



FLORIDA DRUPALCAMP 2015

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Writing a Custom Migration Plugin for Drupal 8

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Whoa!



Work in Progress



- **This entire presentation is a work-in-progress.**
- **Even the sample code is a work-in-progress.**
- **Getting ready for DrupalCon Los Angeles**

D8 Migration Background



- **The Migrate and Drupal-to-Drupal Data Migration modules have been rewritten and moved into Drupal 8 core.**
- **Their scope has been expanded to support migration of content and configuration.**

D8 Migration Background



core/modules/migrate
core/modules/migrate_drupal

D8 Migration Background



- **Most of the D6->D8 migration work is done - some bugs remain.**
- **The D7->D8 migration work is just getting started.**
- **The migration UI is not yet in core.**
- **Rollbacks and other advanced features not yet in core.**

D8 Migration Background



We need help!

#drupal-migrate

Sprint tomorrow!

D8 Migration Background



- **The best part: D8 migrations are extensible.**
- **Contrib/custom module authors will be able to provide migration support for the data their module manages.**
- **Leverages standard D8 plugins.**

Custom Migration Plugins Types?



- **Variable migrations**
- **Field migrations**
- **Other migrations**

Custom Migration Plugins Types?



- ~~Variable migrations~~
- Field migrations
- ~~Other migrations~~

D6 iFrame module



- <https://drupal.org/project/iframe>

D6 iFrame module



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Iframe

View Version control Revisions Automated Testing

Posted by [neffets](#) on August 20, 2008 at 7:43pm

A CCK content field which lets you add a complete iframe to your content types; including Src-URL, setting width and height, optionally a title above, and optionally a target attribute.

Requires the content module (CCK).

The module iframe ist based upon project [Link by quicksketch](#)

The iframe module provides a content "field" type for CCK. It provides three fields to an authorized user:

- Src-URL (textfield)
- Width of iframe (textfield), allowed: numbers (in px, without "px") btw. percents (e.g. "70%")
- Height of iframe (textfield), dito
- Title (textfield), optionally
- Attributes for "frameborder" and "scrolling" (selects)

"Title" can be optionally enabled or disabled when setting up the content field.

Maintainers for Iframe

[neffets](#) - 65 commits
last: 2 days ago, first: 6 years ago

[View all committers](#)
[View commits](#)

Issues for Iframe

To avoid duplicates, please search before submitting a new issue.

Search

[Advanced search](#)

All issues
9 open, 80 total

D6 iFrame module



Home > Administer > Content management > Story

Story Edit **Manage fields** Display fields

Add fields and groups to the content type, and arrange them on content display and input forms.
Note: Installing the [Advanced help](#) module will let you access more and better help.

Label	Name	Type	Operations
+ iFrame *	field_iframe	IFrame	Configure Remove
+ Title	Node module form.		
+ Menu settings	Menu module form.		

D6 iFrame module



Home


iframe test 1 [View](#) [Edit](#)

Fri, 04/10/2015 - 13:19 — admin

I'm just a little test!

iFrame:
DrupalEasy


Content management Site building Site configuration Messaging & Notifications 9 / 1 Log out ultimike
Store administration User management Reports Advanced help Help

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DrupalEasy develops and executes t

D6 iFrame module



iFrame Title:

iFrame URL:

Width and Height of the IFrame

Width:

Height:

Frameborder:

Frameborder is the border around the iframe. Mostly people want it silent, so the default value for frameborder is 0.

Scrolling:

Scrollbars help the user to reach all iframe content despite the real height of the iframe content. Please disable it only if You know what You are doing.

Transparency:

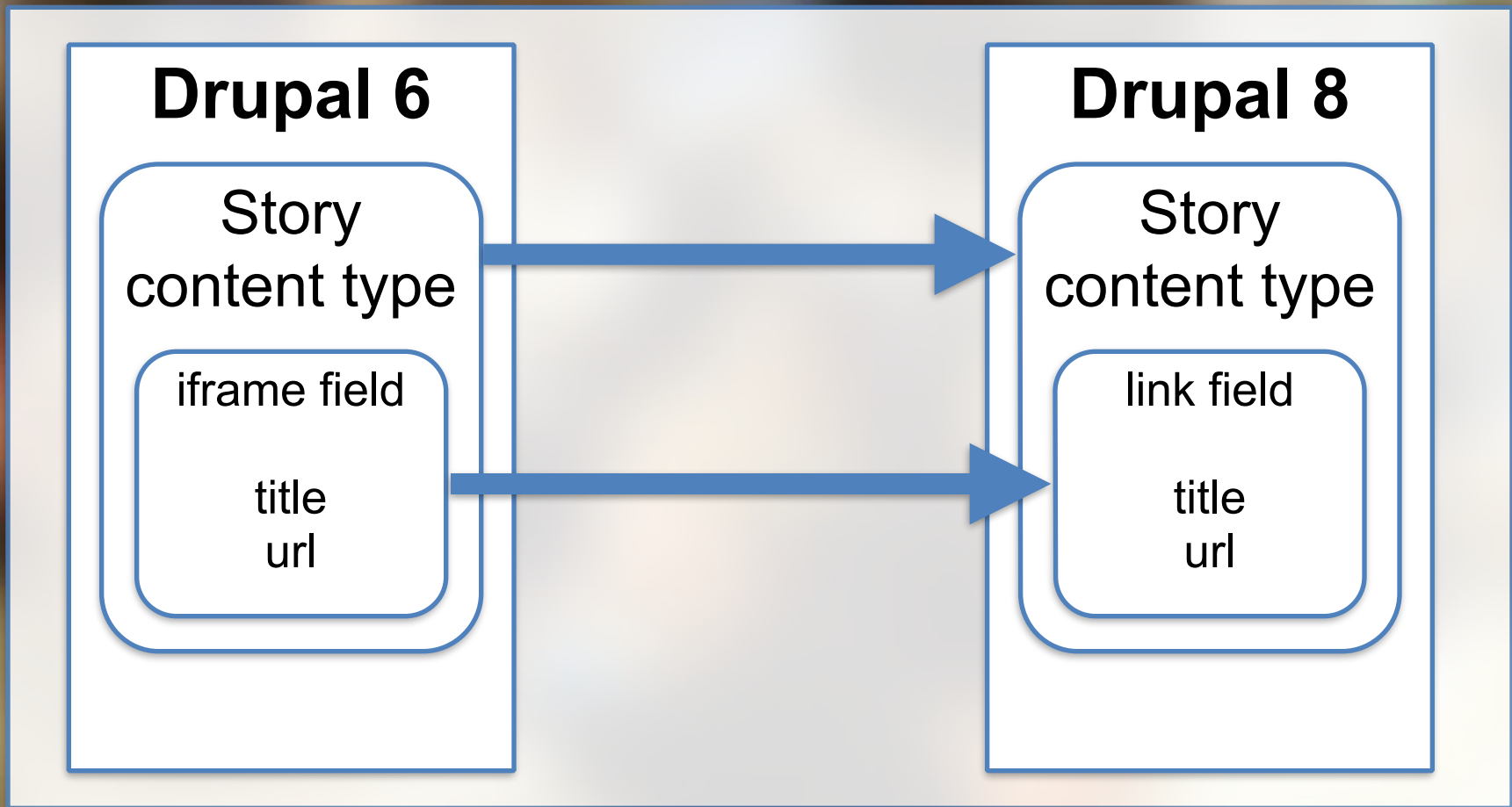
Allow transparency per CSS in the outer iframe tag. You have to set background-color:transparent in Your IFrame too for the body tag!

Task



- **Are we going to port this module to D8?**
- **Instead, for this example, we will migrate the iframe title and url from D6 to a Link field title and url in D8.**
- **Then, in the future (another presentation?) we can create a custom formatter for the Link field...**

Task



Go!



Post migration results



Manage fields

Edit

Manage fields

Manage form display

Manage display

[Home](#) » [Administration](#) » [Structure](#) » [Content types](#) » [Story](#)

[+ Add field](#)

LABEL	MACHINE NAME	FIELD TYPE	OPERATIONS
Body	body	Text (formatted, long, with summary)	Edit ▼
iFrame	field_iframe	Link	Edit ▼

Post migration results



Post migration results



Edit Story iframe test 1 ☆

View

Edit

Delete

Home » [iframe test 1](#)

Title *

iframe test 1

iFrame

URL

Start typing the title of a piece of content to select it. You can also enter an internal path such as `/node/add` or an external URL such as `http://example.com`. Enter `<front>` to link to the front page.

Link text

Summary (Hide summary)

I'm just a little test!

Published

Last saved: 04/10/2015 - 20:00

Author: admin

Create new revision

▶ MENU SETTINGS

▶ URL PATH SETTINGS

▶ AUTHORING INFORMATION

▶ PROMOTION OPTIONS

Post migration results



Sample code walkthrough



- <https://www.drupal.org/sandbox/benjy/2422307>

Sample code walkthrough



- `Drupal\iframe\Plugin\migrate\cckfield\iframeField`
- extends `CckFieldPluginBase`
- `processField()`
- `processFieldWidget()`
- `getFieldFormatterMap()`
- `processCckFieldValues()`

Sample code walkthrough



- `Drupal\iframe\Plugin\migrate\process\iframeField`
- extends `ProcessPluginBase`
- `transform()`

Sample code walkthrough



- `Drupal\iframe\Tests\MigrateIFrameTest`
- extends `MigrateDrupalTestBase`
- `setup()`
- `testIframeField()`

What's Next?



- **Fix the bugs in the sample code.**
- **Document the sample code.**
- **Repeat the sample code for a different field.**
- **Write documentation for module developers.**