How to accomplish in D8 what you used to do in D7

Ease your transition into Drupal 8.

DrupalCamp Atlanta

Jitesh Doshi, SpinSpire
@spinspire_com

spinspire

Motivation

- You are a D7 practitioner who is starting out with D8
- Things have changed drastically from D7 to D8
- You need to skill up quickly …
- … and learn a few new tricks along the way

Agenda

- What's different
- Setting up a new D8 project
- New and replacement modules in D8
- Configuration Management
- Coding changes for developers
- Migrating to and importing data into D8

spinspire

- SpinSpire is a Drupal focused company.
- All developers located in Jacksonville, Florida.
- Contributed modules: popular_tags & prlp.
- Clients such as Nike, Florida Blue and Federal Govt.
- Visit https://spinspire.com/

User facing changes from D7 to D8

- All core themes are based on responsive design.
- Responsive images
- BigPipe improves perceived page loading speed.
- Rich Text (WYSIWYG) editor (CKEditor) in core
- New 2-column layout of node edit form

spinspire

Site builder facing changes from D7 to D8

- Configuration Management (CMI)
- Migrate in core (and everywhere!)
- Views in core
- Layouts in core (for flexible layouts for DS/Panels/etc)
- Blocks/files/contact forms are fieldable entities
-

spinspire

Developer facing changes from D7 to D8

- Procedural -> OOP, Symfony, ...
- Tons of hooks -> (fewer) hooks + plugins + services etc.
- Theming: PHP template -> TWIG
- Plain JS/CSS files -> libraries
- Tons of code -> code + mostly YAML configuration
- module_load_include -> OOP+namespace+autoloader
-

spinspire

Developer facing changes from D7 to D8

- Drush is still going strong.
- Drupal Console can replace Drush, plus generate code.
- Composer for all package dependency management
- Exportable (and thus versionable) config
- Config defaults in code -> /config/install/*.yml
-

Starting Drupal 8 project the right way

- Use [composer create-project](#) to start your D8 project
- Project root !== web root
- Install Drupal (/core/install.php)
- Split settings.php into settings.local.php
- Use developer.services.yml
- Export config to config/sync with `drush cex`
- `git commit -m'Initial commit'`

The essentials ...

- composer require drush/drush drupal/console
- ./vendor/bin/drush ...
- ./vendor/bin/drupal ...
- composer require drupal/admin_toolbar
- drush -y en admin_toolbar_tools
- composer require drupal/pathauto
- drush -y en pathauto
- composer require drupal/devel
- drush -y en devel,devel_generate

spinspire

Must have module: paragraphs

- Most flexible way to replace HTML text blob fields (body) with strongly typed, structured data
- You can add a multi-value paragraphs field instead of or in addition to your 'body' field
- Each value in it can be a of different paragraph bundle
- Great addon: bootstrap_paragraphs
- Demo ...

Must have module: webform

- Insanely great total rewrite of an already great D7 module
- Amazing set of new element types
- Backend processing: send email + POST to whatever
- Manage elements in UI or directly in YAML
- Just watch [this](#) ...

spinspire

Must have module: media

- Switch from files to media entities
- Add fields and manage display
- Use media browsers for uploading/selecting
- Use 'embed' to add them to your content

Must have module: embed

- Embed entities into your content
- Nodes in node bodies: referenced by UUID
- Media in node bodies: referenced by media ID
- Tweets/YouTube Videos/etc using OEmbed

Migrating to and importing data into D8

- Core: migrate, migrate_drupal, migrate_drupal_ui
- Contrib: migrate_plus, migrate_tools, migrate_upgrade
- Also: migrate_source_csv, migrate_spreadsheet
- Write a [migration YAML](#) file
- Run with `drush ms/mi/mr` etc.
- Demo …

For More Information

- Screencast Video: TBD
- Email: jitesh@spinspire.com
- Follow @spinspire_com
- Visit spinspire.com
- Visit youtube.com/spinspire

Questions?