

The background features a large, light gray watermark of the Stanford University seal. The seal is circular and contains the text "Leland Stanford Junior University" around the top edge, "1891" at the bottom, and the motto "LUFT DER FREIHEIT" in the center. In the middle of the seal is a redwood tree on a hillside.

# Custom Content Types

2013 STANFORD DRUPAL CAMP

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# Agenda

## WHAT IS A CONTENT TYPE?

- Default Content types

## WHY WOULD YOU NEED A CUSTOM CONTENT TYPE?

## EDIT YOUR CONTENT TYPE

- Manage fields
- Manage display
- Manage form

## CUSTOMIZE YOUR CONTENT TYPES

- Add a new Content type
- Add new field
- Add existing field

# What is a Content Type?

## STRUCTURE > CONTENT TYPES

[+ Add content type](#)

NAME	OPERATIONS
<b>Article</b> (Machine name: <code>article</code> ) Use <i>articles</i> for time-sensitive content like news, press releases or blog posts.	<a href="#">edit</a> <a href="#">manage fields</a> <a href="#">manage display</a> <a href="#">delete</a>
<b>Basic page</b> (Machine name: <code>page</code> ) Use <i>basic pages</i> for your static content, such as an 'About us' page.	<a href="#">edit</a> <a href="#">manage fields</a> <a href="#">manage display</a> <a href="#">delete</a>

- Default Content types: Article and Basic page
- Pre-defined set of data types (fields) which relate to each other

# Why would you need a custom Content Type?

## STRUCTURE > CONTENT TYPES

- Collect structured data
- Custom template/form to help you collect “correct” data
- Custom views based on your Content type

## EXAMPLE CONTENT TYPE AND ITS FIELDS

### DRUPAL CAMP SESSIONS

- Presentation title
- Date
- Time
- Presentation description
- Presenter name
- Link to PDF file
- Interested audiences (e.g., beginner, intermediate, advanced)

# Edit your Content Type

STRUCTURE > CONTENT TYPES > ARTICLE

## Name \*

Machine name: article [\[Edit\]](#)

The human-readable name of this content type. This text will be displayed as part of the list on the *Add new content* page. It is recommended that this name begin with a capital letter and contain only letters, numbers, and spaces. This name must be unique.

## Description

Use `<em>articles</em>` for time-sensitive content like news, press releases or blog posts.

Describe this content type. The text will be displayed on the *Add new content* page.





# Manage fields

STRUCTURE > CONTENT TYPES > ARTICLE > MANAGE FIELDS

LABEL	MACHINE NAME	FIELD	WIDGET	OPERATIONS	
+ Title	title	Node module element			
+ Tags	field_tags	<a href="#">Term reference</a>	<a href="#">Autocomplete term widget (tagging)</a>	<a href="#">edit</a>	<a href="#">delete</a>
+ Image	field_image	<a href="#">Image</a>	<a href="#">Image</a>	<a href="#">edit</a>	<a href="#">delete</a>
+ URL path settings	path	Path module form elements			
+ Body	body	<a href="#">Long text and summary</a>	<a href="#">Text area with a summary</a>	<a href="#">edit</a>	<a href="#">delete</a>
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>+ <b>Add new field</b></p> <input style="width: 100px; height: 20px;" type="text"/>  <small>Label</small> </div> <div style="margin-right: 20px;"> <input style="width: 150px; height: 25px;" type="text" value="- Select a field type -"/>  <small>Type of data to store.</small> </div> <div> <input style="width: 150px; height: 25px;" type="text" value="- Select a widget -"/>  <small>Form element to edit the data.</small> </div> </div>					

# Manage display

STRUCTURE > CONTENT TYPES > ARTICLE > MANAGE DISPLAY

FIELD	LABEL	FORMAT	
 Image	<input type="text" value="&lt;Hidden&gt;"/>	<input type="text" value="Image"/>	Image style: large 
 Body	<input type="text" value="&lt;Hidden&gt;"/>	<input type="text" value="Default"/>	
 Tags	<input type="text" value="Above"/>	<input type="text" value="Link"/>	
<b>Hidden</b>			
<i>No field is hidden.</i>			

- Customize what is displayed on your website
- Show/hide the field label
- Format fields
- Hide the entire field

# Manage form

STRUCTURE > CONTENT TYPES > ARTICLE > MANAGE FORM

FIELD	OPTIONS	REGION
<b>Main column</b>		
+ Title		Main column ▾
+ Tags	<input type="checkbox"/> Hide	Main column ▾
+ Image	<input type="checkbox"/> Hide	Main column ▾
+ Body	<input type="checkbox"/> Hide	Main column ▾
+ Vertical tabs	<input type="checkbox"/> Hide	Main column ▾
+ Save	<input type="checkbox"/> Hide	Main column ▾
<b>Right</b>		
<i>No fields in this region</i>		
<b>Footer</b>		
<i>No fields in this region</i>		

- Enable Node form columns module
- Customize your editing web form
- Change the field order
- Change the display region



# Add a new Content type

STRUCTURE > CONTENT TYPES > ARTICLE

- Name
- Description
- Title
- Publishing options
- Display settings
- Comment settings
- Menu settings

<b>Automatic title generation</b> Disabled
<b>Submission form settings</b> Title
<b>Publishing options</b> Published , Promoted to front page
<b>Display settings</b> Display author and date information.
<b>Comment settings</b> Open, Threading , 50 comments per page
<b>Menu settings</b>

# Add new field

STRUCTURE > CONTENT TYPES > ARTICLE > MANAGE FIELDS

+

**Add new field**

Label

Save

- Select a field type -

- Select a field type -
- Boolean
- Date
- Date (ISO format)
- Date (Unix timestamp)
- Decimal
- Email
- File
- Float
- Image
- Integer
- Link
- List (float)
- List (integer)
- List (text)
- Long text
- Long text and summary
- Term reference
- Text

- Select a widget -

Form element to edit the data.

- Choose a field type based on the type of date you will be collecting
- Widget choice is based on the type of field you select

# Field types

STRUCTURE > CONTENT TYPES > ARTICLE

[HTTP://DRUPALLADDER.ORG/LESSON/FDF6CDF3-2FBB-67E4-E971-40A99E6370A5](http://drupaladder.org/lesson/fdf6cdf3-2fbb-67e4-e971-40a99e6370a5)

- Boolean: Allows users to choose one of two options, using either radio buttons or an on/off checkbox.
- Decimal: Allows exact decimal values.
- File: Allows users to upload a file (note that there's a separate field type for images). It's useful if you want to attach a document, such as a PDF.
- Float: Allows floating-point values. Floating-point values represent approximate decimal values.
- Image: Allows users to upload images and attach them to the node. These images could be displayed in their raw form, hidden and then inserted into the body using the Insert module, or hidden and called using a node template. This field is extremely flexible and can be tailored to your needs.
- Integer: Allows users to enter whole numbers, such as years (e.g. 2012) or values (e.g. 1, 2, 5, 305). It does not allow decimals.
- List (float): Allows floating-point values from a predefined list. Floating-point values represent approximate decimal values.
- List (integer): Allows whole number values from a predefined list.
- List (text): Allows text values from a predefined list.
- Long text: Allows users to enter chunks of text in a textarea field with multiple rows, with no summary option (see below).
- Long text and summary: Allows users to enter chunks of text in a textarea field with multiple rows, with an option to enter a summary, or brief excerpt that describes the text. This could be used if you were creating a blog with short excerpts on the index page - the post itself would be in the long text field, and the brief excerpt that displayed on the index page would be pulled from the summary field.
- Term reference: Links the node to a vocabulary. After this is added, tags from this vocabulary can be selected on each node that uses this content type.
- Text: Allows users to enter text in short, row-less fields. This is ideal for small phrases, since long sentences can't be seen in the small text field.

# Add an existing field

STRUCTURE > CONTENT TYPES > BASIC PAGE > MANAGE FIELDS

⊕ Add existing field

Label

Field to share

Form element to edit the data.

- Choose an existing field from another Content Type which you want to share data
- Widget choice is based on the type of field you select

# Super helpful Modules to enable!

## MODULES

- Link
- Insert
- Date pop-up
- Taxonomy Manager
- CSS Injector
- Block class
- And lots more...

# Questions and Where to go Next

## DRUPAL CAMP SESSIONS

- <http://drupalcamp.stanford.edu/sessions/schedule>

## STANFORD WEB SERVICES

- <http://webservices.stanford.edu>
- <http://swsblog.stanford.edu>

## OTHER CAMPUS RESOURCES

- <http://techtraining.stanford.edu>
- [drupallers@lists.stanford.edu](mailto:drupallers@lists.stanford.edu)

*Thanks for coming!*



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