

Drupal 6 to 7 Migration

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Meet Webbie the Zombie

Webbie outlines main topics:

1. Undead (cartoon zombie with **tools**)
2. *Audit (magnifying glass)
3. Clean (broom)
4. Practice (target on forehead)



Who here uses...?

Drupal (6,7,8, other)?

Another CMS?

Planning/Implementing a migration?



Undead: Do NOT do it live!

- Frequent, timestamped backups of your files and database
- Always use development, not live site
- During migration, plan a content freeze for live site



Undead Best Practices

- **Tip:** Separate backups for:
 - Core files versus the sites folder, and
 - Database's structure versus the data
- **Tip:** Change name of development's database
- **Tool:** Static Site archive <http://www.httrack.com>
- **Tool:** Static online archive (for small sites)
<http://web.archive.org>
- More information on backing up & migrating:
 - <https://www.drupal.org/node/22281>
 - <https://www.drupal.org/node/333675>



Your Non-Live Best Practices... or Gotchas... or Tools

?



Audit all the Things...and Keep notes



Auditing Rules of Thumb

- Non-custom: Check **version** and **compare** files to out-of-the-box files for that version
 - **Tool:** diff -qr
 - <https://www.unixtutorial.org/2008/06/how-to-compare-directories-in-unix/>
- Take notes on each audit you do (so you don't repeat, and so you will have a plan for changes during migration)
 - **Tool:** Spreadsheets



Audit: Non-Custom Packages

- Library = 3rd party packages (CKEditor)
- Module = Plug-in.
 - Is it *enabled*? **Tool:** drush
drush pm-list --format=csv --status=enabled
<https://drushcommands.com/drush-7x/pm/pm-list/>
 - Note custom modules.
- Theme = Design or Appearance.
 - Note custom templates = hints of special content types or displays



What Else Would You Audit?



Audit: Users

- Users: Accounts, Roles, Permissions
 - **Tool:** Native interface for Administration
/admin/user/user
 - **Tool:** Views Data Export
https://www.drupal.org/project/views_data_export
 - **Tool:** SQL
<https://webdev.iac.gatech.edu/drupal-8-migration>
SELECT u.name, count(*) FROM `node_revisions` nr
LEFT JOIN `users` u ON (u.uid=nr.uid)
GROUP BY nr.uid;
 - **Tool:** drush role-list



Audit: URLs

- Map node ids to URL aliases and redirects
- Absolute vs. relative links (in menus & content)
- Check for broken links & generate site inventory
- **Tool:** Xenu (Windows)
<http://home.snafu.de/tilman/xenulink.html>
- **Tool:** LinkLint (*nix)
<http://www.linklint.org>
- **Tool:** SQL (though may be incomplete)
SELECT src, dst
FROM url_alias;



Audit: Content types

- **Tool:** SQL
SELECT type, COUNT(*)
FROM `node`
GROUP BY type;
- **Tool:** drush eval
drush eval "print_r(array_keys(node_get_types()));"



Audit: Content inventory

- Gather Visitor data from analytics software:
Last visit date and number over semester/year
- **Tool:** Export below data to CSV with Views Data Export module:
 - Node ID
 - Title
 - Published?
 - Updated Date
 - Created date
 - URL alias
 - Author



Audit: Files

- Files can be difficult to inventory if not managed as a separate attachments to a node (such as when images place via a text editor).
- **Tool:** SQL
SELECT *
FROM files
WHERE status = 1;
- **Tool:** Xenu or linklint (find actually used files)
- **Tool:** Command line (file modified and access dates)



Cleanliness = a Sacred Broom

Clean BEFORE you migrate.



Clean your R.O.T. & Prioritize

- Redundant
- Outdated
- Trivial (Analytics helpful data)



What/How would you clean?



Clean: Modules, Libraries & Themes

- Remove Disabled
- Remove Unused
- Note customizations & their importance



Clean: Users & Content

- **Tool:** Admin Views
https://www.drupal.org/project/admin_views
- Use earlier content inventories to evaluate for R.O.T.
- Prioritize (using Analytics and Inventory) which content to perform more detailed quality assurance upon.



Clean: Links and Files

- **Tool:** Use SQL to *replace* updated file paths within content

<http://adellefrank.com/blog/how-to-replace-html-drupal-database-phpmyadmin-sql>

- **Tool:** Xenu and Linklink (fix broken links)
- Remove non-used files found in your earlier inventory



Practice and Plan

- Batch importing XML files from Views Data Export saves memory (for Feeds).
- Advertise your content freeze greatly in advance.
- You should not need to do it live, 2 zombie sites will be safer.
- Test migration multiple times.
- Migrate dependent content first (authors before pages).



Plan and Practice Ideas?



Comments, Questions, Zombie Jokes?

