DrupalEasy.com Podcast

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iTunes reviews welcome!

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Web Developer
Podcaster / Blogger
Trainer / Mentor
Community Builder
Tummeler (noisemaker)

1 The good old days

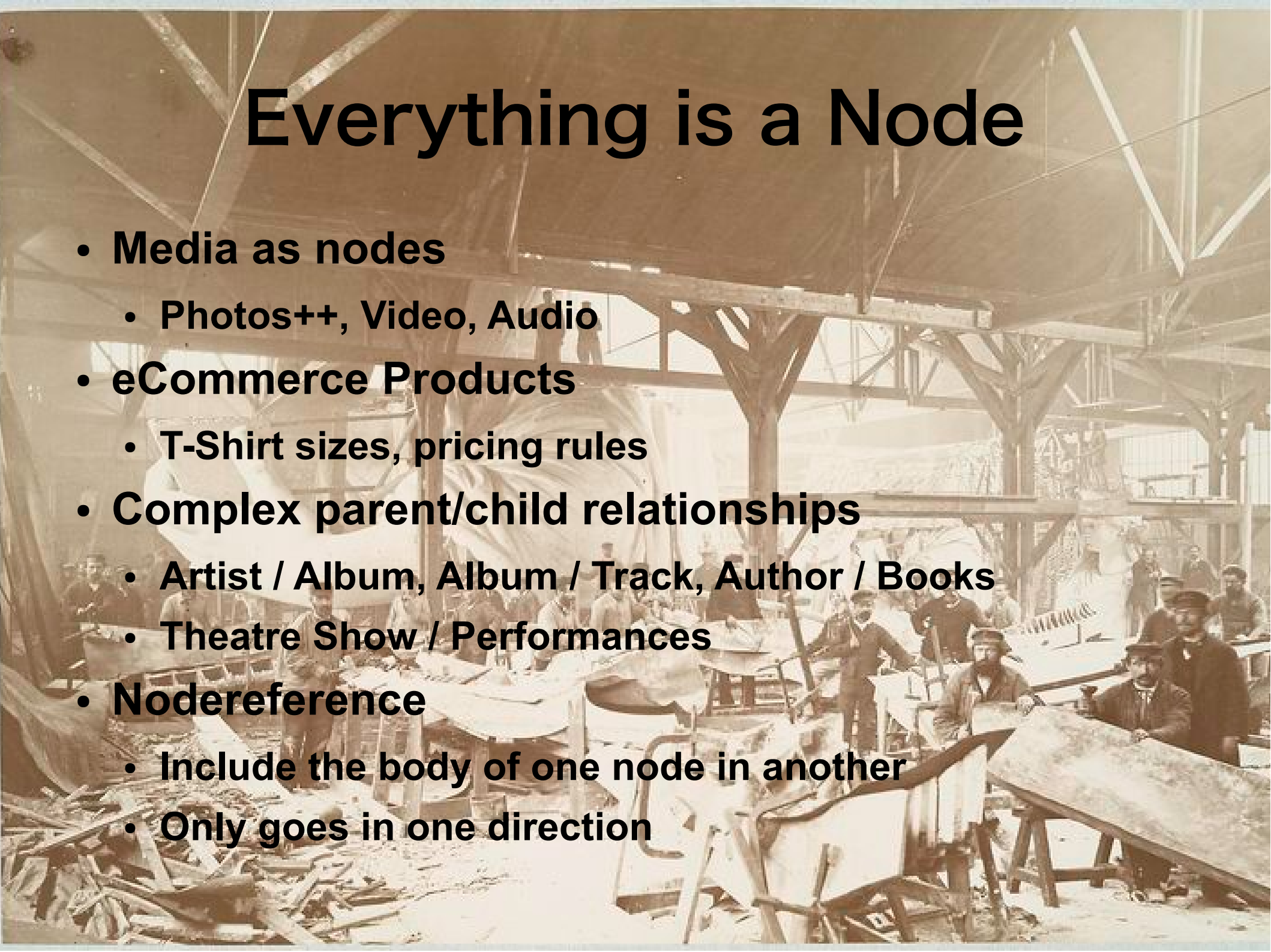
http://www.flickr.com/photos/nypl/3110144750/

”If you only have a hammer, everything is a nail.”

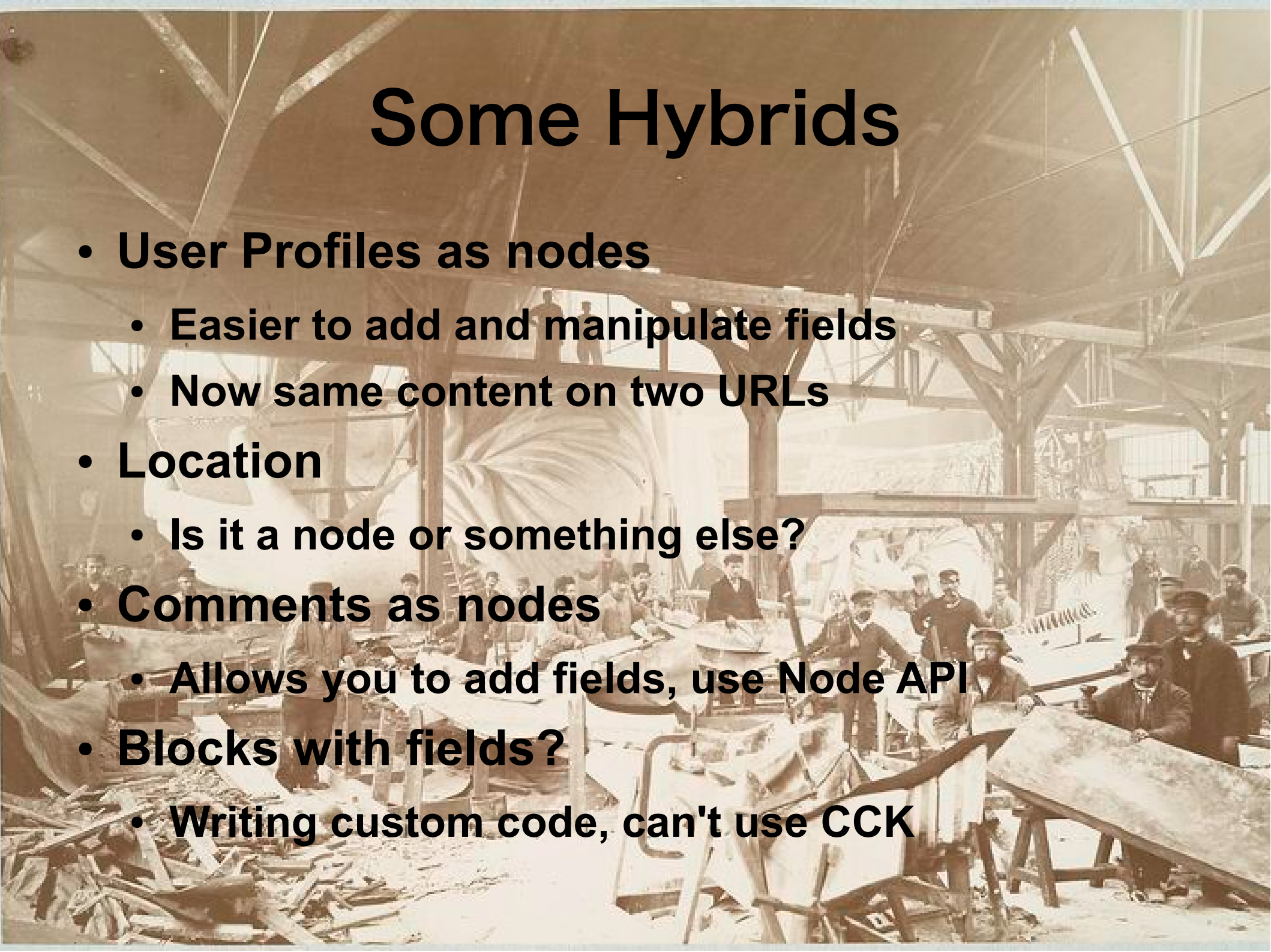
Everything is a Node (CCK)

http://www.flickr.com/photos/nlscotland/4700300060/

Everything is a Node



- Media as nodes
  - Photos++, Video, Audio
- eCommerce Products
  - T-Shirt sizes, pricing rules
- Complex parent/child relationships
  - Artist / Album, Album / Track, Author / Books
  - Theatre Show / Performances
- Nodereference
  - Include the body of one node in another
  - Only goes in one direction



Some Hybrids

- User Profiles as nodes
  - Easier to add and manipulate fields
  - Now same content on two URLs
- Location
  - Is it a node or something else?
- Comments as nodes
  - Allows you to add fields, use Node API
- Blocks with fields?
  - Writing custom code, can't use CCK

http://www.gapingvoidgallery.com

“More than hammers.”
Entities and Bundles
http://www.flickr.com/photos/nasacommons/4858566616

Nodes = Entity type, Content Types = Bundles

Node (entity)

Title
Created
Updated
Published
Promoted
Sticky
Author
Menu Settings
Comments*

Admin > *Structure* > *Content Types* > *Blog*

Content Type (bundle)

- Blog post
- Forum post
- Page
- Poll

“Fieldable” Nodes

Node (entity)

Title
Created
Updated
Published
Promoted
Sticky
Author
Menu Settings
Comments*

Admin >
Structure >
Content Types >
Blog >
Manage Fields

Content Type (bundle)

Blog post Body Tags**	Forum post Body Forum**
Page Body	Poll

* “Fieldable” Comments

Comment (entity)

Subject
Created
Status
Author
Email
Homepage

Admin >
Structure >
Content Types >
Blog >
Comment Fields

Comment/Content Type (bundle)

Blog post comment Comment Body	Forum post comment Comment Body +Image
Page comment Comment Body +Rating	Poll comment Comment Body +Link

** “Fieldable” Terms

Taxonomy (entity)

Name
Description

Admin >
Structure >
Taxonomy >
Tags >
Manage Fields

Vocabulary (bundle)

Categories

Name
Description
+Editor name

Forum containers

Name
Description
+Date

Tags

Name
Description

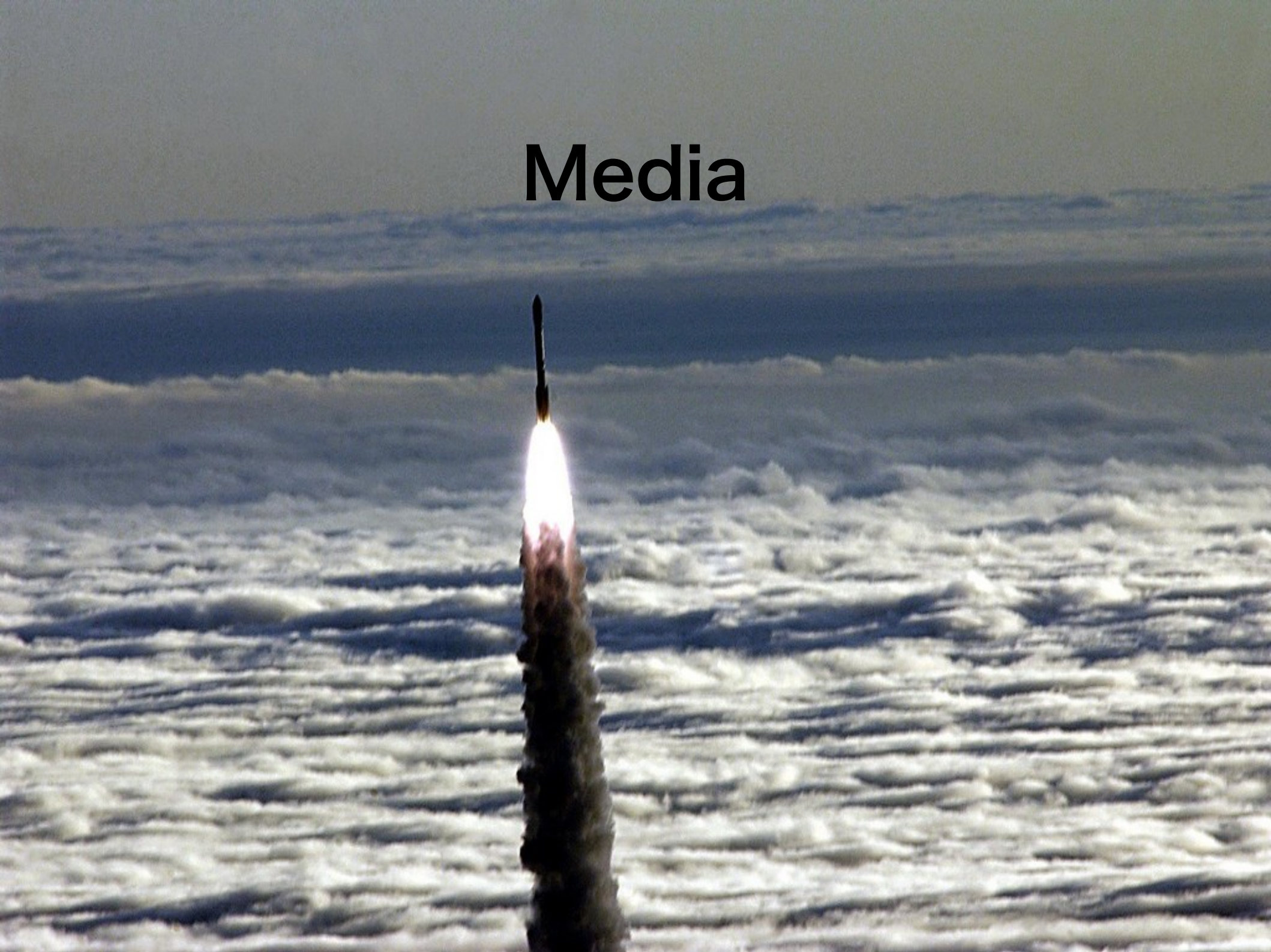
Wood Finish

Name
Description
+Image

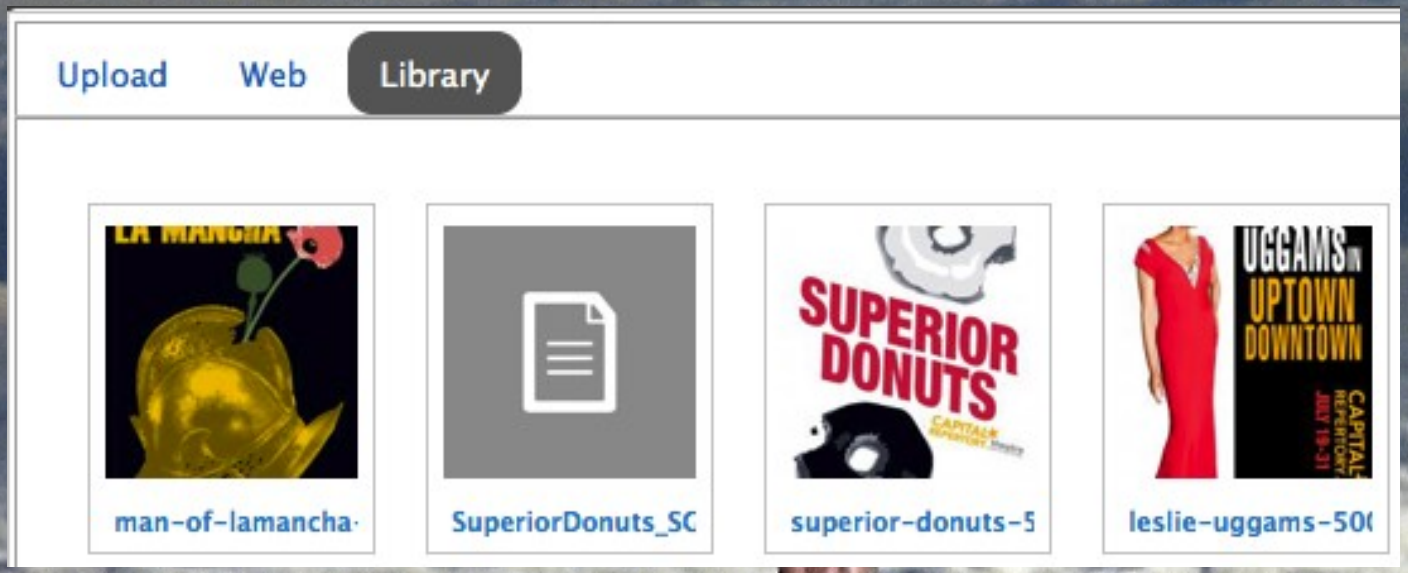
Module Support

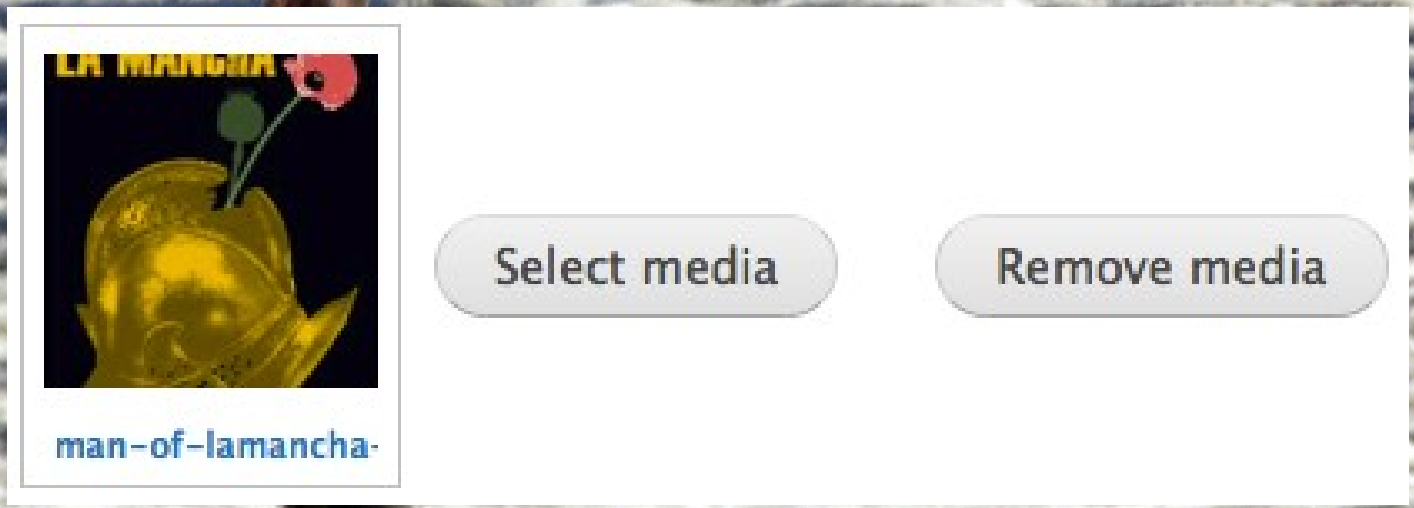
- Fields
  - (the artist formerly known as CCK)
- Search
- Views
- Token
- Rules
- Features
- Translation / I18N

Media

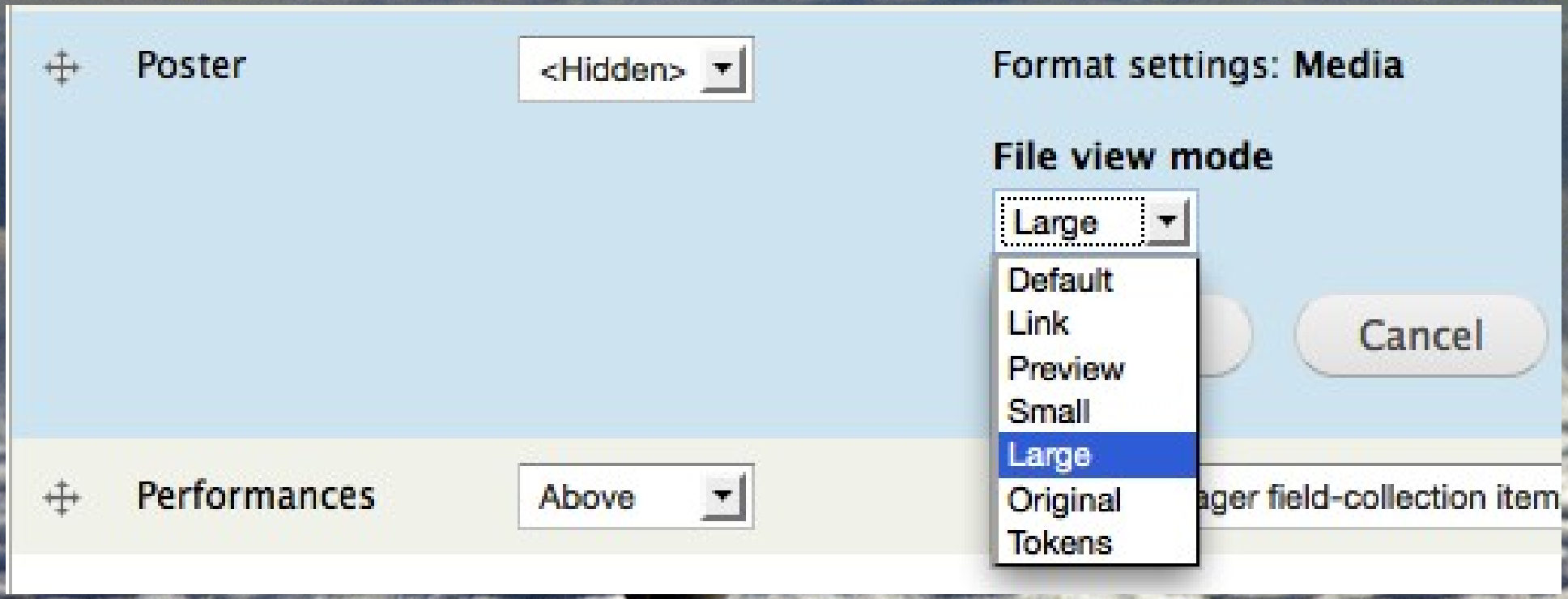


Media


Upload
Web
Library
man-of-lamancha·
SuperiorDonuts_SC
superior-donuts-5
leslie-uggams-50(


man-of-lamancha-
Select media
Remove media

Media


Poster
<Hidden>
Format settings: Media
File view mode
Large
Default
Link
Preview
Small
Large
Original
Tokens
Cancel
Performances
Above
ager field-collection item

Products

Drupal Commerce

Drupal Commerce

Product *

trunk-vertical-medicine-hardwood, trunk-vertical-medicine-br

Choose the product(s) to display for sale on this node by SKU.

Vertical Medicine Trunk

Collection

- (•) Classic Hardwood
- ( ) Premiere Brass
- ( ) Custom Vinyl
- ( ) Oakcroft Plaid
- ( ) Artesian Inlay

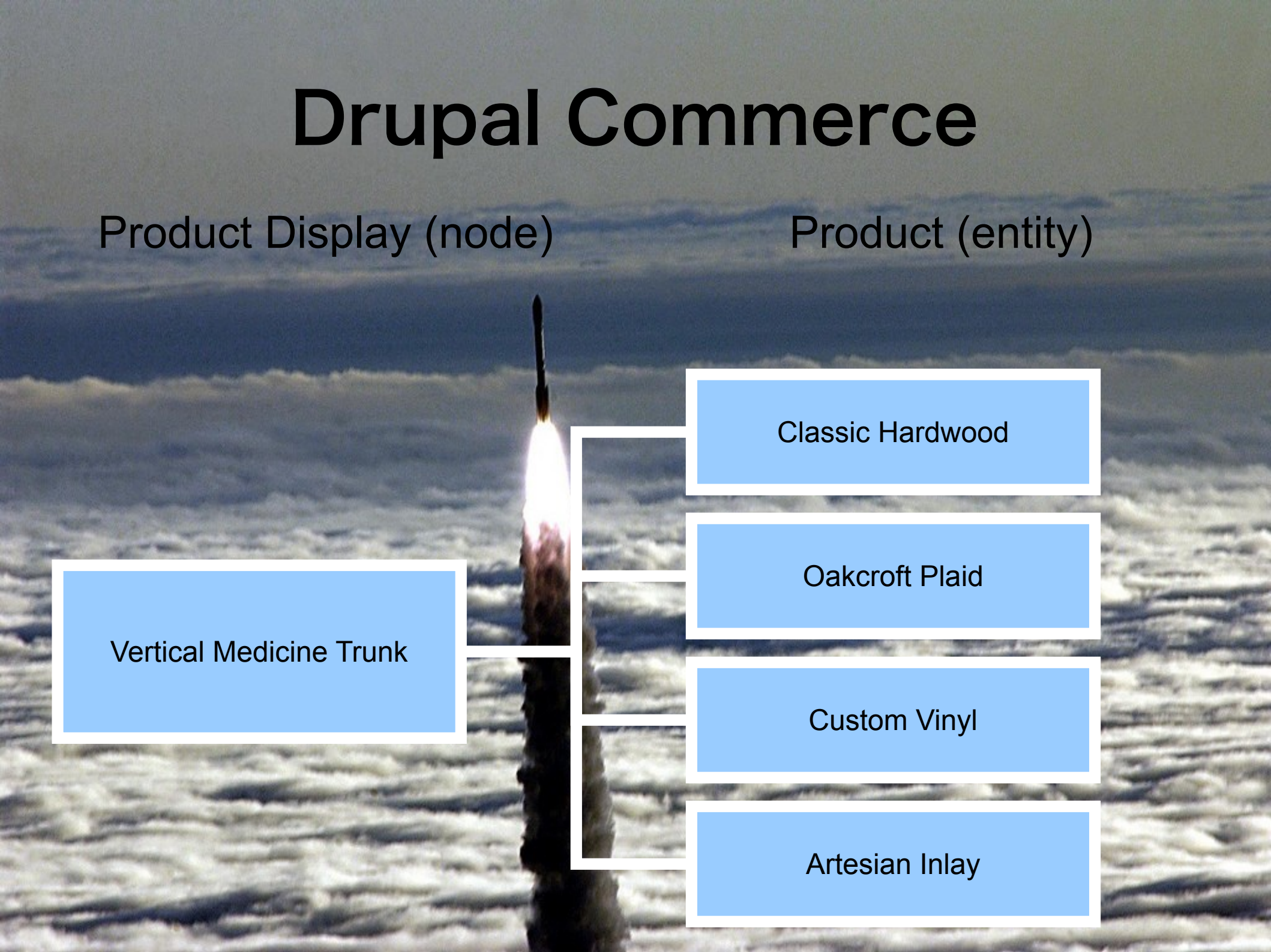
Add to cart

$10.00

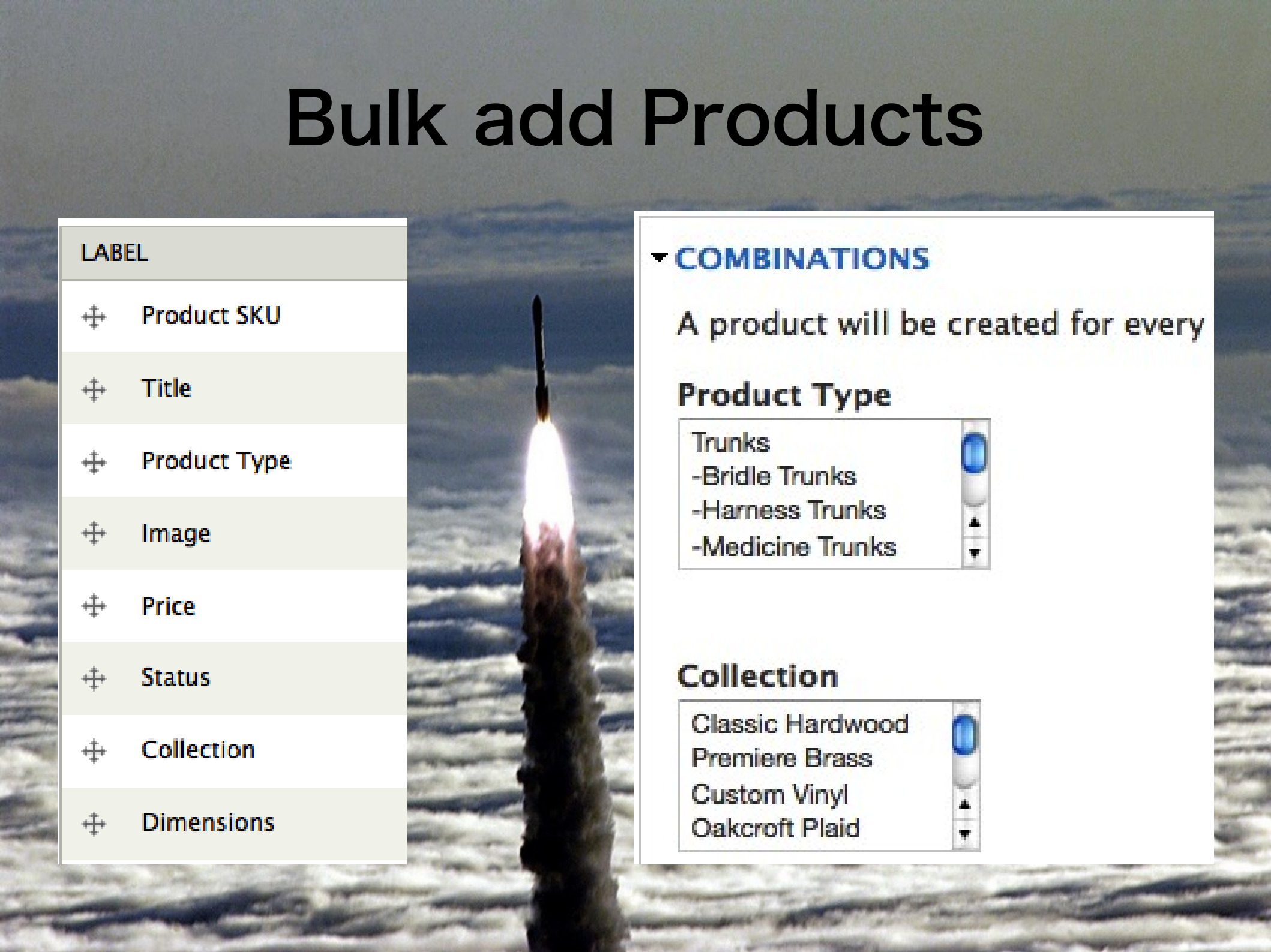
read more

trunk-vertical-medicine-brass	Vertical Medicine Trunk (Premiere Brass)
trunk-vertical-medicine-hardwood	Vertical Medicine Trunk (Classic Hardwood)
trunk-vertical-medicine-inlay	Vertical Medicine Trunk (Artesian Inlay)
trunk-vertical-medicine-plaid	Vertical Medicine Trunk (Oakcroft Plaid)
trunk-vertical-medicine-vinyl	Vertical Medicine Trunk (Custom Vinyl)

Drupal Commerce

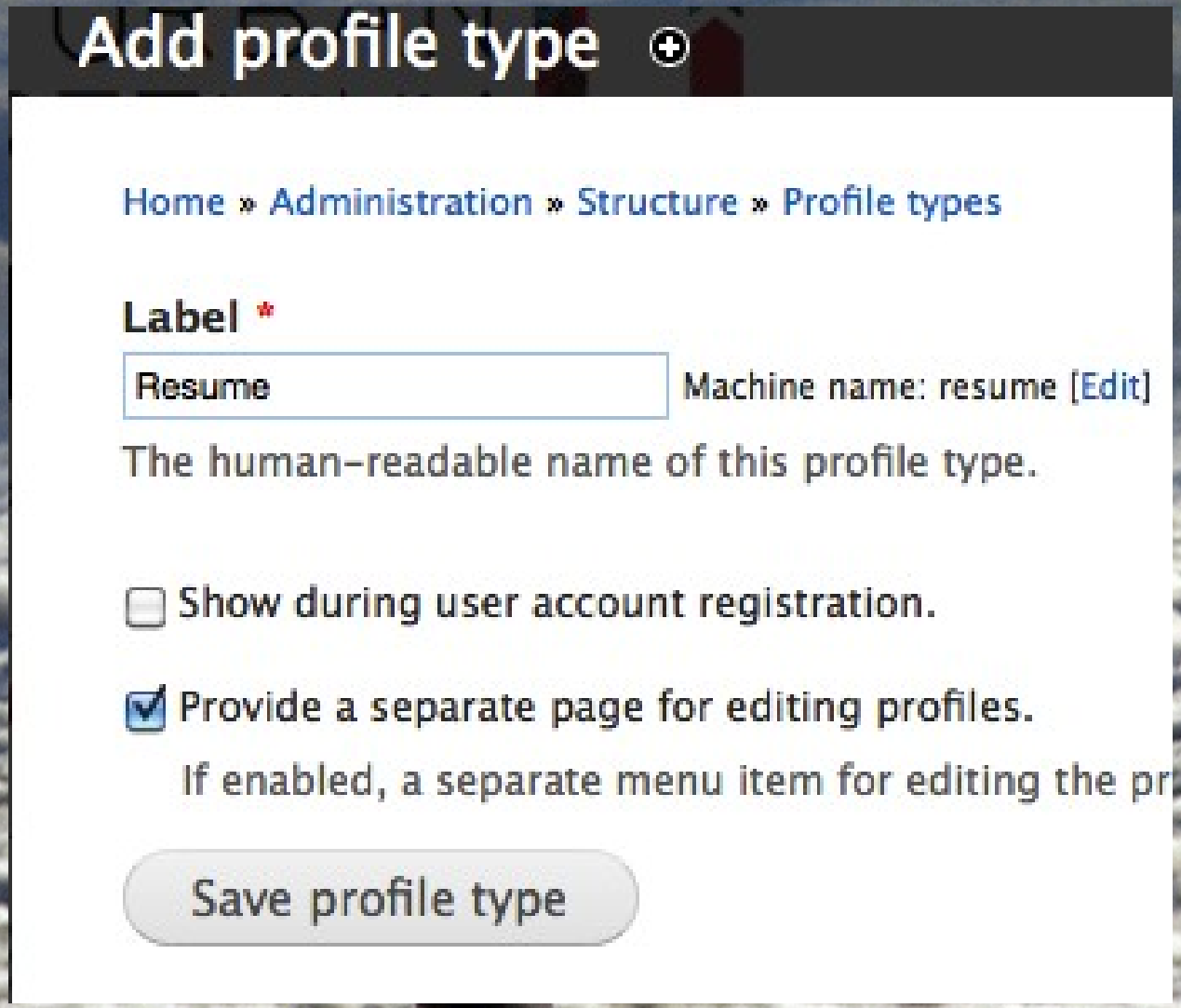


Bulk add Products

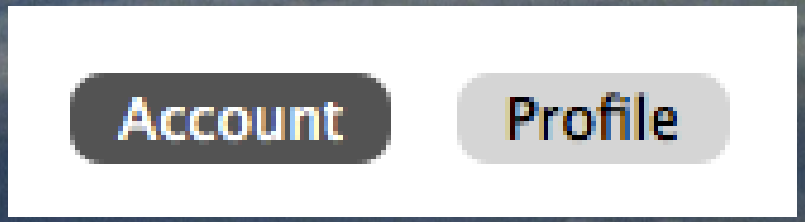


User Profiles
Profile2

Profile2


Add profile type
Home » Administration » Structure » Profile types
Label *
Resume
Machine name: resume [Edit]
The human-readable name of this profile type.
Show during user account registration.
Provide a separate page for editing profiles.
If enabled, a separate menu item for editing the pr
Save profile type

Proflie2



LABEL	STATUS	OPERATIONS					
Blog (Machine name: blog_header)	Custom	edit	manage fields	manage display	clone	delete	export
Profile (Machine name: main)	Custom	edit	manage fields	manage display	clone	delete	export
Member Info (Machine name: member_info)	Custom	edit	manage fields	manage display	clone	delete	export

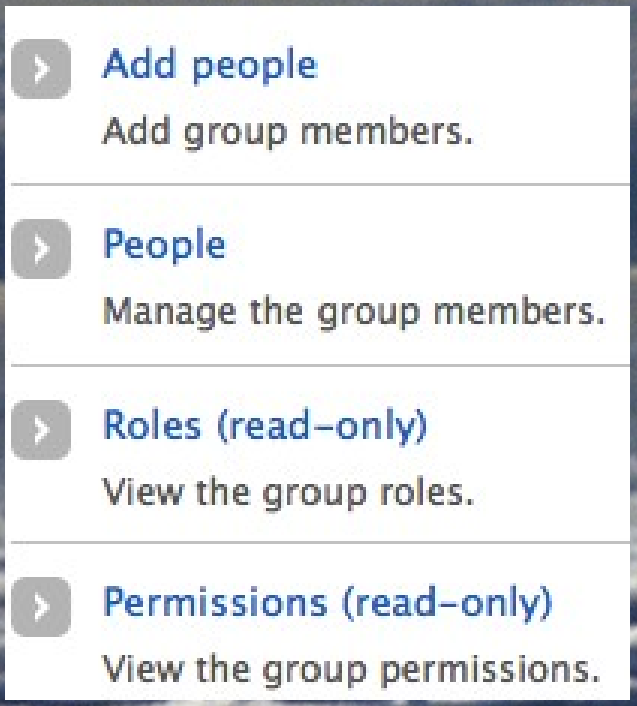
Profile2

LABEL	NAME	FIELD
Full Name	field_profile_fullname	Text
Personal Statement	field_profile_personal_statement	Long text and summary
Websites	field_profile_websites	Link
Interests	field_tags	Term reference
Resume	group_resume	Fieldset
Resume	field_profile_resume_link	Link
Resume Upload	field_profile_resume_upload	File
Birthday	field_birthday	Date

Organic Groups

Organic Groups

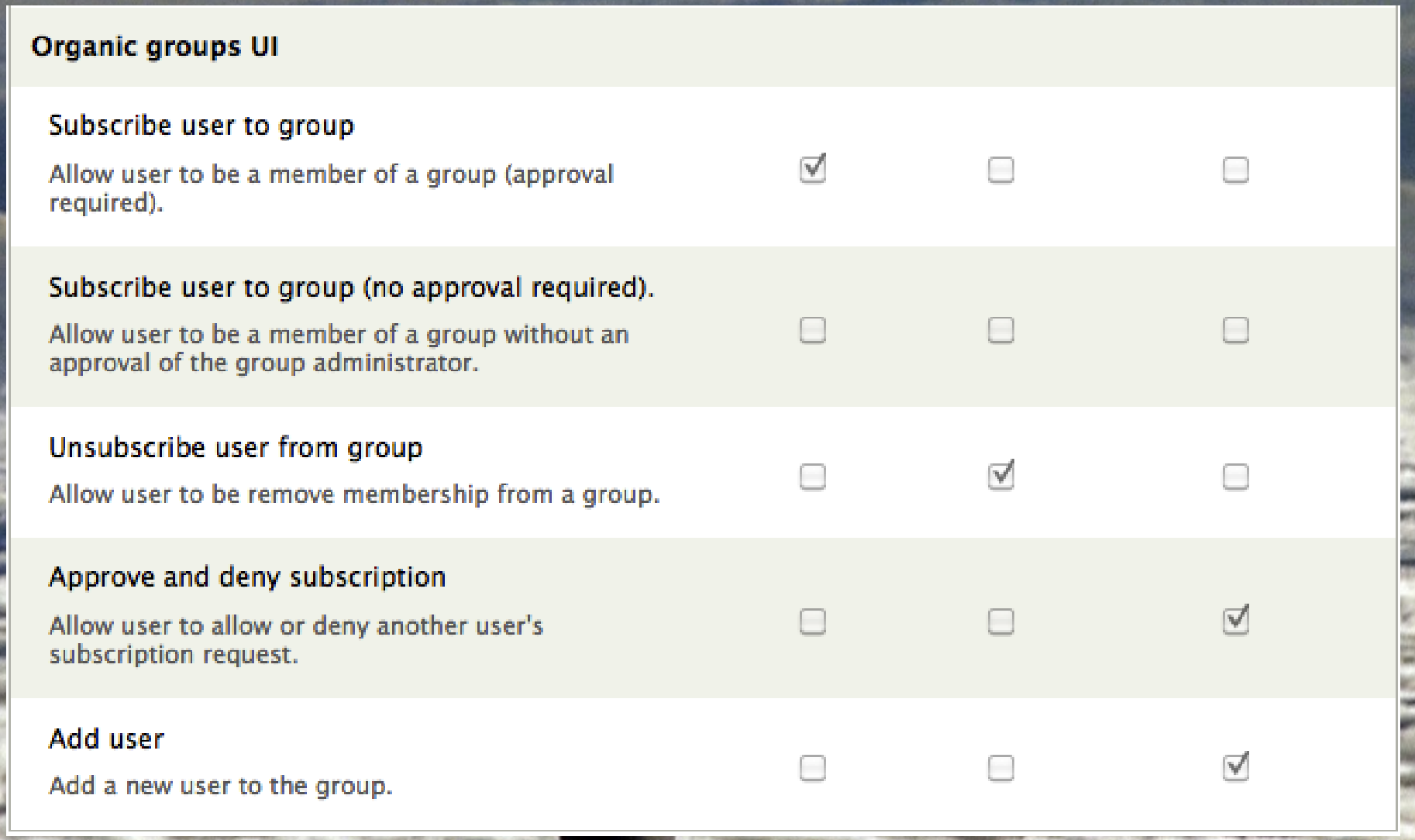
Organic Groups



PERMISSION	NON-MEMBER	MEMBER	ADMINISTRATOR MEMBER
Organic groups			
Edit group Edit the group. Note: This permission controls only node entity type groups.	☐	☐	☑
Administer group Manage or block users, and manage their role assignments in the group.	☐	☐	☑
Edit own *Poll* content	☐	☐	☐
Edit any *Poll* content	☐	☐	☐

NAME	OPERATIONS	
non-member	locked	view permissions
member	locked	view permissions
administrator member	locked	view permissions

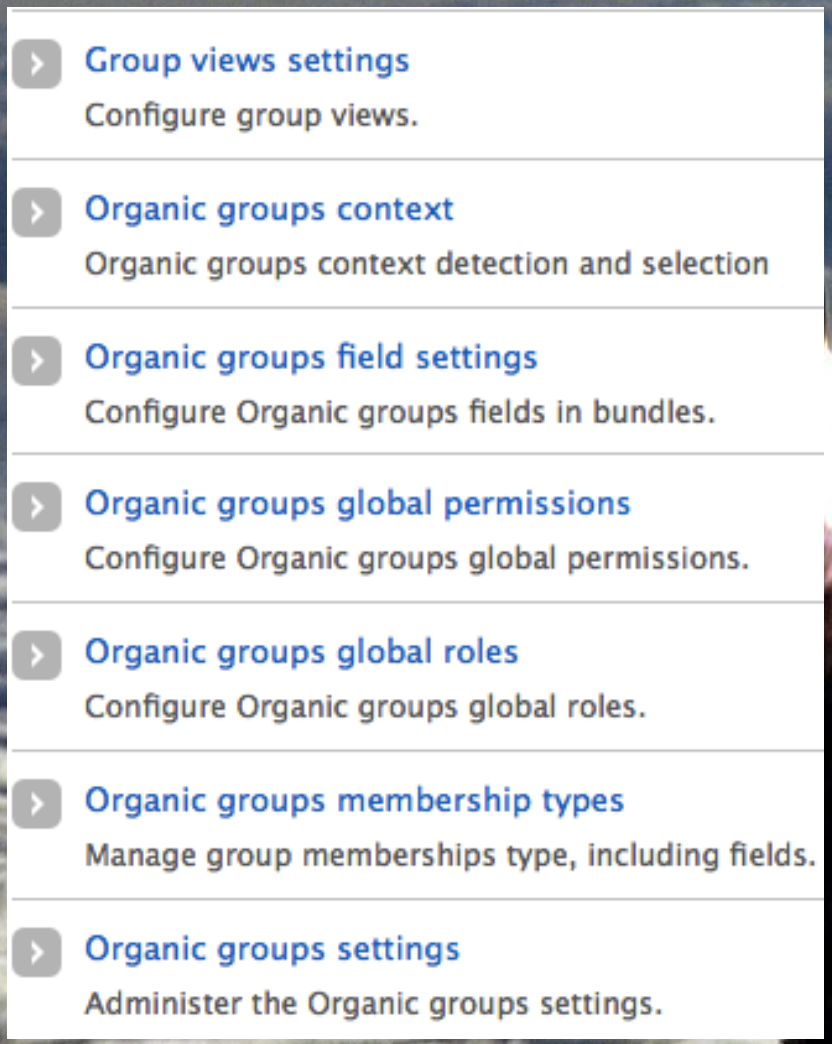
Organic Groups



Organic groups UI

Subscribe user to group Allow user to be a member of a group (approval required).	☑	☐	☐
Subscribe user to group (no approval required). Allow user to be a member of a group without an approval of the group administrator.	☐	☐	☐
Unsubscribe user from group Allow user to be remove membership from a group.	☐	☑	☐
Approve and deny subscription Allow user to allow or deny another user's subscription request.	☐	☐	☑
Add user Add a new user to the group.	☐	☐	☑

Organic Groups



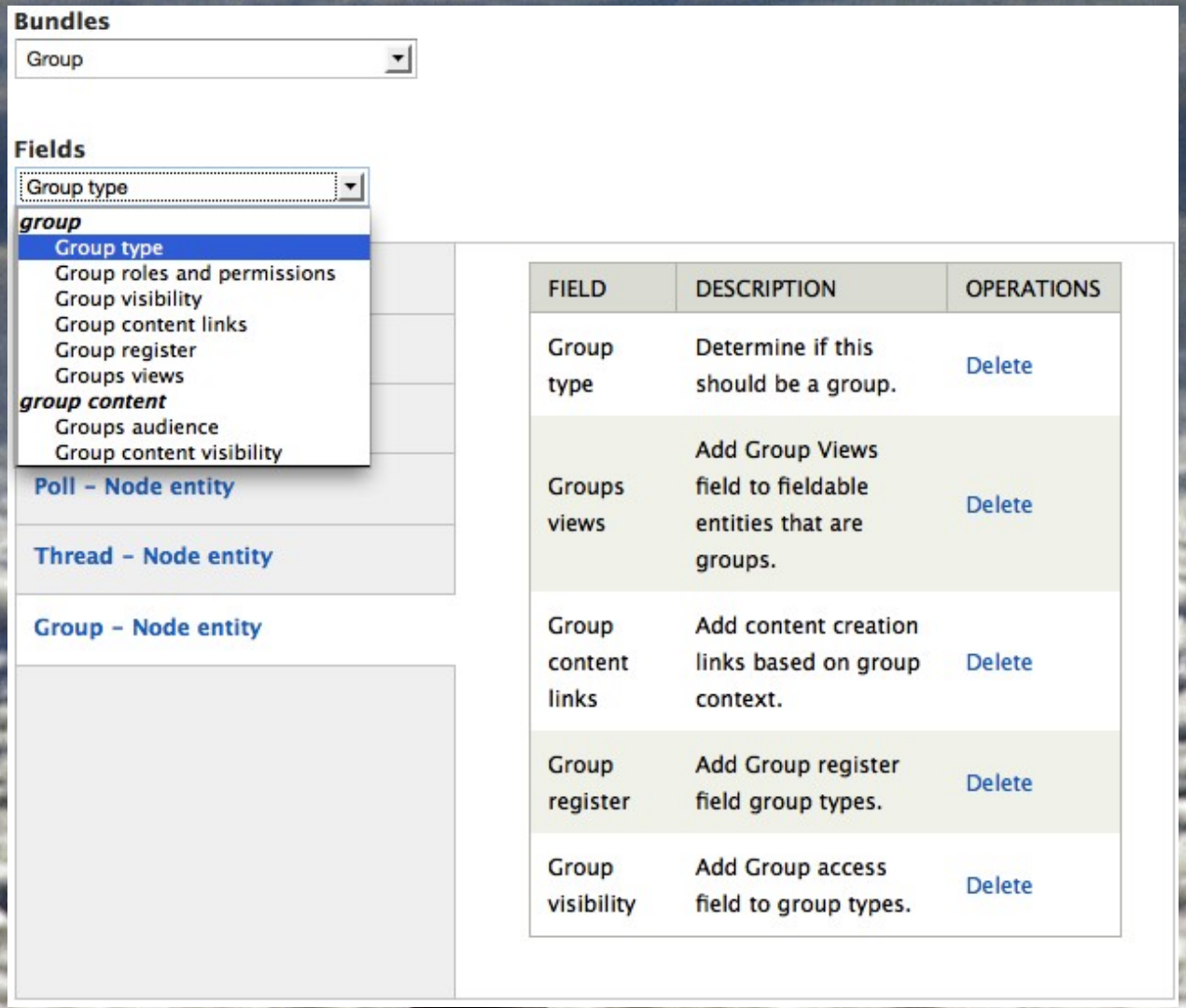
Group context detection

Order of Group context detection methods.

Show row weight

DETECTION METHOD	DESCRIPTION	ENABLED
URL	Select groups if they were passed in the URL (e.g. node/add /post?gids_node[]=4,5,6).	☑
Node	Determine context by checking if a node is a group or a group content.	☑
User edit	Determine context by checking if a user is a group or a group content on the 'user edit' page.	☐
User view	Determine context by checking if a user is a group or a group content on the 'user view' page.	☐

Organic Groups

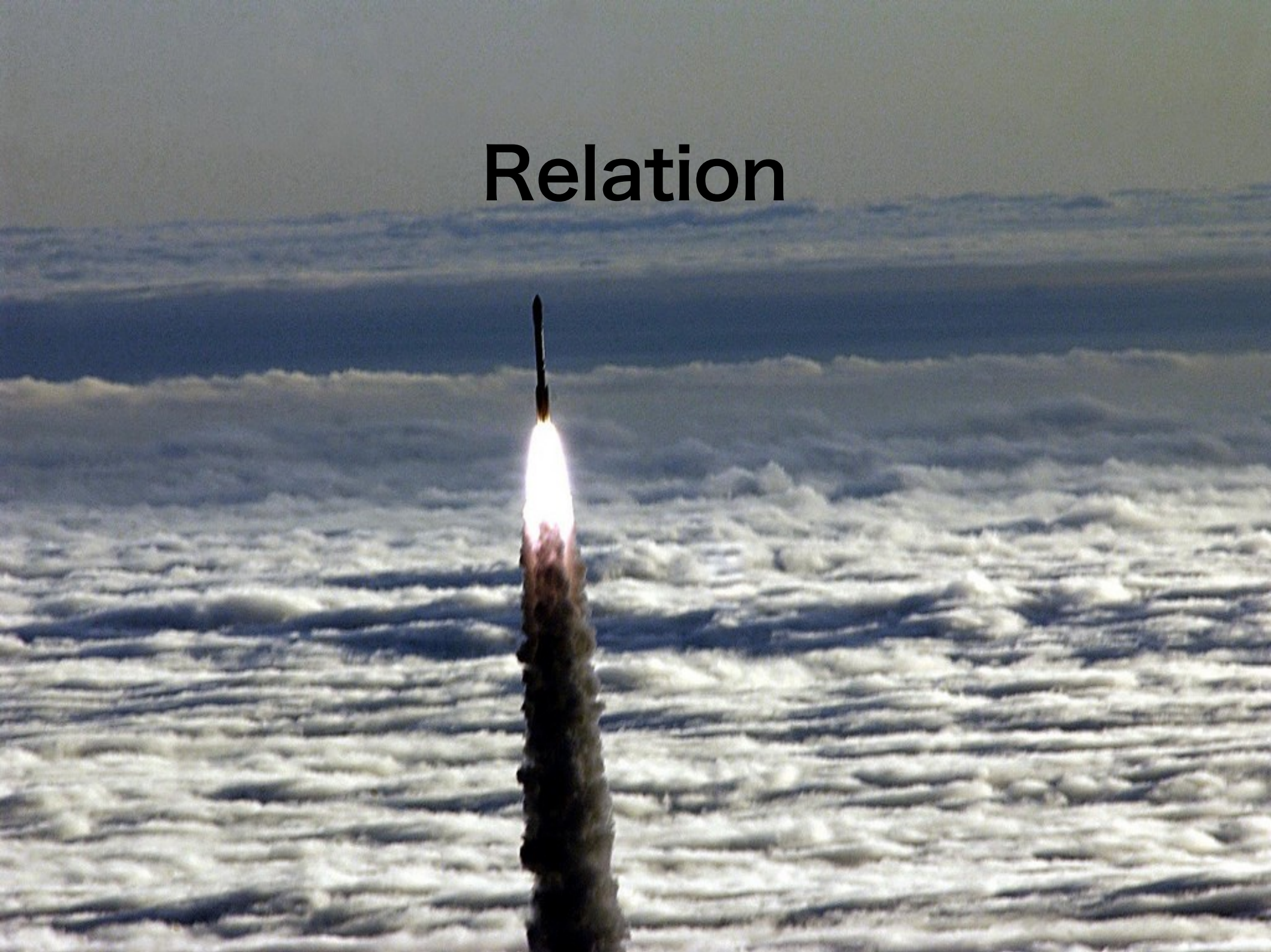


5

Relationships

Nodereference
User Reference
Entity Reference
Drupal Commerce

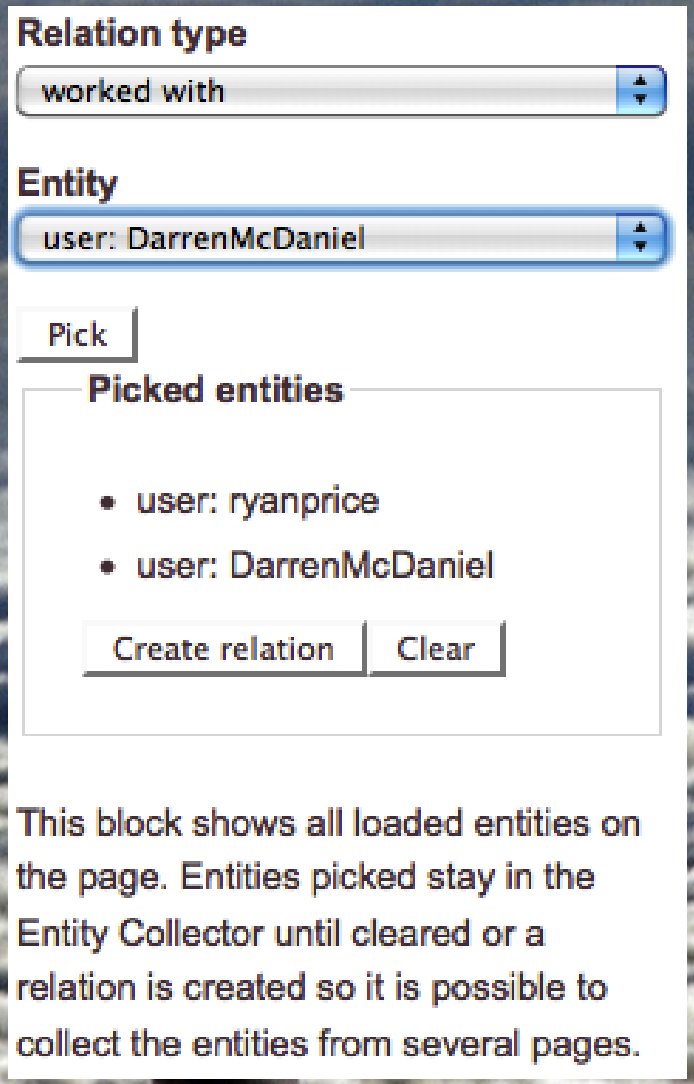
Relation



Relation

- New Entity that lives between others
- Stores a list of Nodes, Users, etc
- Fieldable!
- Johan Falk - “Learn the Relation module” http://dev.nodeone.se/node/970

Relation

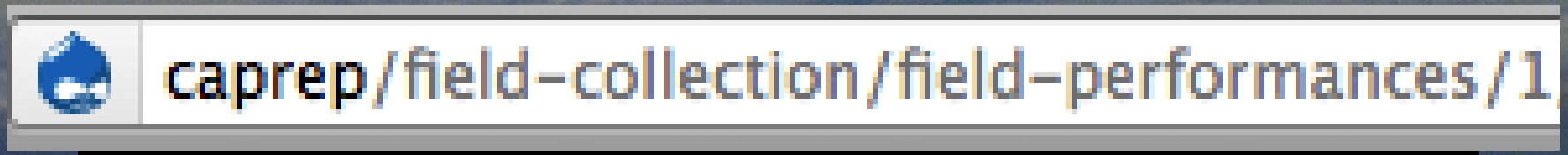

Relation type
worked with
Entity
user: DarrenMcDaniel
Pick
Picked entities
user: ryanprice
user: DarrenMcDaniel
Create relation
Clear
This block shows all loaded entities on the page. Entities picked stay in the Entity Collector until cleared or a relation is created so it is possible to collect the entities from several pages.

“Fields with Fields”
Field Collection

Field Collection module

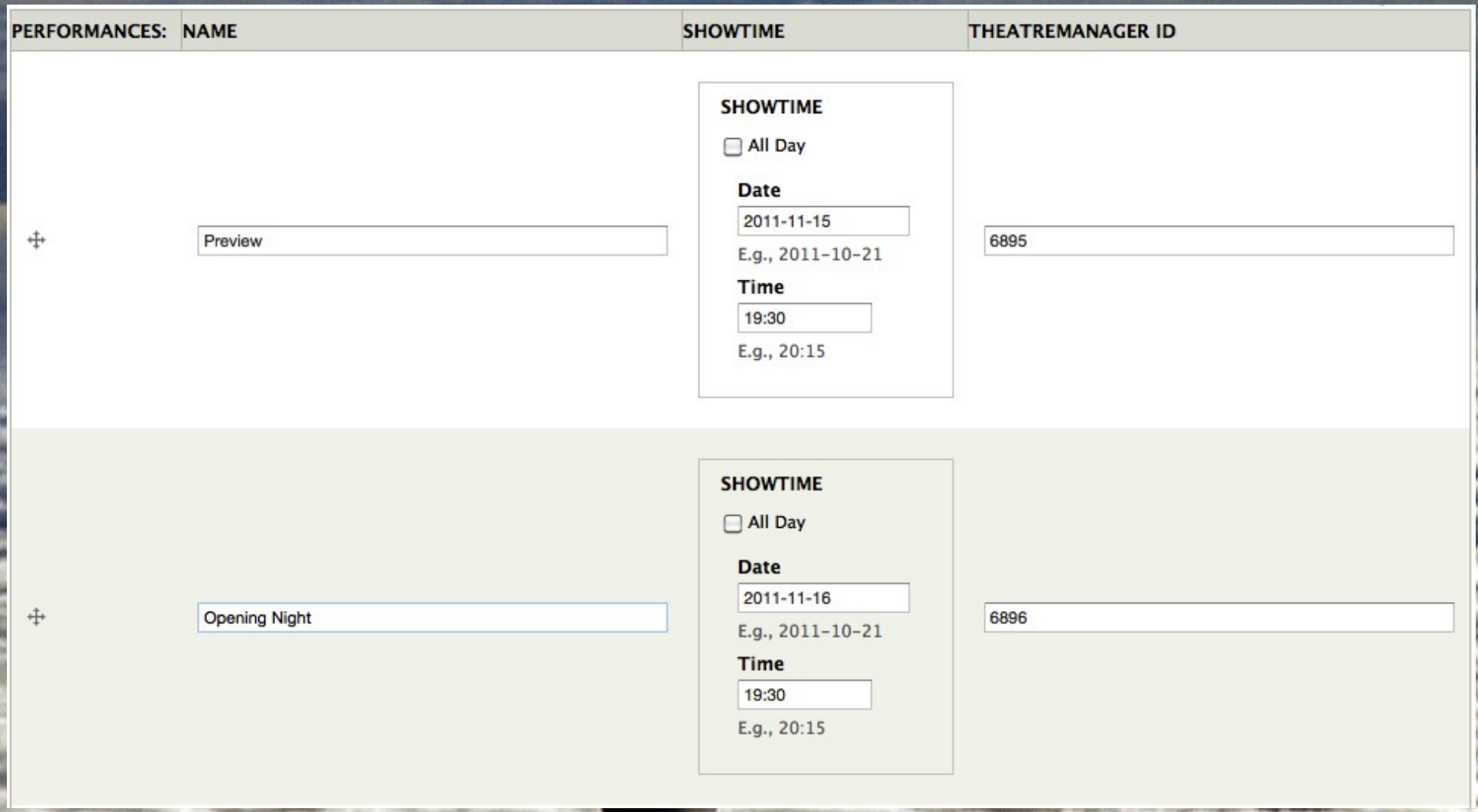
- http://drupal.org/project/field_collection
- Adds a field that is the Create form for a new Entity type
- Admin > Structure > Field-Collections
  - Manage Fields, Manage Display
- See also field_collection_table project
  - Formats the entity as a table instead of fields or a list of titles

Field Collection module



Name	Showtime	TheatreManager ID	Operations
Preview	Tue, 2011-11-15 19:30	6895	• Edit • Delete
Opening Night	Wed, 2011-11-16 19:30	6896	• Edit • Delete
Man of la Mancha	Thu, 2011-11-17 19:30	6897	• Edit • Delete

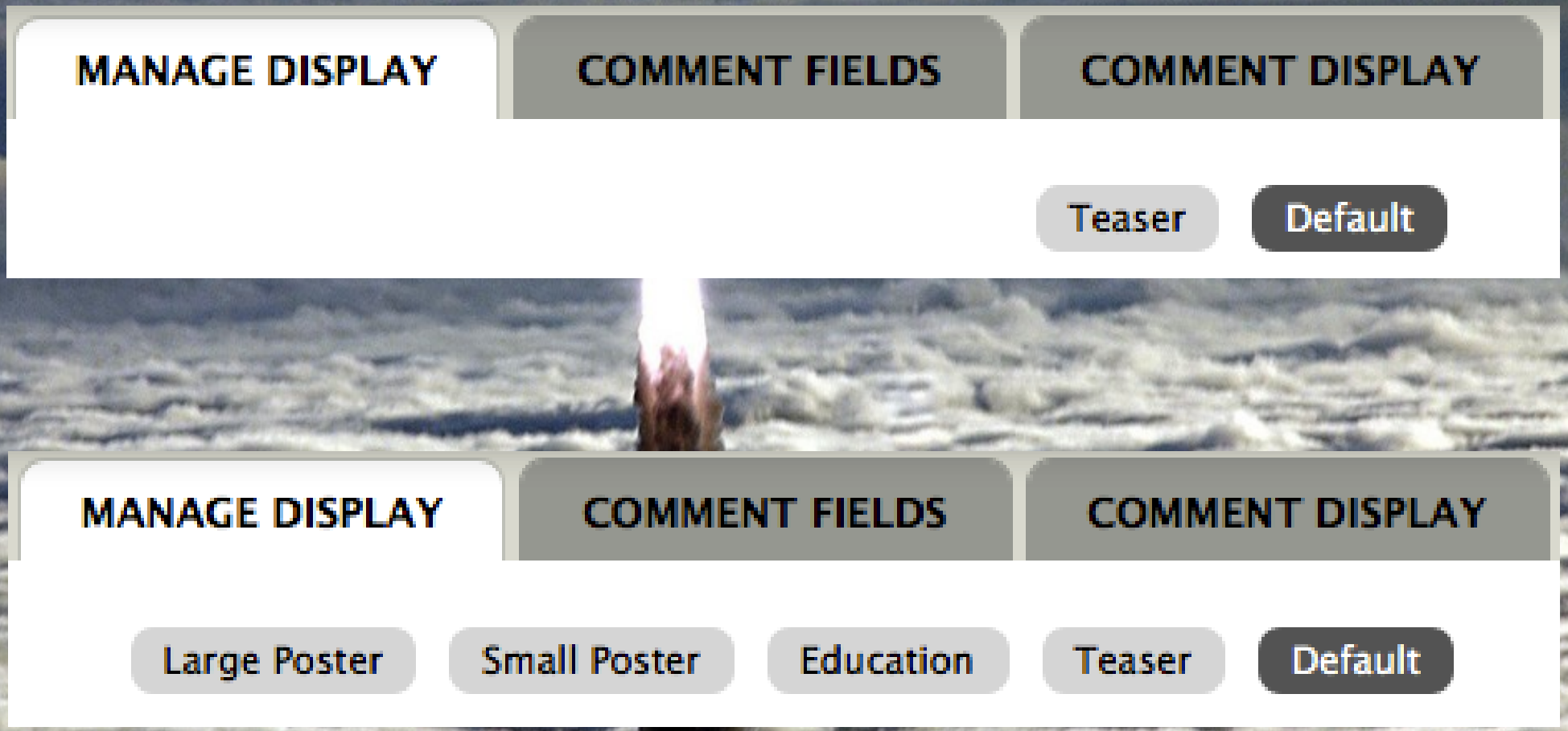
Field Collection module



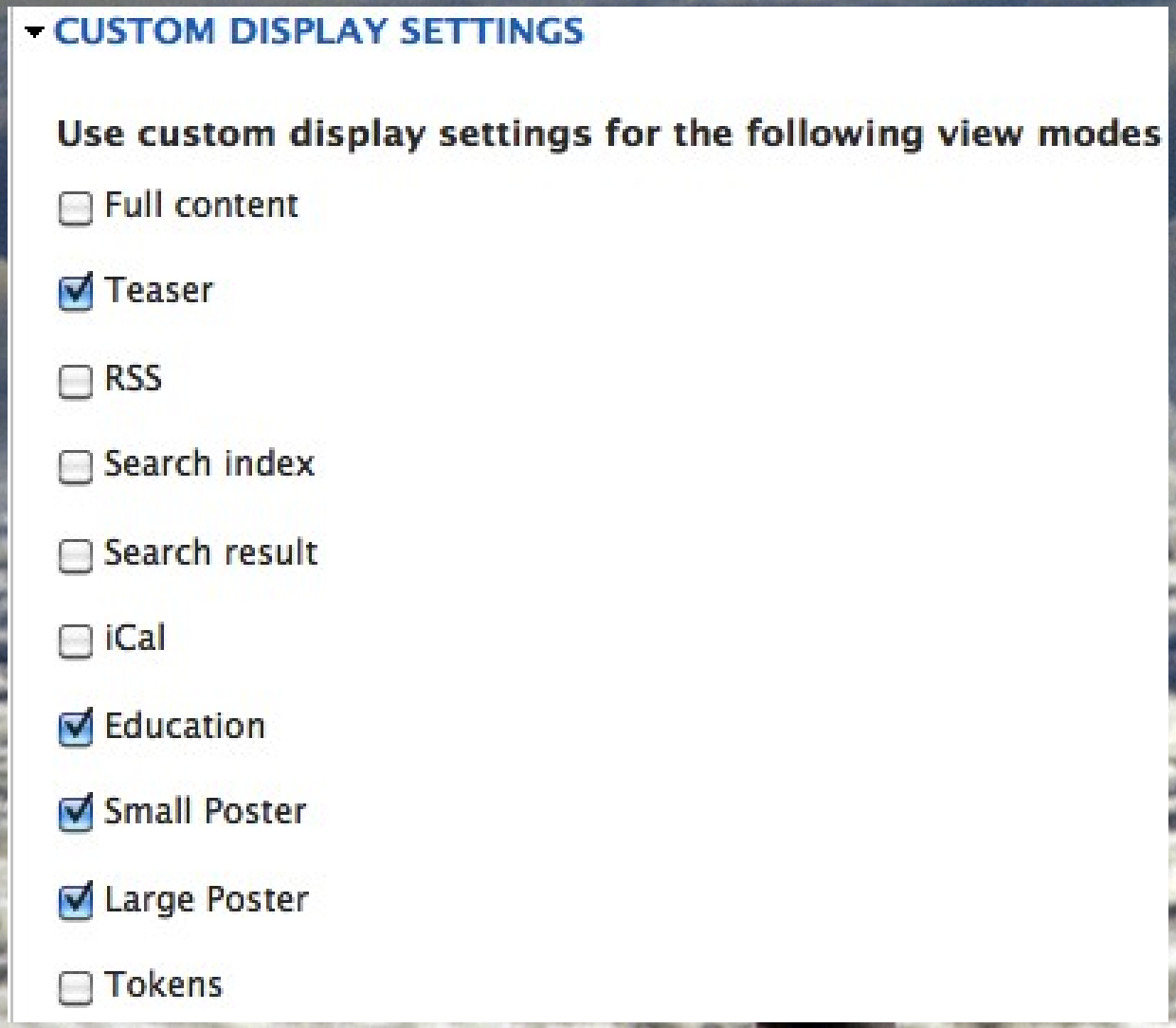
4 View Modes

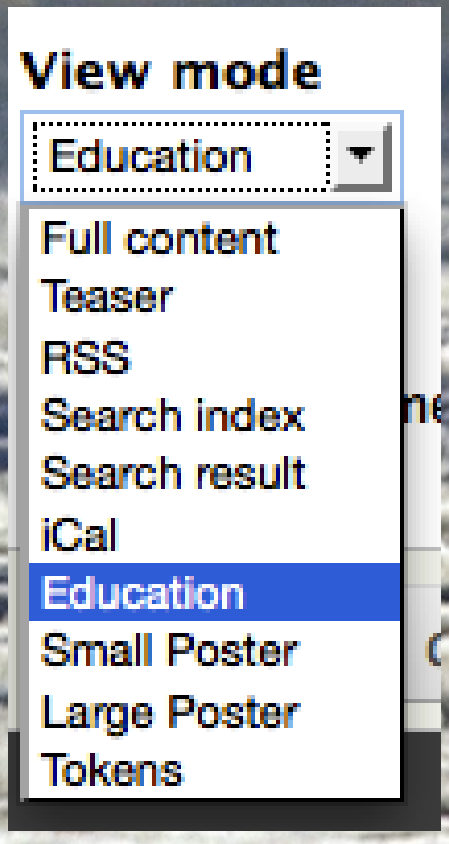
(Build Modes, Node Display)

Entity View Mode

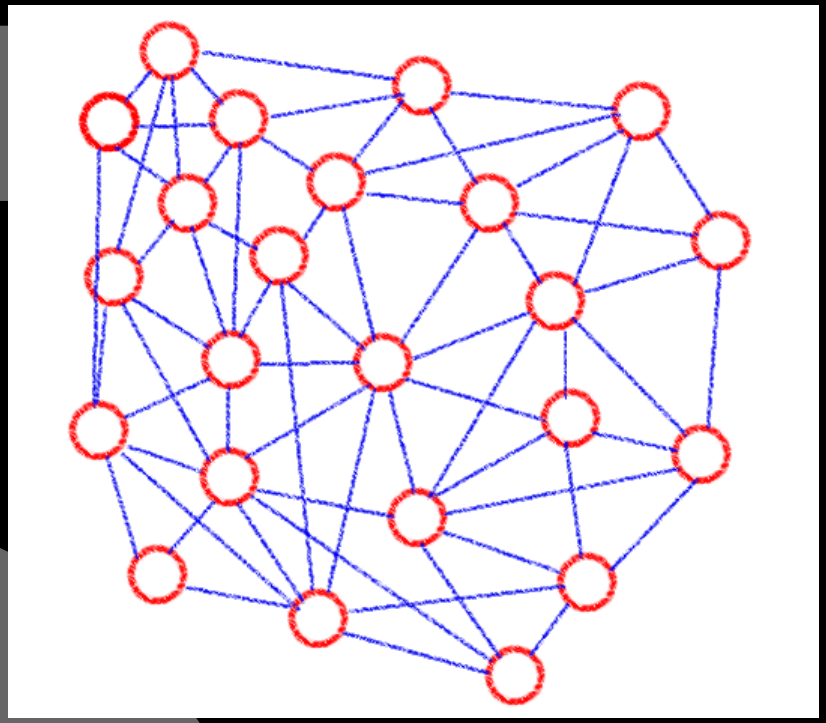


Entity View Mode





5



Beyond Contrib

hook_entity_info() profile2

- 'label' => t('Profile'),
- 'entity class' => 'Profile',
- 'controller class' => 'EntityAPIController',

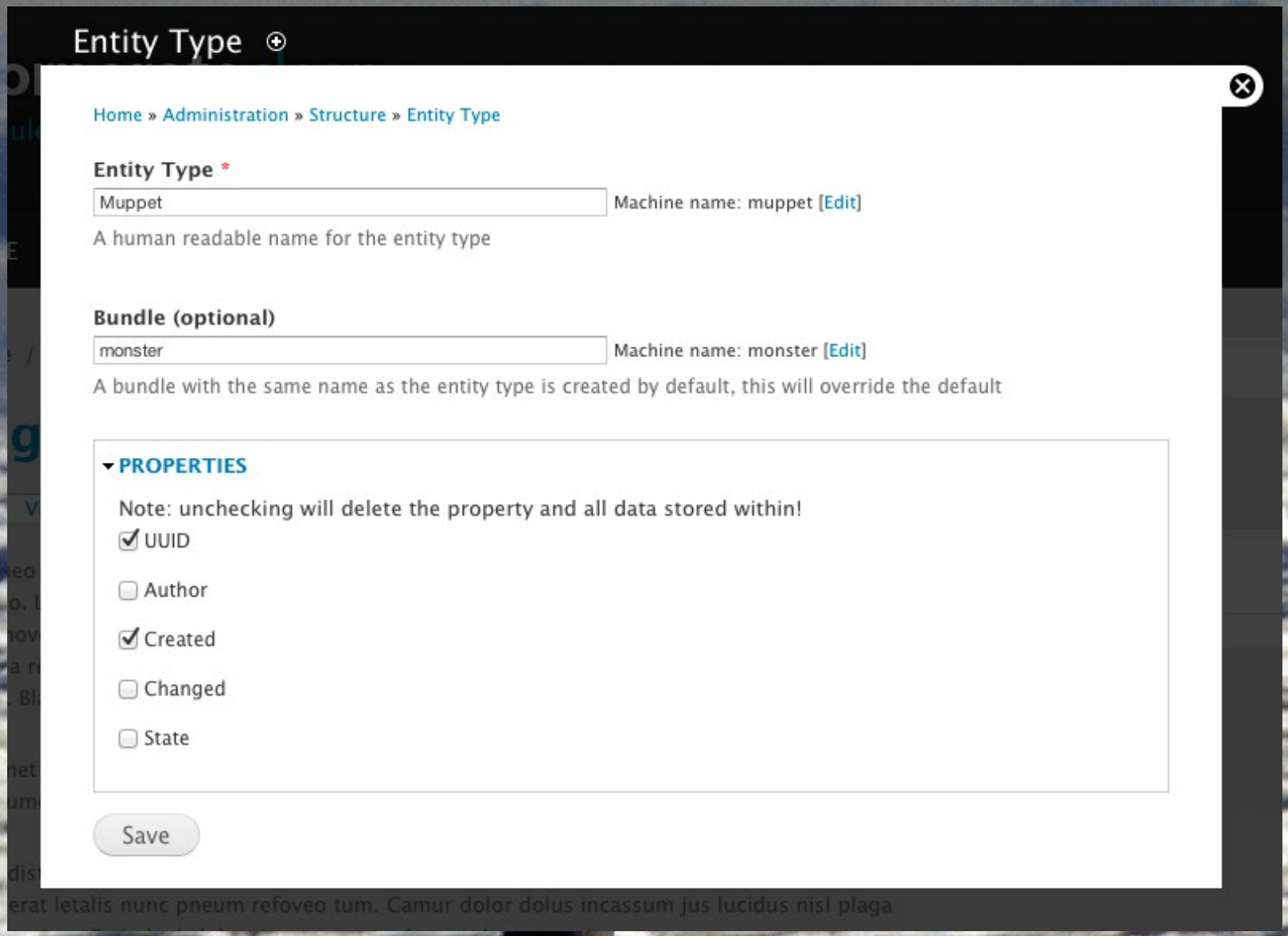
- 'label' => t('Profile type'),
- 'entity class' => 'ProfileType',
- 'controller class' => 'EntityAPIController',

- profile2_entity_info_alter()
- profile2_get_types()

Wolfgang Ziegler (fago)
http://wolfgangziegler.net/article/Drupalcity-Entity-API-talk-slides

Entity Construction Kit

Entity Construction Kit



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FloridaCreatives.com