Managing Your Media with Drupal

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Objectives

- Understand the fundamentals of the File Entity and Media modules, and their ecosystem.

- Learn how to organize and reuse assets by building a media library.

- Learn how to use media assets in your content.

Agenda

- Media ecosystem overview.
- Building a categorized, organized media library.
  - Adding fields to files.
  - Tailoring the Media Browser view.
- Using Media in your content.
  - Images
  - Video
  - Audio
- Wrap-up, Q&A

Media in Drupal 7

The two main modules:

File Entity   http://drupal.org/project/file_entity

Media   http://drupal.org/project/media

Versions:

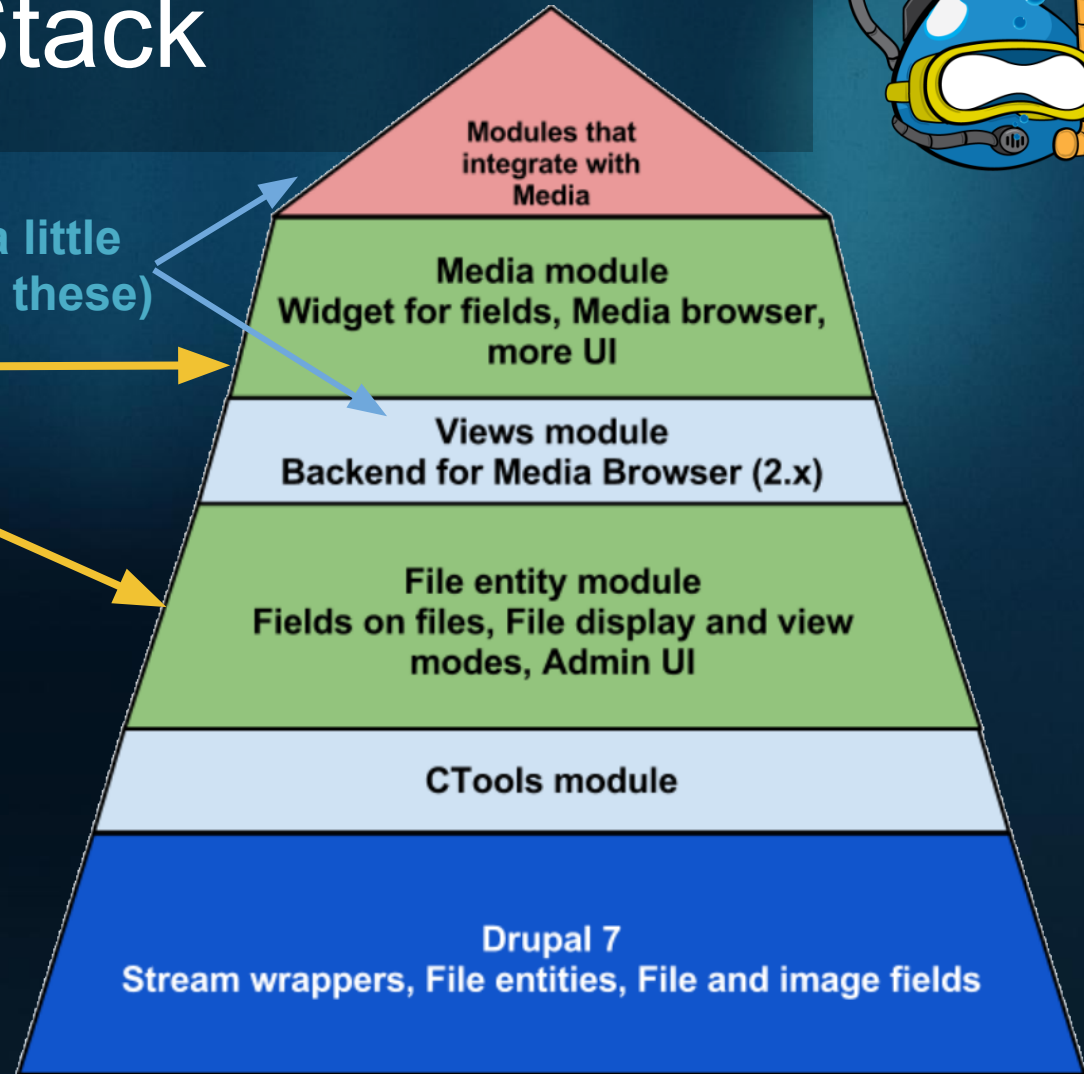| Recommended releases			
Version	**Downloads**	**Date**	**Links**
7.x-1.3	tar.gz (177.35 KB) | zip (206.54 KB)	2013-Mar-02	Notes
Other releases			
Version	**Downloads**	**Date**	**Links**
7.x-2.0-unstable7	tar.gz (94.9 KB) | zip (119.98 KB)	2012-Nov-18	Notes

Fear not the "unstable." It's better!

The Media Stack

We'll talk about these

(and a little about these)

Graphic from Dave Reid's DrupalCon Denver presentation.

http://denver2012.drupal.org/ program/sessions/drupal-media

Modules that integrate with Media

Media module
Widget for fields, Media browser, more UI

Views module
Backend for Media Browser (2.x)

File entity module
Fields on files, File display and view modes, Admin UI

CTools module

Drupal 7
Stream wrappers, File entities, File and image fields

File Entity? What's an Entity?

Basic building block

- **Represents something**
- **Common API**
- **Can have fields**
- **Can reference each other**

Other entities:

- **Nodes**
- **Users**
- **Taxonomies**
- **Comments**
- **Drupal Commerce Products**
- **Build your own with ECK**

http://www.flickr.com/photos/meesho/18428861
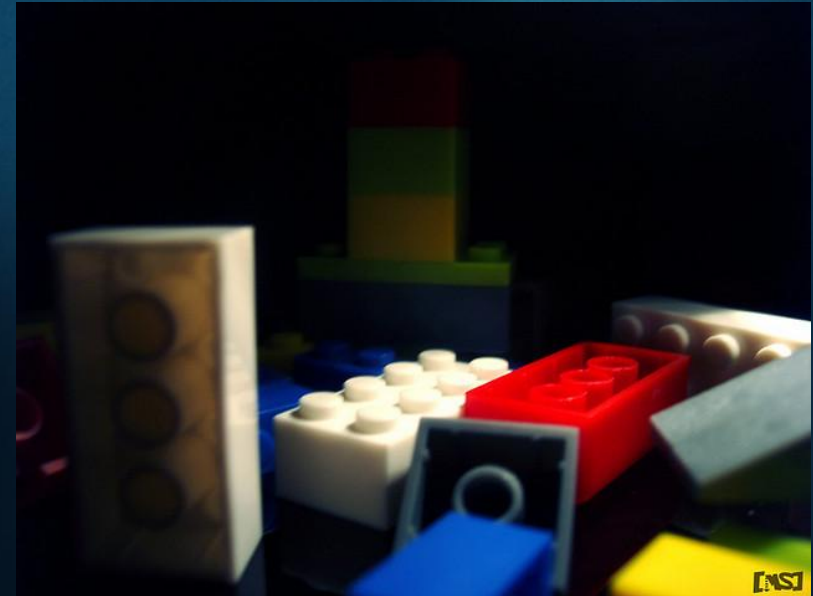
Drupal 6: Everything in a node!

Let's start building...

Media Library

- **Hypothetical Drupal blog.**
- **We want a media library:**
  - **Organize videos, audio, and images**
  - **Reuse in our articles.**
  - **Tag with taxonomy terms.**

How we'll do it:

- **File Entity: define term reference fields on our files.**
- **Media Browser view: tailor to filter on our new fields.**

Demo

Creating our Media Library infrastructure
File Type Configuration

File display formats

Default from Media module:

Generic file	Usually a small icon + link to the file.
Table of files	Useful for multi-valued fields. List files/inks in table.
URL to file	Provides an unlinked URL to the file.
Rendered file	The file, rendered and embedded in your article. *Allows you to select the file view mode.*
Large filetype icon	Shows a large icon.

Added by html5_media module

Media Player	For audio/video, renders <audio> or <video> tag, which shows a player on compatible browsers.

Tips

Understanding display settings

- **File display:** specifies how the file is rendered in each view mode.

- **Field display:** visibility of file and label in each view mode.

- You can add more view modes with the **Entity View Modes** module, or possibly **Display Suite** (haven't tried).

Demo

Creating our Media Library infrastructure

Tailor Media Browser view

Tips

Media Browser View

- **Edit this view at Structure -> Views -> Media Browser (File)**
- **Avoid autocomplete in exposed filter if possible.**
- **If you must autocomplete in exposed filter, turn off autosubmit (Advanced -> Exposed Form Settings)**

Next: Using Media in Articles

With fields

- **Use a File or Image Field, with Media File Selector widget.**
- **One field for all media, or separate fields for images, video, audio?**
  - **Either is allowed**
  - **Separate fields make it easier to control display**

We'll also look at display configuration

- **File display**
- **File Entity field display**
- **Node field display**

Demo

Adding Media to Content Types

File and Image Fields

Display Modes

Demo

Configuring WYSIWYG for Media

Text Format: special filter required

WYSIWYG: tool and configuration

Tips

Text Format Configuration

- **To use the Media tool in WYSIWYG, you *must* enable the "Convert media tags to markup" filter in the corresponding text format.**

WYSIWYG Configuration

- **At least for some versions of TinyMCE, you may need to turn off "Verify HTML" for now. TinyMCE 3.5.8 is reported to fix this (http://drupal.org/node/1835826)**

Recap of Modules

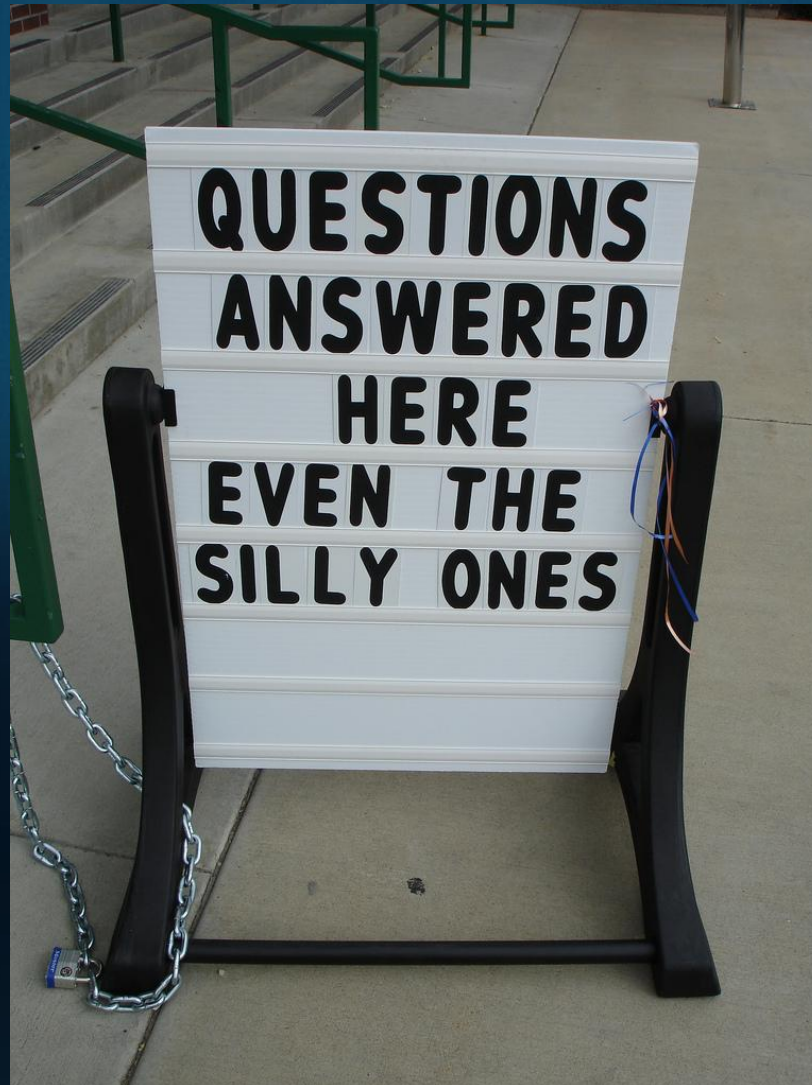|	
file_entity	Allows files to be fieldable and to integrate with Views
media	Provides framework for other modules, provides Media Browser, file field widget, and WYSIWYG plugin.
media_internet* *included with media	Part of media module package, but enabled separately. Allows media files to be copied from a URL.
html5_media	Allows audio and video files to be rendered using html5
media_youtube	Allows Youtube videos to be managed as Drupal files and embedded in content.
media_vimeo 7.x-2.x-dev	Allows Vimeo videos to be managed as Drupal files and embedded in content.

To find out more...

http://groups.drupal.org/media

The Media group on GDO: post questions, read past questions and answers, get news on progress.

irc.freenode.net, #drupal-media channel

Where media maintainers and users hang out. Also where media office hours occur.

http://groups.drupal.org/node/168009

Modules that extend the Media module (wiki page).

http://www.flickr.com/photos/travelinlibrarian/223839049/

What Did You Think?

Please Evaluate this session at:
fldrupalcamp.org/program/schedule

Florida DrupalCamp 2013 - Dive into Drupal!

What Next?

Stay here:

Go Fish:

First Name
Last Name

d.o username
Company/Organization
Job Title/Position