

Migrating into Drupal 8

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What is migrate?

- A collection of templates to process data that gets inserted into a new Drupal site
- Tools that handle the import process allowing easy rollbacks, partial imports, etc.

The original “drupal-to-drupal” templates

- Were built for Drupal 7
- Package of templates that included support for most core components of D5, D6 and D7
- Extendable through OOP
- Cited as a prototype of alternative upgrade path

Migrate is now in core! (goodbye upgrading)

- Upgrade system has been dropped. Important data transformations now all happen during migration
- Skipping over core versions is now built-in and will be supported
- All core elements are to be supported
- Probably not 100% there in 8.0.0, expect it to be feature complete near 8.1.x or 8.2.x

The Swan Song of Drupal 6

- With the release of Drupal 8 support for D6 will stop*
- Priority has been to get D6→D8 path built-in
- Clients will finally get major version updates for free

*maybe not

What do you mean, *for free* ?!!%!??

- Everything supported in D8 core will get pulled in from D6 (even from contrib)
 - Configuration: yes (new!)
 - Content: yes (imports i18n too)
 - in total over 80 built-in migrations.
- Supported themes will even get blocks mapped to the correct regions

What will need customization?

- Only custom entities will need porting
- Data cleanup tasks (housekeeping)
- Adapting to your new fancy layouts

How will customizations be implemented?

- Most things can be handled in the new hook
 - reject items you don't want to import
 - remove problem text and artifacts from weird modules
 - move things around in themes
 - populate unsupported fields without need
- Custom entities / “handlers” will go into a D8 plugin

How it works! Let's migrate

- Install Drupal 8 on host with access to your D6 database
- Enable the core modules that will be necessary for your site (translation support, aggregator, etc)
- Enable migrate and migrate_drupal modules
- Clone the “imp sandbox” version of D8 (until DrupalCon Austin) to get the UI :
<https://drupal.org/sandbox/chx/2105305>
- Get patch <https://drupal.org/node/2181775>

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Extend | mojito

mojito/imp/admin/modules

DuckDuckGo

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Extend

List Uninstall

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Download additional [contributed modules](#) to extend Drupal's functionality.

Regularly review available updates to maintain a secure and current site. Always run the [update script](#) each time a module is updated. Enable the Update Manager module to update and install modules and themes.

Search

▼ CORE

NAME	DESCRIPTION
<input checked="" type="checkbox"/> Migrate	▶ Handles migrations
<input checked="" type="checkbox"/> Migrate Drupal	▶ Contains migrations from older Drupal versions.

The migration runner

- Go to /upgrade
- Input database credentials for the D6 site
- Put an http path where migration can find public files
- Filesystem path for private files
- *Go!*

Upgrade step 1: Source site information

[Home](#)

▼ DATABASE

Enter the database credentials for the legacy Drupal site you are upgrading into this Drupal 8 instance:

Database type*

- MySQL, MariaDB, Percona Server, or equivalent
- SQLite

Database name*

d6

Database username*

d6

Database password

▶ ADVANCED OPTIONS

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mojito/imp/upgrade

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d6

Database username*

d6

Database password

▶ **ADVANCED OPTIONS**

▼ **FILES**

Source site address

http://mojito/d6

Enter the address of your current Drupal site (e.g. "http://www.example.com"). This address will be used to retrieve any public files from the site.

Private file directory

If you have private files on your current Drupal site which you want imported, please copy the complete private file directory to a place accessible by your new Drupal 8 web server. Enter the address of the directory (e.g., "/home/legacy_files/private" or "http://private.example.com/legacy_files/private") here.

Next

Run, migrate, run!

- Grouped into two types: config and content
 - config runs first (need to create content types, etc first), then imports content
- PrepareRow hook runs after load and before write



Home

Imported Drupal 6 global field coninstance configuration



Upgrade step 3: Import content

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- ✓ Configuration import complete.
- 46 migrations succeeded
- 15 migrations failed
- [Review the detailed migration log](#)

We will now import content, including any nodes, comments, users, and taxonomy terms, from the Drupal 6 version of your site into this new Drupal 8 site.

Import content



multilingual d6

the translated content of yesteryear

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Tools

[Add content](#)

Upgrade log

Message	Timestamp
Import of Drupal 6 vocabulary display configuration failed	05/02/2014 - 16:37
Import of Drupal 6 vocabulary form display configuration failed	05/02/2014 - 16:37
Imported Drupal 6 contact configuration	05/02/2014 - 16:37
Import of Drupal 6 vocabulary field configuration failed	05/02/2014 - 16:37
Import of Drupal 6 vocabulary field instance configuration failed	05/02/2014 - 16:37
Imported Drupal 6 user picture form display configuration	05/02/2014 - 16:37



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Imported Drupal 6 user accounts





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the translated content of yesteryear

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✓ Content import complete.
9 migrations succeeded
9 migrations failed
[Review the detailed migration log](#)
Congratulations, you upgraded Drupal!

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Frontpage English

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<input type="checkbox"/>	TITLE	CONTENT TYPE	AUTHOR	STATUS	UPDATED	OPERATIONS
<input type="checkbox"/>	Default language / Language neutral	Page	Ryan	Published	05/02/2014 - 16:38	Edit ▾
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<input type="checkbox"/>	French 2	Page	Ryan	Published	05/02/2014 - 16:38	Edit ▾
<input type="checkbox"/>	Frontpage English	Page	Ryan	Published	05/02/2014 - 16:38	Edit ▾
<input type="checkbox"/>	Frontpage French	Page	Ryan	Published	05/02/2014 - 16:38	Edit ▾

Apply

To drush, or not to drush?

- Historically there has been a recommendation to use drush
- Officially we must support the UI now, 100%
- It is still possible to use command line
 - Until April 2014 it was really the only way

Doing it with drush

- manifest.yml in the root
 - d6_user_role
 - d6_user
 - d6_filter_format
 - d6_locale_settings
 - d6_language_negotiation
 - d6_language_types
 - d6_language
 - # see core/modules/migrate_drupal/migrate.config.yml
 - # and core/modules/migrate_drupal/migrate.content.yml
- drush migrate-manifest mysql://d6@localhost/d6 manifest.yml

How to use the customization hook

```
/**
```

- * Allows adding data to a row before processing it.
- * For example, filter module used to store filter format settings in the
- * variables table which now needs to be inside the filter format config
- * file. So, it needs to be added here.

```
*
```

- * hook_migrate_MIGRATION_ID_prepare_row is also available.

```
*/
```

```
function hook_migrate_prepare_row(Row $row, MigrateSourceInterface $source,  
MigrationInterface $migration) {}
```

What still needs some polish

- i18n support is incomplete but in-progress
- Templates need to be created for D8→D8 and D7→D8
- Rollbacks, incremental, other advanced migrate features
- ***EXPECT*** to re-migrate when the final version of migrate-in-core is ready (8.1? 8.2?)

Getting involved

- Join <http://groups.drupal.org/imp>
- Chat on IRC in #drupal-migrate (freenode.net)
- Participate in weekly G+ hangout for progress updates at 18h00 (6pm) EDT (-0400) every Thursday
- Create plugins for your custom contrib entities
- Test, test, test! Run against your most complex sites. Report problems.

Issues are logged in two places

- The sandbox :
<https://drupal.org/project/issues/2105305>
 - Bigger components not-yet-in-core
 - Currently focused on UI, D7 templates, etc.
- The firehose (core) :
<https://drupal.org/project/issues/drupal>
 - Migration runner
 - D6→D8 issues, particularly i18n

Issues for Drupal core

[Login](#) or [register](#) to create an issue [Advanced search](#)

Search for

Log in to search.

Status

Priority

Category

Version

Component

Summary	Status	Priority	Category	Version	Component	Replies	Last updated	Assigned to	Created
d6_block migration not migrating all blocks	Reviewed & tested by the community	Normal	Bug report	8.x-dev	migration system	28	8 hours 29 min		1 week 8 hours
Refactor Dump classes in migrate_drupal	Needs review	Normal	Task	8.x-dev	migration system	6	1 day 20 hours		3 days 17 hours
Migrate in Core: Drupal 6 to Drupal 8	Fixed	Major	Task	8.x-dev	migration system	42	3 days 17 hours	alexpott	6 months 1 week
for migrations when would time not be in units of seconds	Active	Minor	Task	8.x-dev	migration system	1	3 days 19 hours		3 months 2 weeks
Remove spacing issue in config/*.yml	Reviewed & tested by the community	Minor	Bug report	8.x-dev	migration system	7	4 days 51 min		1 month 2 weeks
					migration		4 days 16		1 week 2

Multilingual migrate

- If you use multilingual, *test, test, test!*
- My blog post from NYCcamp will get you started with importing multilingual data:

<http://www.verbosity.ca/migrating-multilingual-data->

Things to keep in mind

- Migrate path to D8 will not likely be official until 8.1.x or 8.2.x
- You may need to re-migrate at the drop of a hat until then
- Sites that have been upgraded multiple times have riskiest (potentially corrupted) data, please test these as much as possible

Questions ?

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