

HTML5, Drupal, & Your Users

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2.12.11

Florida Drupal Camp

HTML5 Media Format Confusion



Dries Dries Buytaert

Why isn't there good (mp3) codec support across all browsers for the #HTML5 audio tag @adactio? (cc @ezulfell @tha_sun @annevk

25 Oct

in reply to @Dries ↑



@gionn

Giovanni Toraldo

@Dries 'cause mp3 isn't an open-standard. The real question is 'Why isn't there good OGG support across closed-source browsers?'

25 Oct via web ☆ Favorite □ Retweet ↻ Reply

Mentioned in this Tweet:



Dries Dries Buytaert

Creator of Drupal, Drupal project lead, CEO of Acquia, and Mallom spam fighter

Retweeted by [davereld](#) and 1 other



VHS v. Beta Max (again)

- HTML5 <video> Tag Support
 - Safari
 - Mozilla Firefox
 - Google Chrome
 - Opera
 - IE 9
- Container Formats & Codecs
 - h.264 v. Theora
- Licensing
 - Open Source v. Proprietary
- WebM
- <http://diveintohtml5.org/video.html>

Drupal HTML5 Media Solution

- CCK
 - File Field
 - Embedded Media Field (Video & related modules)

- Mediafront
 - Mediafront Embedded Media Field
 - Open Standards Media Player

- <http://mediafront.org/documentation/drupalmediafront-osm-cms-integration/drupal-mediafront-osm-install-guide>

User Control?

- No dynamic means for user to change the position of the HTML5 video in the node!
 - Product/Process Details
 - Blogs

- Solution?
 - Write a custom Input Filter & require user to type BBCode like placeholder tokens?

User Control--With Only 5 Lines of Code!

- Insert Module to the Rescue!

- 1 line of code in insert-link.tpl.php

```
print '<div>[html5_video]</div>';
```

- 4 lines of code in hook_preprocess_node in template.php

- ```
if ($mediaplayer = $vars['node']->content['field_media_player']['#children']) {
 $vars['content'] = str_replace($mediaplayer, "", $vars['content']);
 $vars['content'] = str_replace('[html5_video]', $mediaplayer, $vars['content']);
}
```
- Note that the name of your media player field may be different and require adjusting in the code above

# How It Works (Node Edit Form)

3

[html5\_video]

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[Disable rich-text](#)

Filtered HTML  Full HTML  PHP code [Formatting help](#)

VIDEO:

1

2

 demo-iphone.m4v

3.62 MB

Insert

1. Upload video file.

2. Click Insert with cursor positioned as desired.

3. Placeholder is inserted for video.

# How It Works (Node View)



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```
Profiles Storage Console
margin-left: 0px; height: 236px; ">
<video style="position:absolute" id="mediafront_osm_html5_video_320x240_video"
width='319px' height="236px" src="http://192.168.53.7:8082/sites/default/files/
deno-iphone.m4v" autoplay="autoplay">Unable to display media.</video>
```

Placeholder replaced with appropriate code.  
Enjoy your video!



# Improvements / Gotchas

- Media Mover for multiple codecs and thus fully automated, full cross-browser HTML5 support (no Flash fallback)?
- Multiple videos on same page by accounting for filefield deltas?
- WYSIWYGs & HTML Purifier clean up can interfere with XHTML Standards compliance

# Thank you!



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