properties

2 – Create Feed Import

- Add actual data source (upload file or enter url)
- Import data
- Delete data

Migrate - **coded in .yml files**

- Define data source (file)
- Define processors
- Define destination

If data source is changed new migration has to be set up

Operations

- Run import
- Stop import
- Rollback - delete all imported data

New in Drupal 8 - Migrate Module in Core

Migrate Code is in D8 Core

Migrate in core

- Parsers
- Processors
- Missing - good UI

Feeds

- Great UI
- Feeds-specific features
- Need more parsers and tampers

Why code and maintain more parsers and processors for feeds if we can use what is in core

Feeds-specific features not handled by Migrate

- periodic import
- unpublish/delete nodes not in feed
- expire/update items that are already on the target site.
- target configuration
- Pubhubsubbub
- etc.

Current status of Feeds

- Most recent release Sept 6, 2018
- CSV import works out of the box , no json and xml
- Tamper plugins can be extended
- Join discussion Feeds weekly meetup
  https://drupal.slack.com/messages/C34CECZAL/details/
  every Thursday 11 am PST

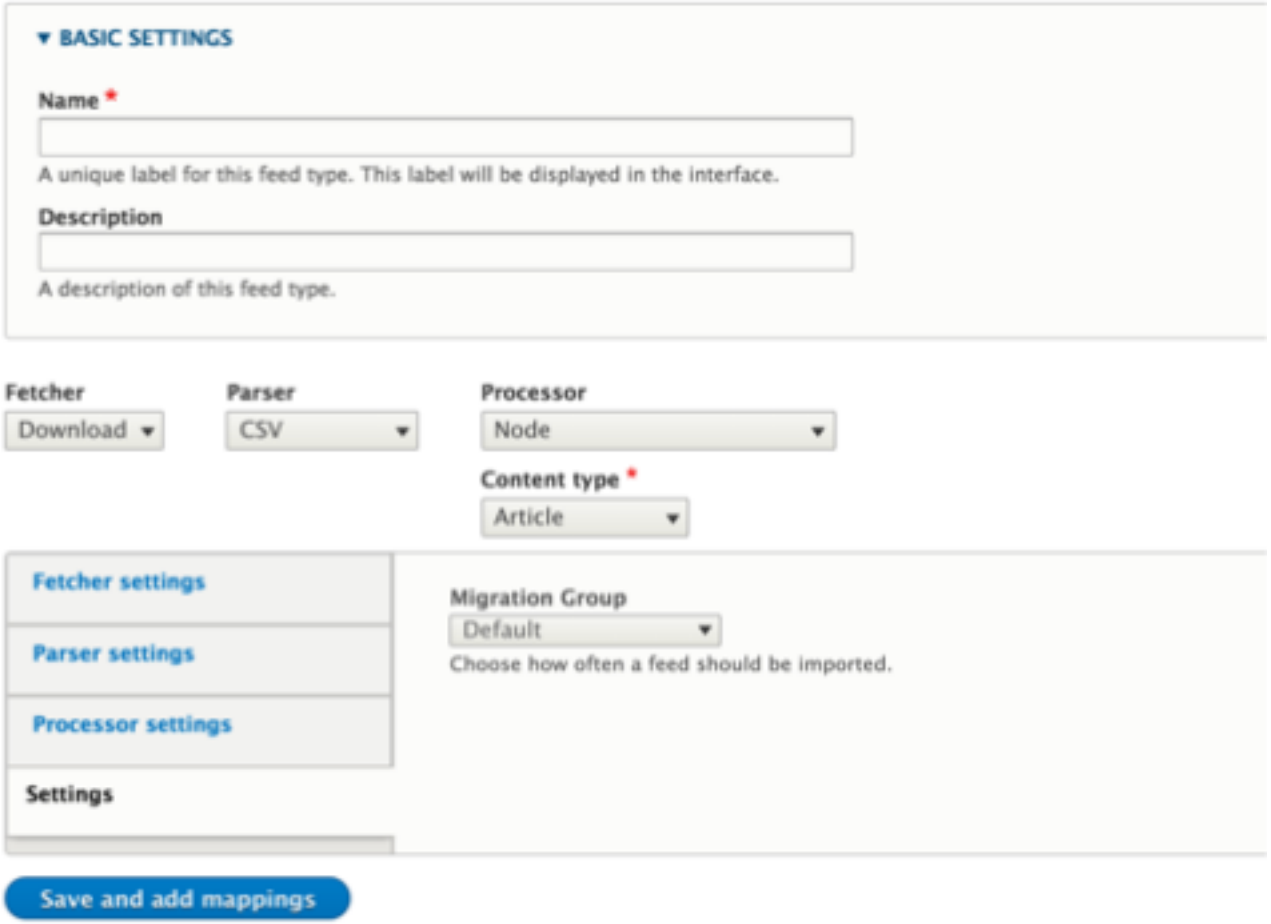
Let's code new module that will have Feeds UI that connects to Migrate engine

Feeds Migrate Importer (Type) - Drupal Structure Basic UI

Create new “Feeds Migrate Importer” and define destination of import - Drupal Structure

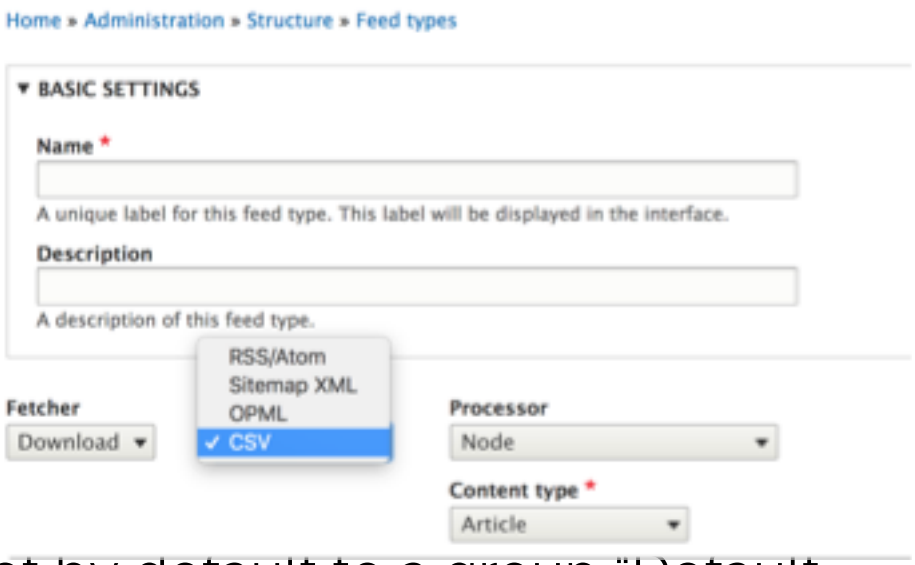
https://www.drupal.org/project/feeds_migrate/issues/3002360

http://dev-feeds8.pantheonsite.io/admin/structure/migrate/manage/default/migrations



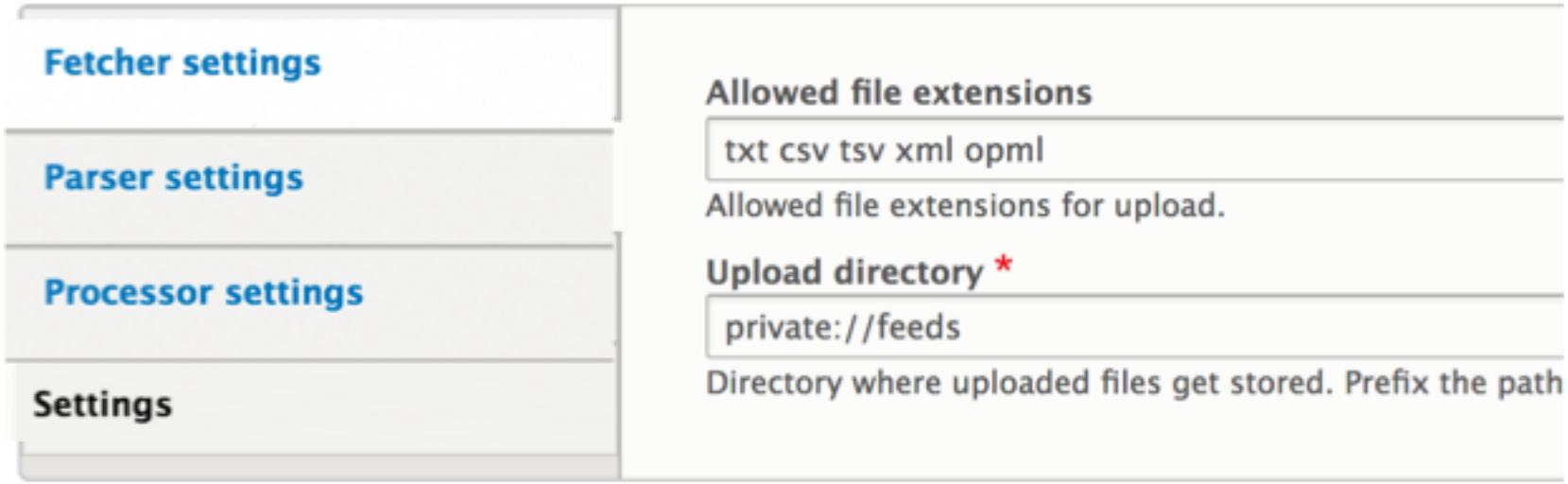
Add and Basic Config for Feed Migration Mapper

admin/structure/feeds-migrate/sources/add

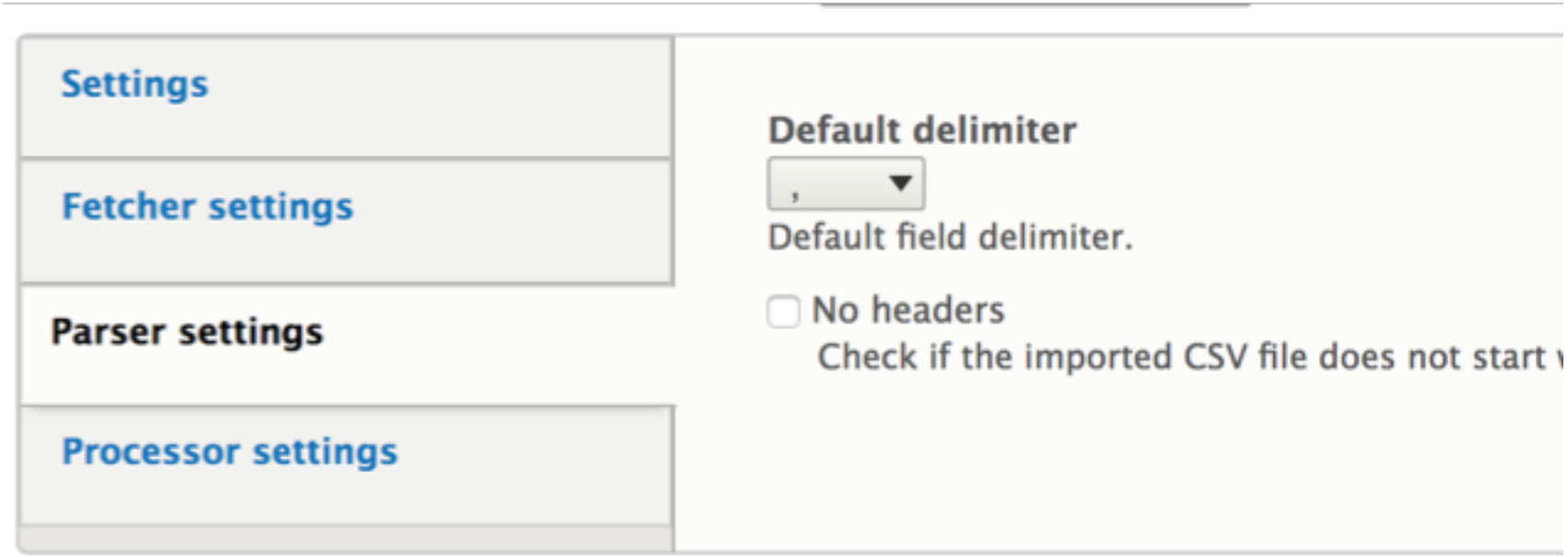


- Name/description
- Select fetcher
- Select parser
- Select processor
- Add authentication option
- **Migration group** should be set by default to a group "Default migrations" group and set in Settings tab under all other tabs

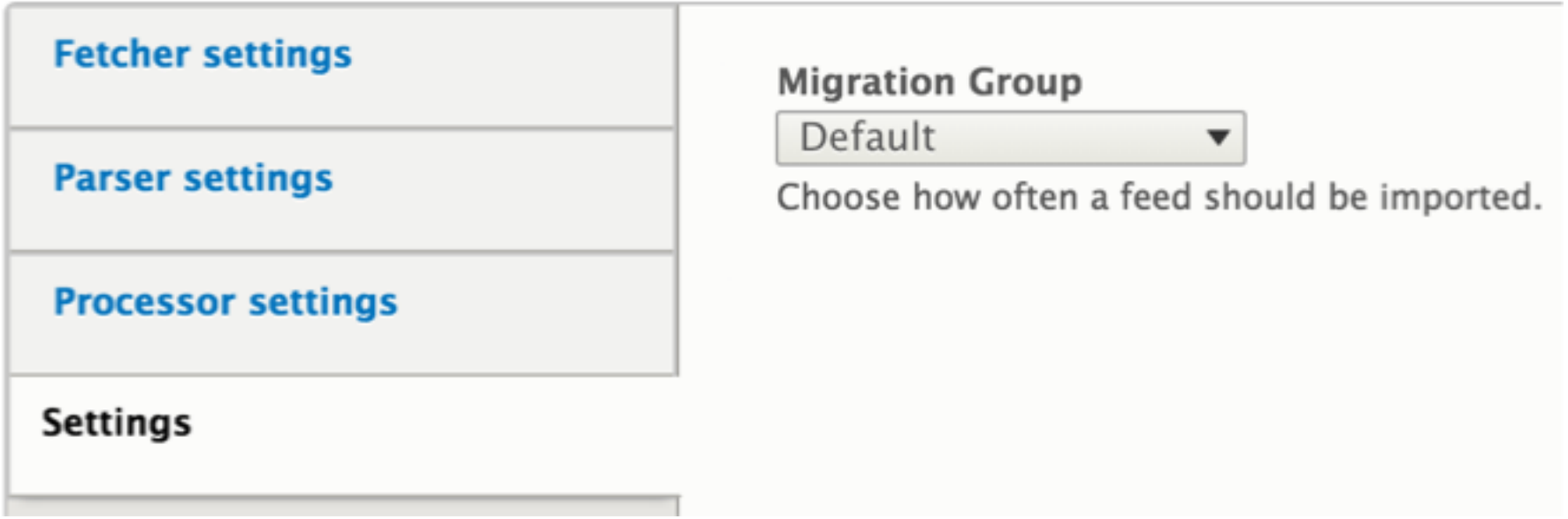
Add fetcher settings - fetcher-specific



Parser settings - parser-specific



Bottom Settings tab with Migration Group set by default



Authentication options

If feed is pulling from url it might need authentication username/password or token fields

- Integration with OAuth?
- Other options? Guzzle in core?

Mapping UI

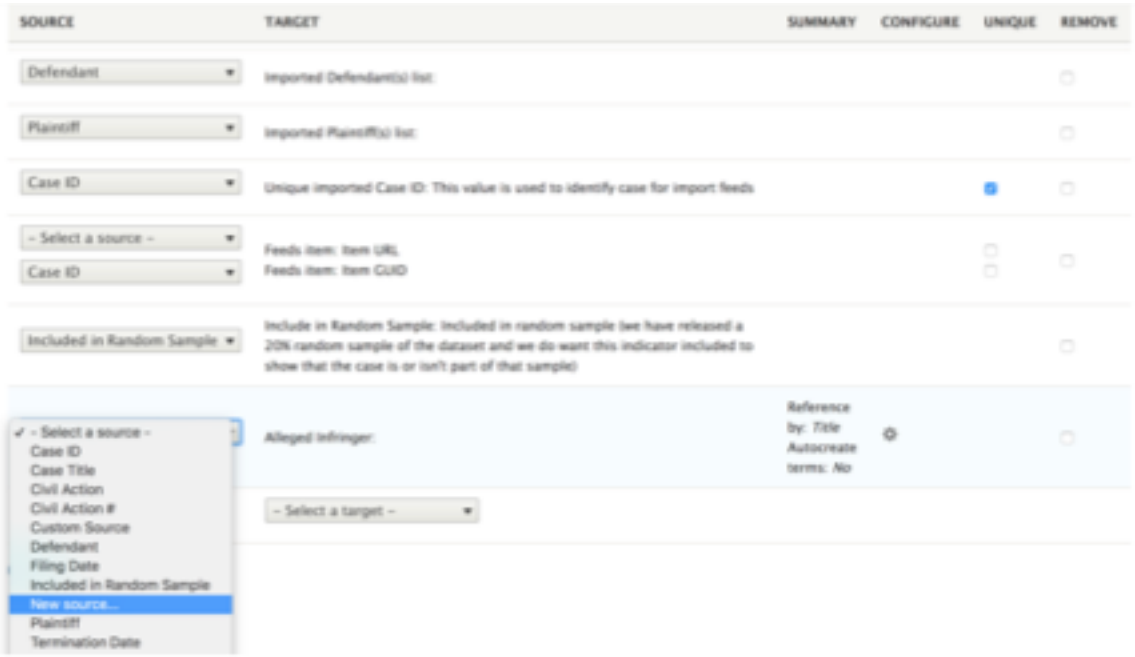
Configure import structure manually or drop file/point to url - map import sources to fields in destination

https://www.drupal.org/project/feeds_migrate/issues/3002361

Mapping sources (current interface)

Manually add name (csv) or json string or xml path. and map to fields for content type

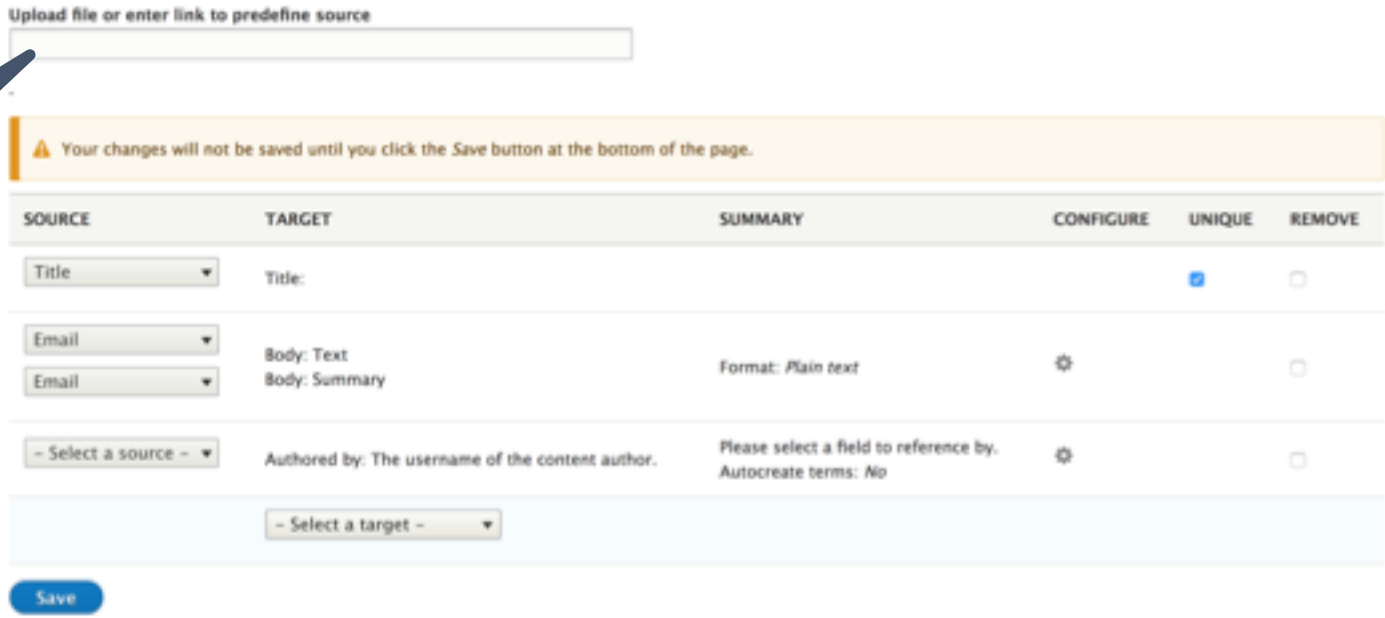
http://dev-feeds8.pantheonsite.io/_admin/structure/feeds/manage/article_import_from_url/mapping



Mapping sources - wish list

Similar to migrate-upgrade config only command, does not import data, but creates import configuration

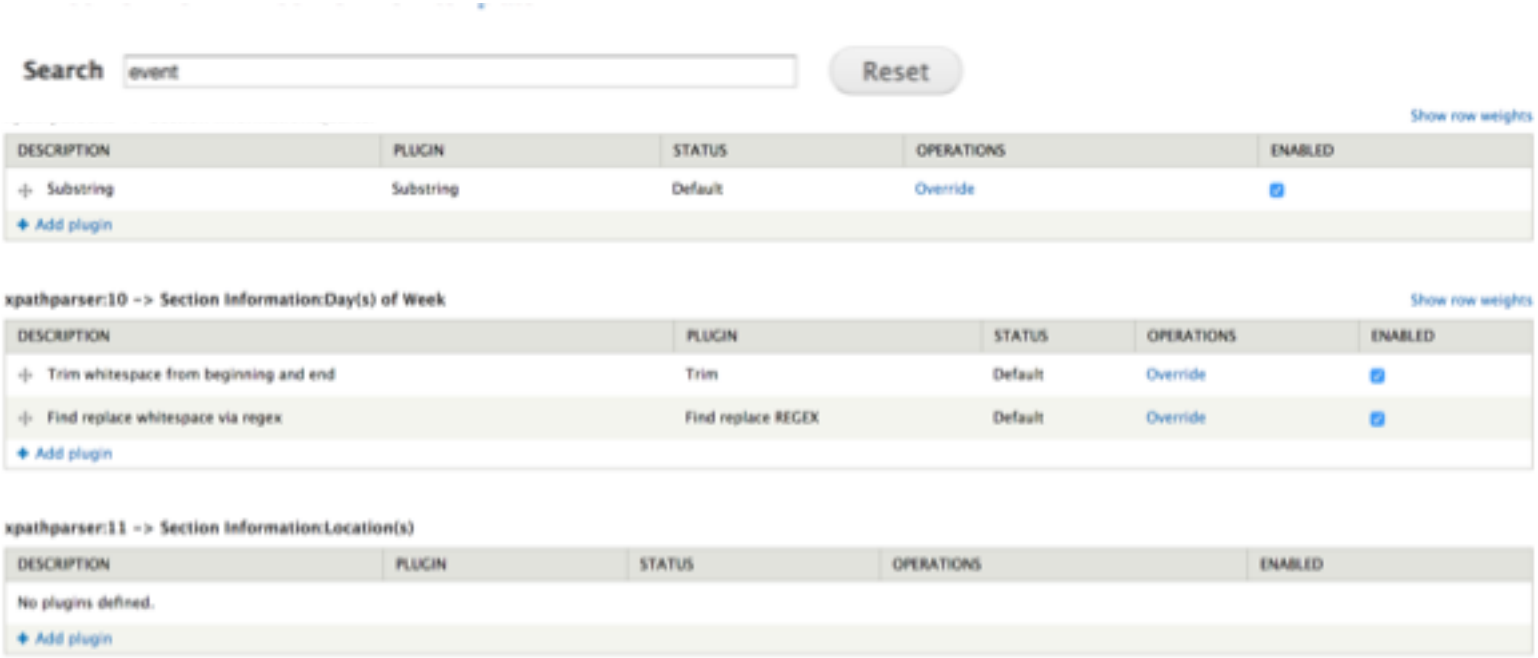
Pre-populate existing source drop down



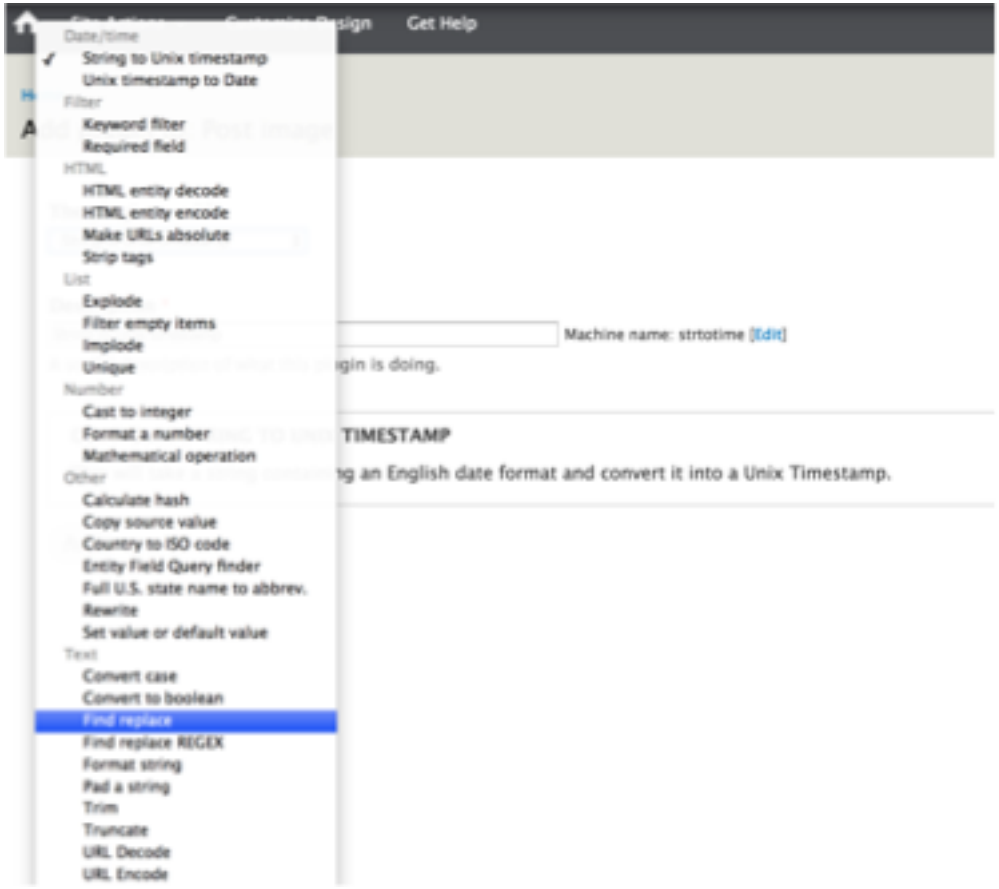
Tampering sources

https://www.drupal.org/project/feeds_migrate/issues/3002362

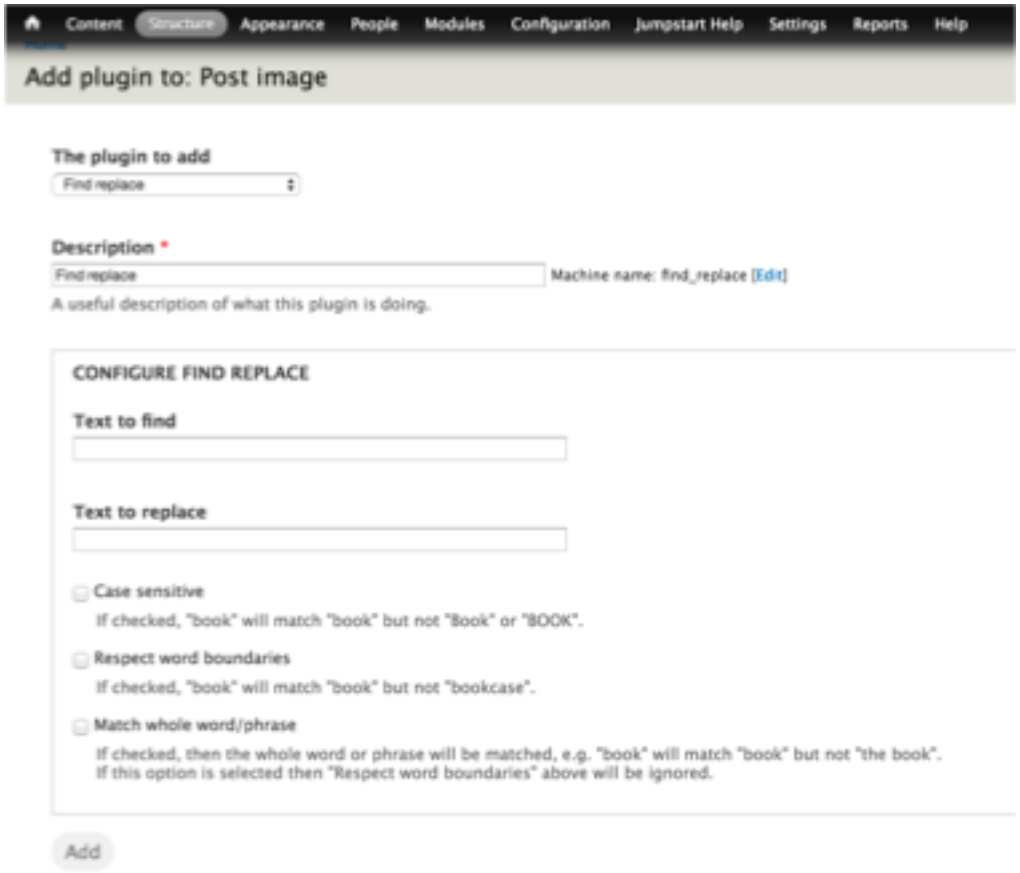
List of Tampers / processors



Adding tamper/process plugin



Configure each plugin with specific settings



Save Feeds Migrate Type -

Now we have configuration with

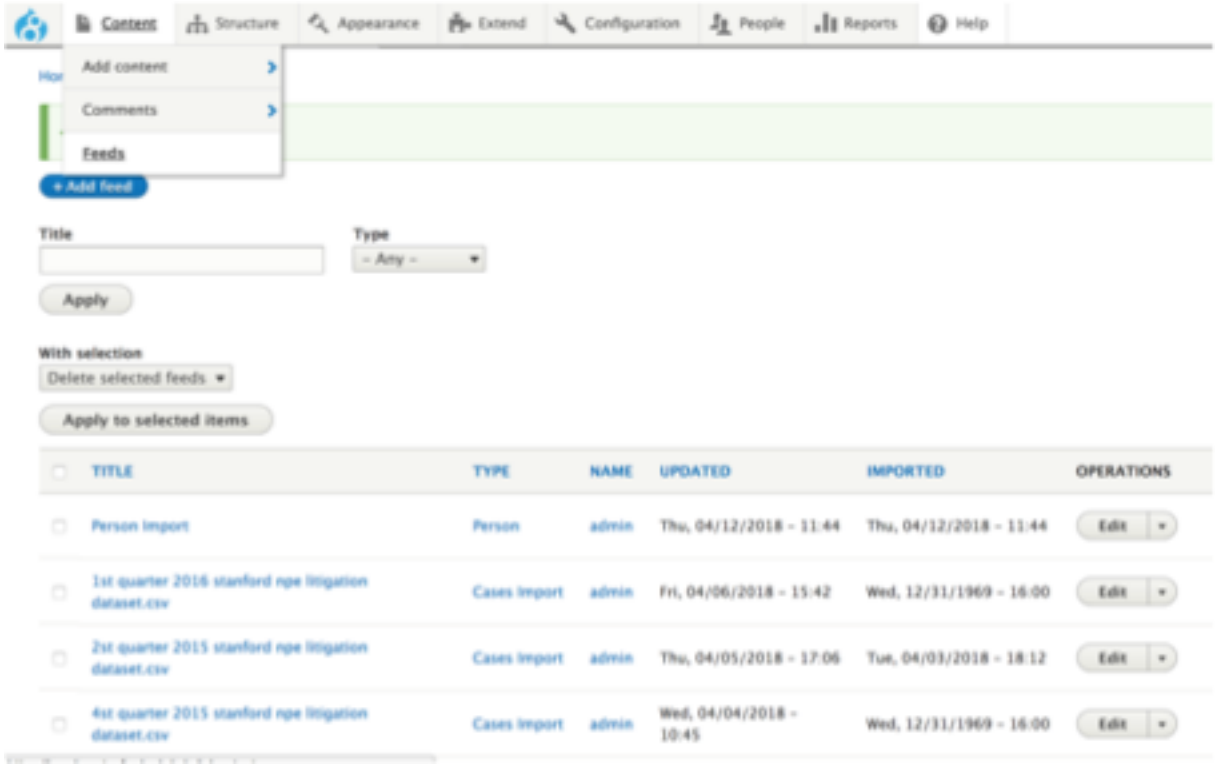
- Fetcher (upload/download/..)
- Processor type (json/xml/csv)
- Named sources mapped to fields in a content type
- Processors

Import actual content
Add Feed – Drupal Content

Run actual import

Add Feed and upload actual import file

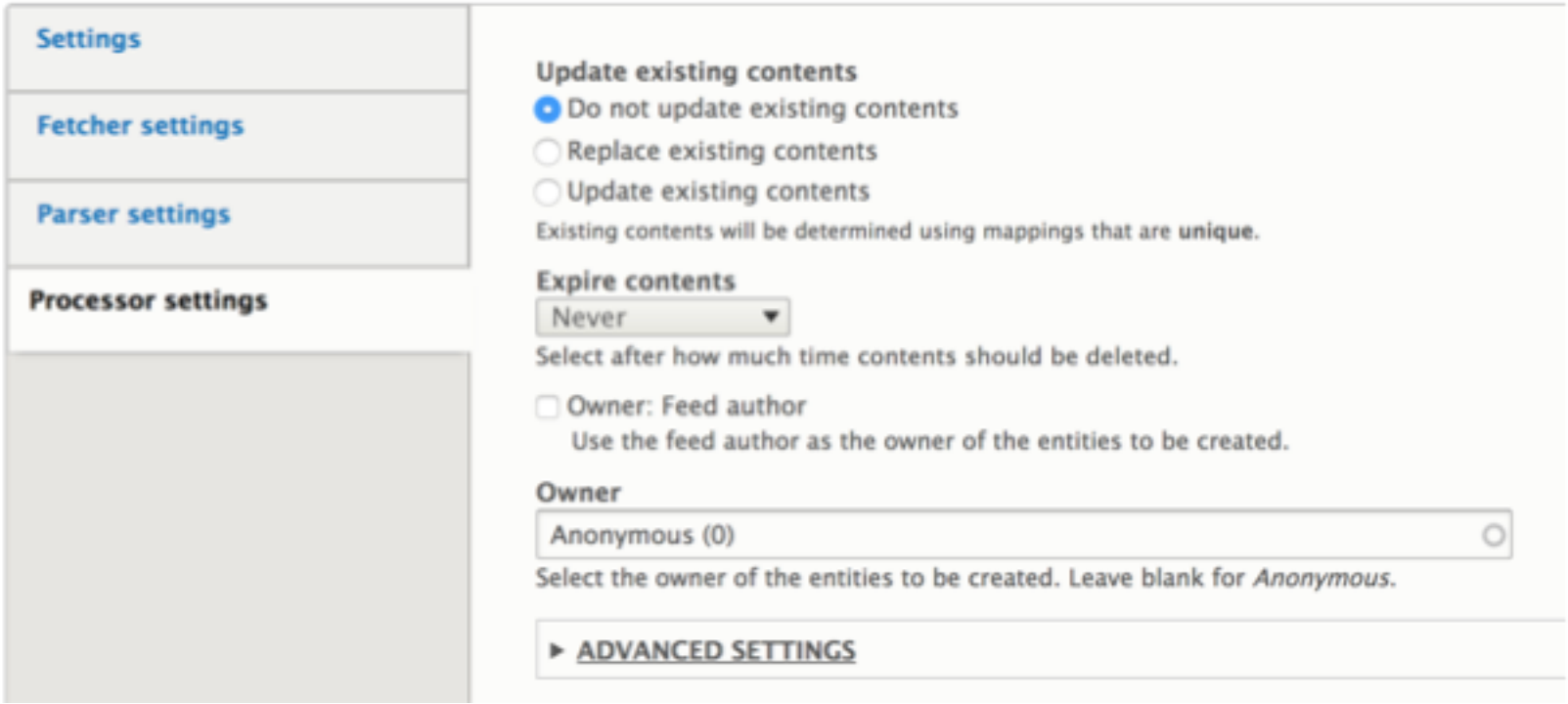
Set unlimited number of different imports/feeds with the same structure



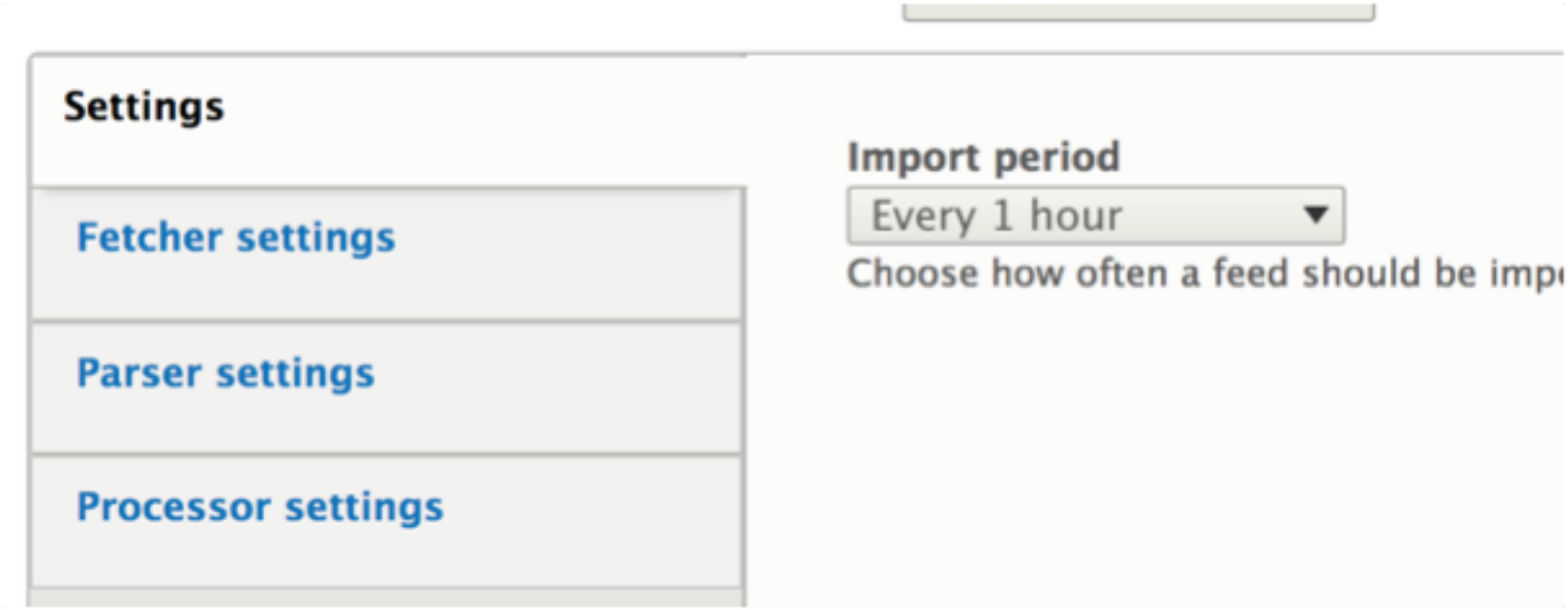
http://dev-feeds8.pantheonsite.io/admin/content/feeds-migrate/importer/add

http://dev-feeds8.pantheonsite.io/admin/content/feeds-migrate

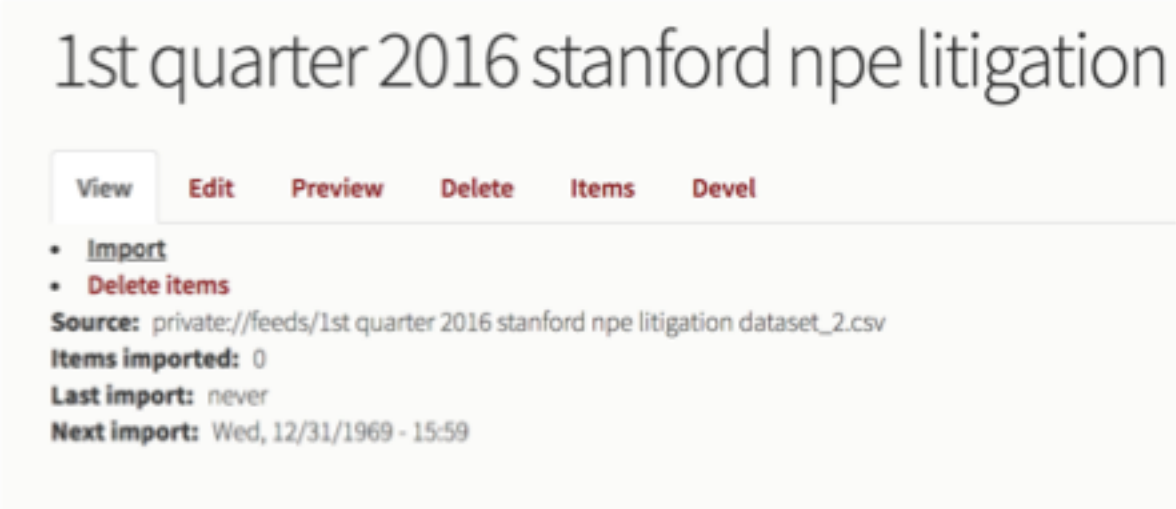
Processor settings



Set periodic import



Delete / rollback imports



Unlock (feeds) = stop+reset (migrate)

Processors for Feeds_Migrate

https://www.drupal.org/project/feeds_migrate/issues/2991199

Why it takes so long?

- Steep learning curve for developers
- Migrate developers ~~do not know~~ need to learn what is end user flow
- Feeds developers ~~do not know~~ need to learn API's and functions of migrate module

Our approach

- Weekly meeetups on Slack channel
- Two workshops for Feed developers with @heddn, Migrate maintainer
- Documented UI for new module

Other presentations

James Dixon @ DUG https://docs.google.com/presentation/d/1yz2mYltrreI9g2XysBr6ZKFSu0XXhFVvSHG8YAE7acU/edit#slide=id.p

Feeds Migrate UI

https://docs.google.com/presentation/d/1Hv8VPh6mD35U2dH2e1HhROKPNkea9GB3BSetX4St5x8/edit#slide=id.g3e2d97c3ca_1_28

Next step – Feeds+Migrate

- Integration of Feeds UI with Migrate engine
- https://www.drupal.org/project/feeds_migrate
  - @MegaChriz + @heddn
- UI and requirements

  https://docs.google.com/presentation/d/1Hv8VPh6mD35U2dH2e1HhROKPNkea9GB3BSetX4St5x8/edit#slide=id.p
- Session @BADcamp on Saturday, Oct 28

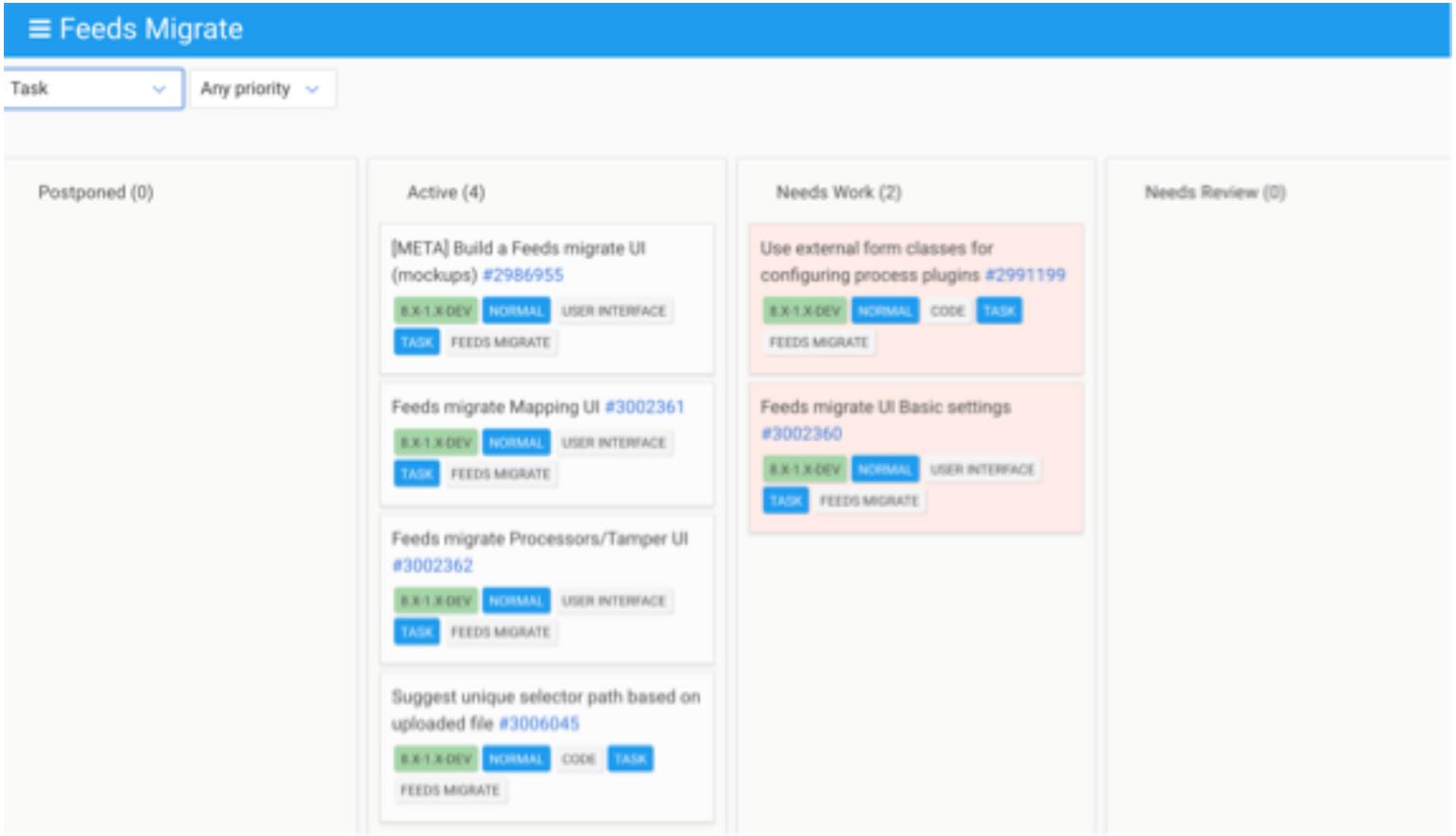
DevOps

Thanks to Pantheon for providing all tools

- Dev / test / multidev instances
- Backups
- Db / files export/import
- Drush

Contribute to Drupal ☺

https://contribkanban.com/board/feeds



Feedback? Questions?

#feeds on Drupal slack.
Office hours Thursday @ 11am Pacific

Get involved! Check out the roadmap on project page:
https://www.drupal.org/project/feeds_migrate

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DialedIn

Thank you!

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