Moving Content into Drupal

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Why?

- Moving from other WCM systems
  - Drupal 5 or 6
  - WordPress
- This is hard – CI/CD, Change, Relationships
- Other uses
  - Integration
  - Building content for a demo

Another way – plain old PHP

- Best use
  - Debugging
- Disadvantages
  - Hard to track dependencies
  - Not accountable to anyone
  - Hard to leverage code

Another way – Feeds module

- Best use
  - Pull content from another WCM, e.g. via RSS
  - Integration that will be continuous
  - We'll use it even after we get going
- Disadvantages
  - Hard to track dependencies
  - Not as accountable

Migrate - Features

- Models source fields

- Database and XML import

- Import users, taxonomies, nodes, e.g. entities

    – What is an entity?

- Track relationships from other migrations

- Accountable to others

- Drush and UI support

Migrate - Architecture

- Write another module
  - .info
  - .migrate.inc
  - .module (not so much)
  - anything else you need...
- Define content types and vocabularies
  - Features
  - .install.inc

Migrate – Architecture 2

- Object Oriented

- Migration has

  – Source

  – Destination

  – Map

  – Field Mappings

migrate/migrate_example

- Good stuff
  - migrate_example.migrate.inc
  - beer.inc
  - wine.inc
- These are confusing
  - migrate_example.install
  - weer.install.inc
  - wine.install.inc
- Let's take a look

Migrate Extras

- Integration
  - Media
  - Pathauto
- Should go away
  - Check module issues
  - For example, Workbench Moderation support

Our First Migration

- Content from
  - http://www.nlm.nih.gov/
  - http://www.nlm.nih.gov/news/newsevents.html
- Let's take a look

Common Problems

- New site is changing

- Old site is Changing (New stuff/Updates)

- Transition from Old to New

- Solutions?
    - CI/CD (Continuous Integration & Deployment)
    - Use Features and git
    - Use Migrate UI for Accountability
    - Use drush for scripting

More specific/code level problems

- What we already saw?

  - callbacks

  - Prepare/prepareRow method

  - Pathauto

- Let's take a look

  - Workbench Moderation

  - Media module Integration

  - Relationships between Migrations

Resources

- Modules
  - Migrate, Migrate Extras, Feeds
- Documentation
  - MigrateDestinationFile
  - File migration
  - Getting Started with Migrate

Code

- Some code from https://github.com/danizen/

  - Code from the demo – migdemo

  - Ruby 1.9.3 to preprocess data – prepmigrate

  - A tool to directly update nodes – drupal-fixup

- Other code to pre-process data

  - Node.js project to harvest data to a CSV and online webapp.   Proprietary code in Drupal Wetkit distribution consumes this in a migration, but you can write your own.

Questions?