Drupal 6 to 7 Migration

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Meet Webbie the Zombie

Webbie outlines main topics:

- 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)?

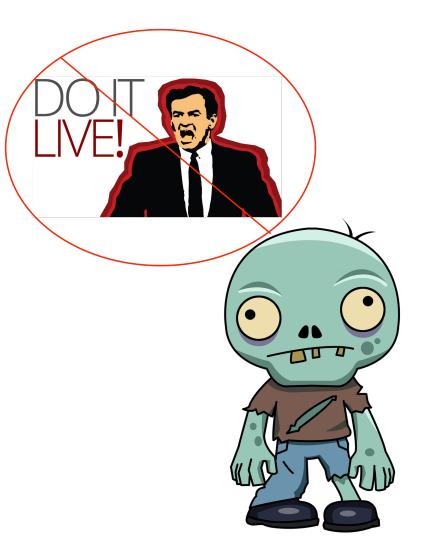
Another CMS?

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 <u>structure</u> versus the <u>data</u>
- 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

- <u>Library</u> = 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.
- <u>Theme</u> = 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 <u>analytics software</u>: Last visit date and number over semester/year
- Tool: Export below data to CSV with <u>Views Data</u> <u>Export module</u>:
 - 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 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 <u>http://adellefrank.com/blog/how-to-replace-html-drupal-database-phpmyadmin-sql</u>
- 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?



