

Panels 3: The Power of Chaos Magic



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BADCamp 2009



in a galaxy far far away..

Panels 2 - Tips and Tricks (BADCamp 08)



Panels is our Best Hope

- Marshall Content
- Drag & Drop Layout
- Configurable in the UI
- Views 2 + CCK Integration
- Killer API
- Exportable Elements



“what do you want in your CMS?”



What Does it Do?



your voice on PBS

GO

[PBS Blogs](#) | [Social Media Lab](#) | [Most Popular](#) | [Admin Dashboard](#) | Join us on:   

The Story of India



From the Engage Social Media Gallery, users submit their own **personal stories of India**.

Austin City Limits



Be sad that you were not in Austin to see **Lucinda Williams & OCMS** on ACL!

YOUR CONVERSATIONS

Follow what people are saying about PBS on blogs and social networks everywhere

- FRONTLINE/WORLD . India - Hole in the Wall . Kids-Eye View . Looking Through the Hole in the Wall | PBS Mario A. Núñez via delicious 20 min ago - [Link](#)
- FRONTLINE/WORLD . India - Hole in the Wall . Index page | PBS Mario A. Núñez via delicious 21 min ago - [Link](#)
- PBS - JOHN GARDNER - EDUCATION AND EXCELLENCE Jay Liew via FriendFeed 28 min ago - [Link](#)
- It's My Life . Friends | PBS Kids GO! Gabriel N. via Delicious/tag/kids 1 hour ago - [Link](#)
- Laptop Tips from Current Parents to Incoming Parents robertogreco via delicious 47 min ago - [Link](#)

Posts aggregated by: [@robertogreco](#)

PBS BLOGS

Read and comment on the opinions of Bill Moyers, Mark Glaser and others

TAVIS SMILEY'S YOUNG VOICES

[And Vermont Makes Four ...](#)
4 weeks 6 days ago

BLUEBERRY AMERICA

MOST POPULAR

A sampling of what's popular around PBS.org

Pages

Most Popular PBS Web Pages

1. [Bill Moyers Journal \(Interview with William K. Black\)](#)
2. [Masterpiece](#)
3. [Masterpiece \(Little Dorrit - Video\)](#)

ENGAGE BLOG

Exploring new connections between people, culture, and technology

- [Ask Meteorologist - and Cyberchase Special Guest - Janice Huff About the Weather](#)
April 6, 2009
- [Mixing it Up: How to Make New Content From Old Media](#)



What Does it Do?

The screenshot displays the PBS engage website's dashboard configuration interface. At the top, the PBS engage logo is on the left, and a search bar labeled "search the community" with a "GO" button is on the right. Below the search bar is a navigation menu with "PBS Blogs", "Social Media Lab", "Most Popular", and "Admin Dashboard". To the right of the menu are social media icons for Facebook, Twitter, and YouTube, with the text "Join us on:". The main content area is divided into several widget containers, each with a title bar and a plus sign icon:

- Top left:** Contains a widget titled "Promo: The Story of India" with a dropdown menu showing "Promo: The Story of India".
- Top right:** Contains a widget titled "Promo: Austin City Limits" with a dropdown menu showing "Promo: Austin City Limits".
- Right side:** Contains a widget titled "Your Conversations" with a dropdown menu showing "YOUR CONVERSATIONS".
- First column:** Contains a widget titled "PBS Blogs Homepage" with a dropdown menu showing "PBS BLOGS HOMEPAGE PROMO".
- Second column:** Contains a widget titled "Most Popular" with a dropdown menu showing "MOST POPULAR".
- Third column:** Contains a widget titled "Engage Blog Homepage" with a dropdown menu showing "ENGAGE BLOG HOMEPAGE PROMO".








At the bottom of the configuration area, there are "Save" and "Cancel" buttons.



A Little History...

Panels I (5.x)

Top

-   Custom:
 - [▶ Configure](#)
-    Views: reports_and_white_papers (a view of all of Re Papers)
 - [▶ Configure](#)
-   Views: idea_exchange_browser (Random
 - [▶ Configure](#)

Left side

-  Block: Tags (tagadelic-6)
 - [▶ Configure](#)

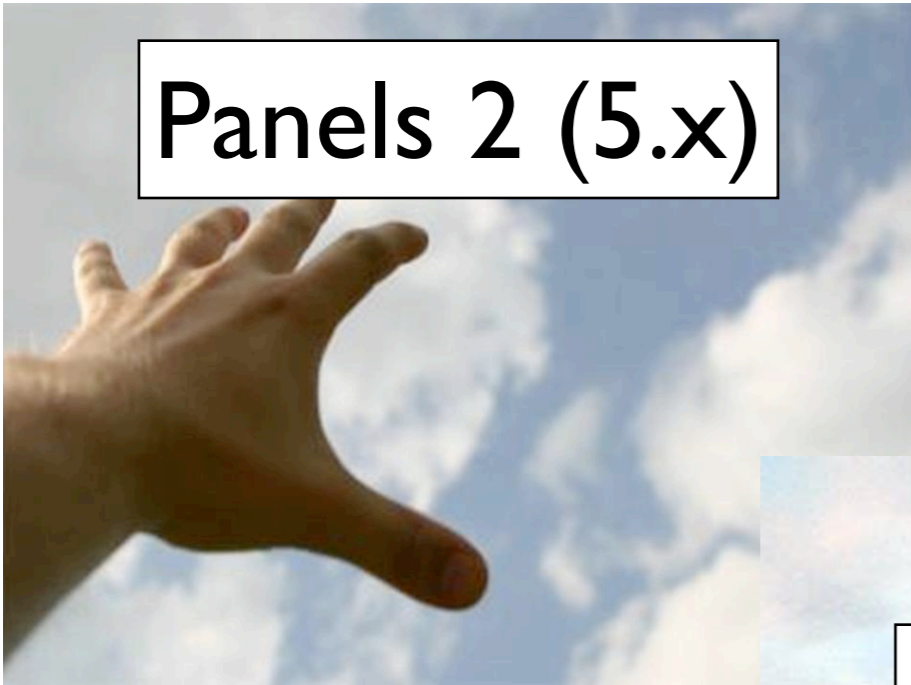
Right side

-  Block (views-la
 - [▶ Confi](#)



A Little History....

Panels 2 (5.x)



Panels 2 (6.x)



the long road...



A Little History...

panels 3.0 released
9.19.09




The Panels Paradigm

No Blocks

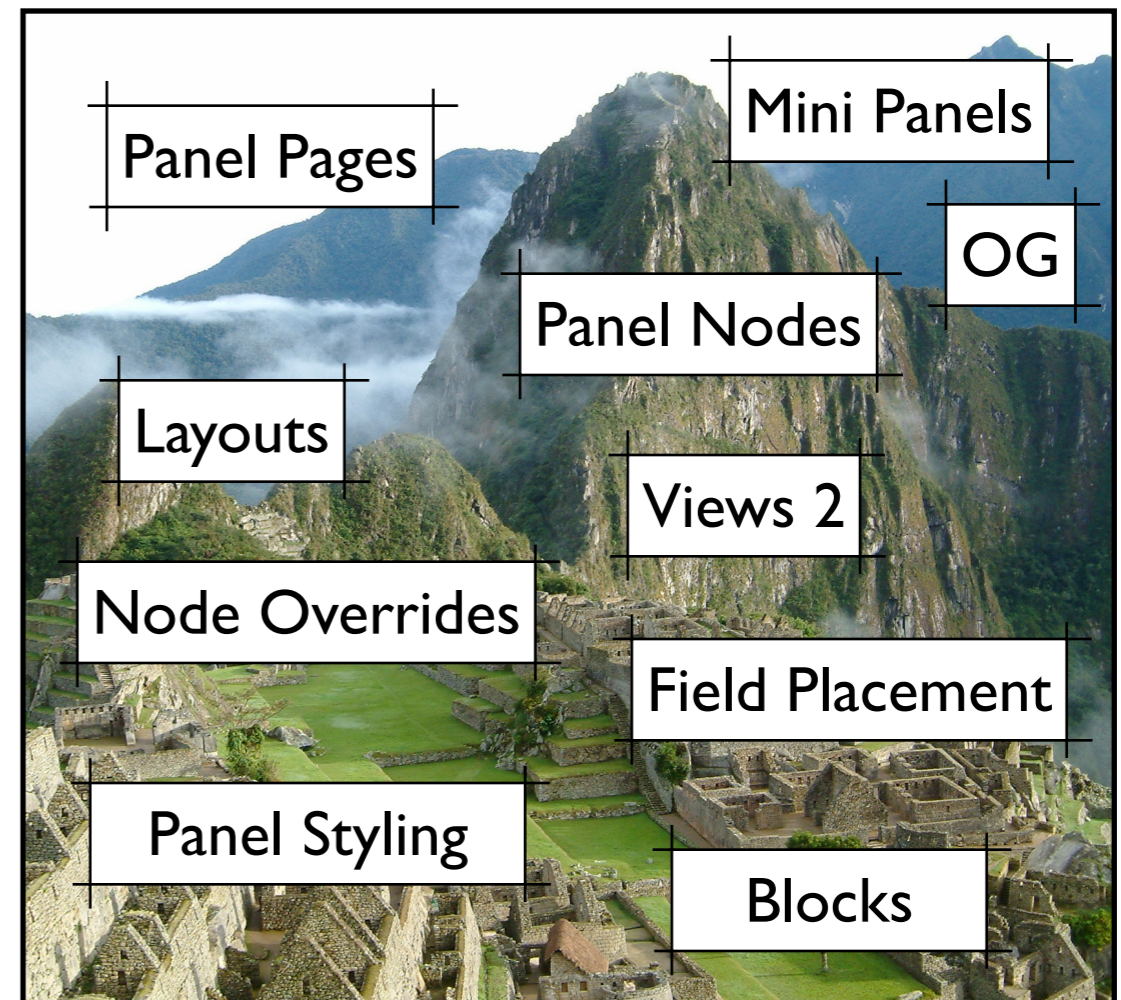
Block
Left sidebar <i>No blocks in this region</i>
Right sidebar <i>No blocks in this region</i>
Content <i>No blocks in this region</i>
Header <i>No blocks in this region</i>
Footer <i>No blocks in this region</i>

Every Page is a Panel

Type	Name	Title	Path
System	search_view-apachesolr_search	Search	/search/apachesolr_search
System	dashboard	Total Control Admin Dashboard	/admin/dashboard
System	 node_view	Node template	/node/%node
System	term_view	Taxonomy term template	/taxonomy/term/%term
System	node_edit	Node add/edit form	/node/%node/edit
Custom	page-frontpage	Front Page	/front
Custom	page-gallery_panel	Gallery	/gallery
Custom	page-news_panel	News	/news
Custom	page-events_panel	Events	/events
Custom	page-groups_panel	Groups	/groups
System	user_view	User profile template	/user/%user



A Tour of Panels



Panels and Chaos Tools



Chaos Tools

a shared suite of APIs and tools
to allow for wizardly development

drupal.org/project/ctools

Panels

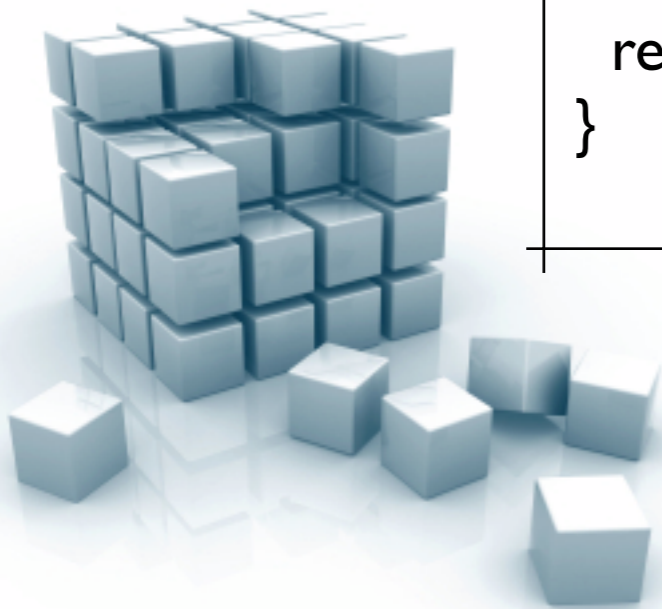
a system of layout and pane
control to create your website

drupal.org/project/panels



The Panels/CTools API

```
/**  
 * Implementation of hook_ctools_plugin_directory() to let  
 * the system know we implement task and task_handler plugins.  
 */  
function module_name_ctools_plugin_directory($module, $plugin) {  
  return 'plugins/' . $plugin;  
}
```



module/plugins/content_types/
module/plugins/layouts/
module/plugins/contexts/
module/plugins/arguments/
module/plugins/tasks/



Extending Panels: Panes

hook_ctools_content_types()

A recipe for a custom panel pane...

```
module_custompane_ctools_content_types()  
+  
module_custompane_content_type_render()  
+  
module_custompane_content_type_edit_form()  
+  
module_custompane_content_type_edit_form_submit()
```

more information in the ctools_plugin_example module

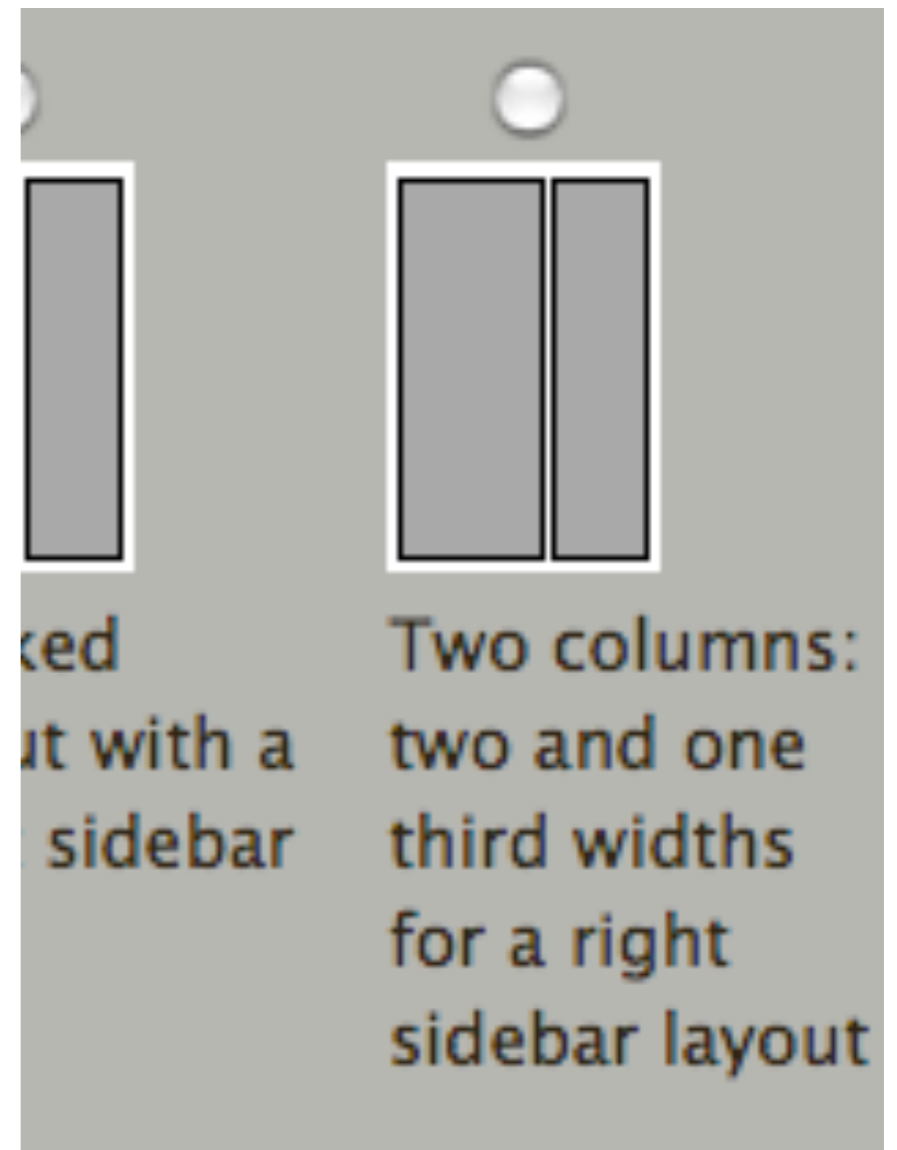


Extending Panels: Layouts

hook_panels_layouts()

A recipe for a custom panel layout...

```
layout_name.css
+
layout_name.inc
+
layout_name.tpl.php
+
layout_name.png
```



Content Creation in Panels

- Panels “Content Types”:
Not Just for CCK!
- Create Content:
Images/Feeds/Embeds

status:

<http://drupal.org/node/451928>

Configure Primary Feature Close Window

Title: * The Story of India

Link for Title: http://www.india.com

Image

Replace: Browse...

Bottom Text: From the Engage Social Media Gallery, users submit their own `personal stories of India`.

Most Popular Engage Blog Homepage



Front Page Scheduling

- Add Date Field to Panel Node Content Type
- Create Custom Callback to Find Current Page
- return `node_view($node)`!

Manage Front Pages

Title	Go Live Date	
Picture Perfect - Two	04-02-2009	edit scheduling
Picture Perfect - One	03-01-2009	edit scheduling

[Add New Front Page](#)

status:

http://drupal.org/project/panels_scheduler



panels-pane.tpl.php

Variables available:

- * - `$pane->type`: the content type inside this pane
- * - `$pane->subtype`: the subtype, if applicable. If a view it will be the view name; if a node it will be the nid, etc.
- * - `$content->title`: The title of the content
- * - `$content->content`: The actual content
- * - `$content->links`: Any associated links
- * - `$content->more`: An optional 'more' link
- * - `$content->admin_links`: Administrative links
- * - `$content->feeds`: Any feed icons or associated with the content

status:

<http://drupal.org/node/583172>
(now in Panels 3.1!)

Why This Matters?

```
<div class="panel-pane panel-pane-<?php print $pane->type; ?>">
```



Node/% Overrides

- Better Node View Control
- The Power of Context
- Customized Sidebars
- Layout UI that Makes Sense

Task handler	Type
+ <ul style="list-style-type: none"> Panel: Node being viewed can be type "PBS Gallery Item" 	Normal

Main

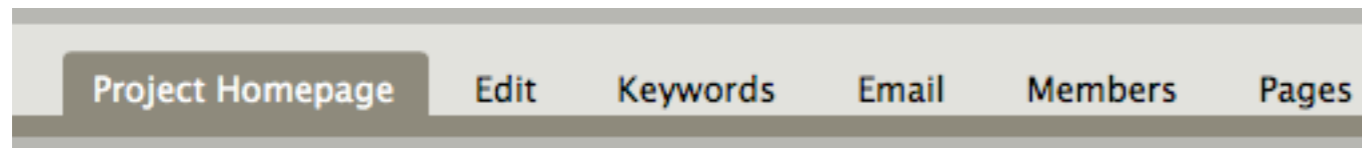
- "Node being viewed" content
 - "Node being viewed" content
- "Node being viewed" comments
 - "Node being viewed" comments
- "Node being viewed" comment form
 - "Node being viewed" comment form

Right side

- Projects Grid Promo
 - Projects Grid Promo
- Showcase Map Promo
 - Showcase Map Promo
- Projects A-Z Promo
 - Projects A-Z Promo



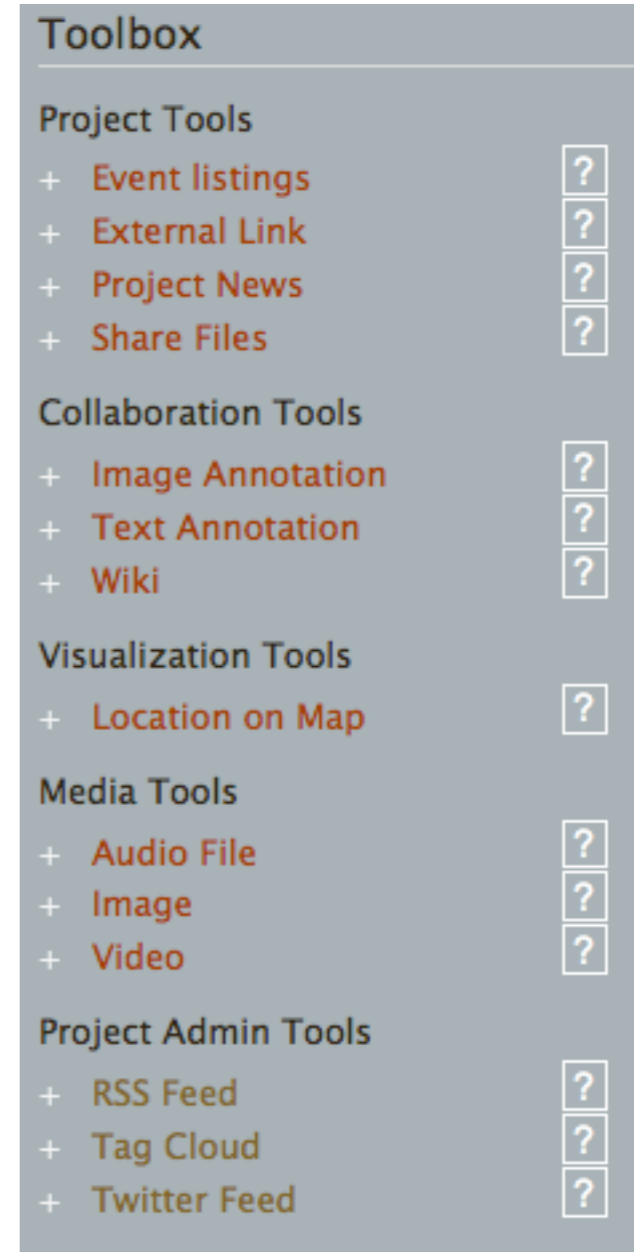
OG Panels



- OG + Panels = Great
- A model for how to have users manage groups

status:

http://drupal.org/project/og_panels



Toolbox

Project Tools

- + Event listings ?
- + External Link ?
- + Project News ?
- + Share Files ?

Collaboration Tools

- + Image Annotation ?
- + Text Annotation ?
- + Wiki ?

Visualization Tools

- + Location on Map ?

Media Tools

- + Audio File ?
- + Image ?
- + Video ?

Project Admin Tools

- + RSS Feed ?
- + Tag Cloud ?
- + Twitter Feed ?



Total Admin Control

- Views 2 + Panels 3 = Admin 5000
- Flexible + Customizable
- The Content Admin Solution

status:
http://drupal.org/project/total_control

All Content
Activity
Comments
Files
Tags
Users

Site Overview

5 blog items with 0 comments (0 spam)
 2 event items
 8 gallery items
 11 page items
 8 profile items
 0 story items
 10 total users | 7 active users | 1 blocked user
 8 users in role: administrative user

Categories and Tags

Approaches: 4 tags | [list tags](#) | [add tag](#)
 Clients: 4 tags | [list tags](#) | [add tag](#)
 Gallery type: 9 tags | [list tags](#) | [add tag](#)
 Keywords: 7 tags | [list tags](#) | [add tag](#)
 Methods: 3 tags | [list tags](#) | [add tag](#)
 Office: 2 tags | [list tags](#) | [add tag](#)

Create New Content

[Add New Approach](#) | [Configure](#)
[Add New Blog](#) | [Configure](#)
[Add New Event](#) | [Configure](#)
[Add New Gallery Item](#) | [Configure](#)
[Add New How Do I](#) | [Configure](#)
[Add New Page](#) | [Configure](#)
[Add New Profile](#) | [Configure](#)
[Add New Quick Link File](#) | [Configure](#)
[Add New Quick Link URL](#) | [Configure](#)

New Content

[Out and about](#) Page
5 days 21 hours ago
[Getting from here to there](#) Page
5 days 21 hours ago
[Chowing down](#) Page
5 days 21 hours ago
[Shipping it](#) Page
5 days 21 hours ago
[Our office](#) Page
6 days 21 hours ago

New Files

New Users

Name
Rob Feature
Josh Koenig
zacker
squiggy
neil
jlaw
jen
matt
root

Recent

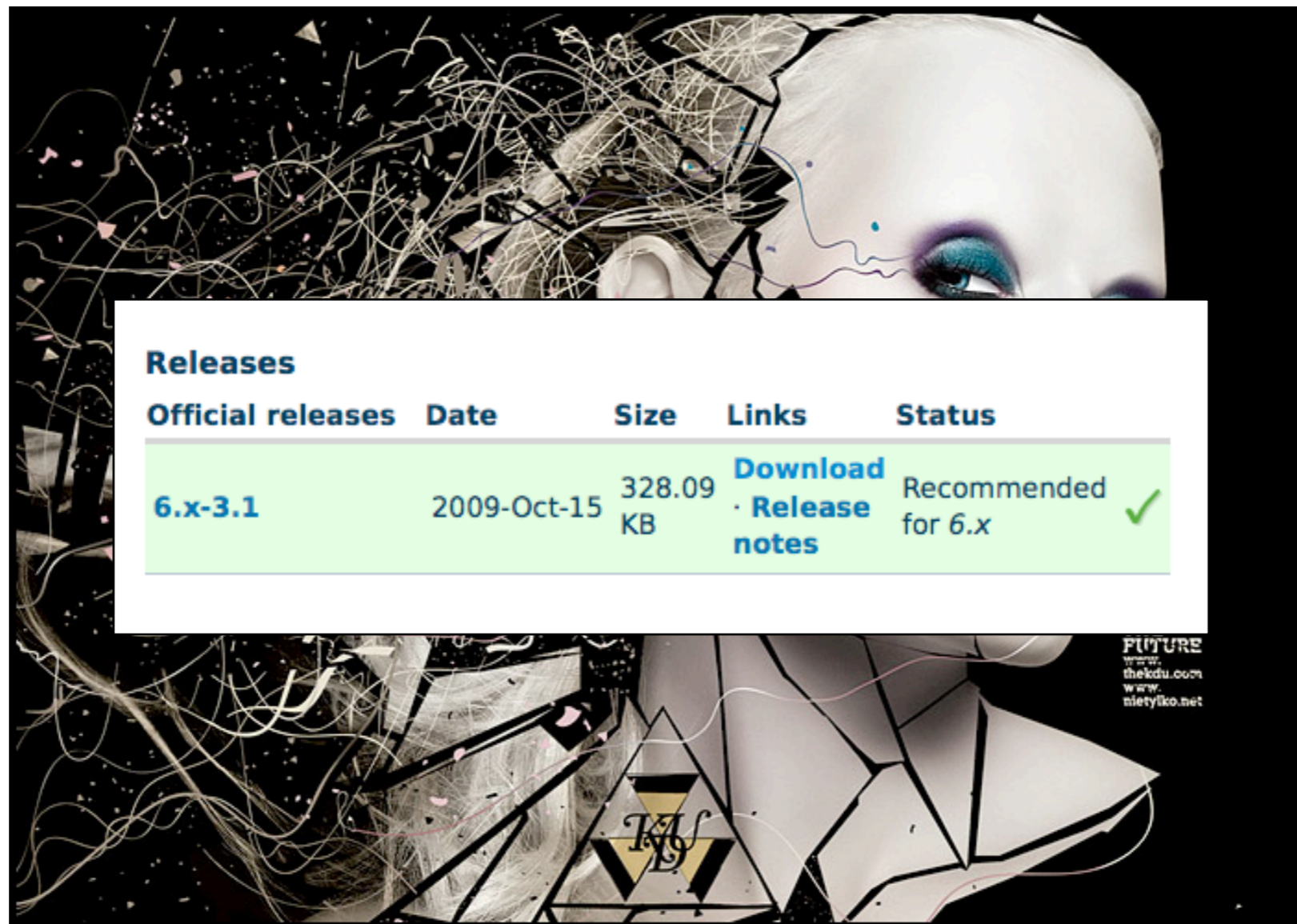
[this is a gre](#)
 16 hours 30
[475 Branne](#)
 5 days 19 h
[Testing Cor](#)
 2 weeks 1 c
[comment te](#)
 2 weeks 3 c
[Where doe](#)
 2 weeks 3 c
[Comment t](#)
 2 weeks 3 c

[more](#)



The Future Is Now

released



Releases				
Official releases	Date	Size	Links	Status
6.x-3.1	2009-Oct-15	328.09 KB	Download · Release notes	Recommended for 6.x ✓

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