



Fresh from the Gardens - Drupal 7

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Designers will love Drupal 7

Buh-Bye Tables

Screenshot

Name

Version

Enabled

Default

Operatio



Bluemarine

Table-based multi-column theme with a marine and ash color scheme.

6.14



Chameleon

Minimalist tabled theme with light colors.

6.14



Garland

Tableless, recolorable, multi-column, fluid width theme (default).

6.14



[configu](#)



Marvin

Boxy tabled theme in all grays.

6.14



Minnelli

Tableless, recolorable, multi-column, fixed width theme.

6.14







Pushbutton

6.14



No more table-based themes

SCREENSHOT	NAME	VERSION	ENABLED	DEFAULT	OTHER
	Garland Tableless, recolorable, multi-column, fluid width theme.	7.x-dev	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>	co
	Minnelli Tableless, recolorable, multi-column, fixed width theme.	7.x-dev	<input type="checkbox"/>	<input type="radio"/>	
	Seven A simple one-column, tableless, fluid width administration theme.	7.x-dev	<input checked="" type="checkbox"/>	<input type="radio"/>	co
	Stark This theme demonstrates Drupal's default HTML markup and CSS styles. To learn how to build your own theme and override Drupal's default code, you should start reading the Theming Guide .	7.x-dev	<input type="checkbox"/>	<input type="radio"/>	

► ADMINISTRATION THEME

Semantics matter

- Blocks have meaningful IDs
 - Drupal 6: block-poll-0
 - Drupal 7: block-poll-recent

 - Drupal 6: block-profile-0
 - Drupal 7: block-profile-author-information

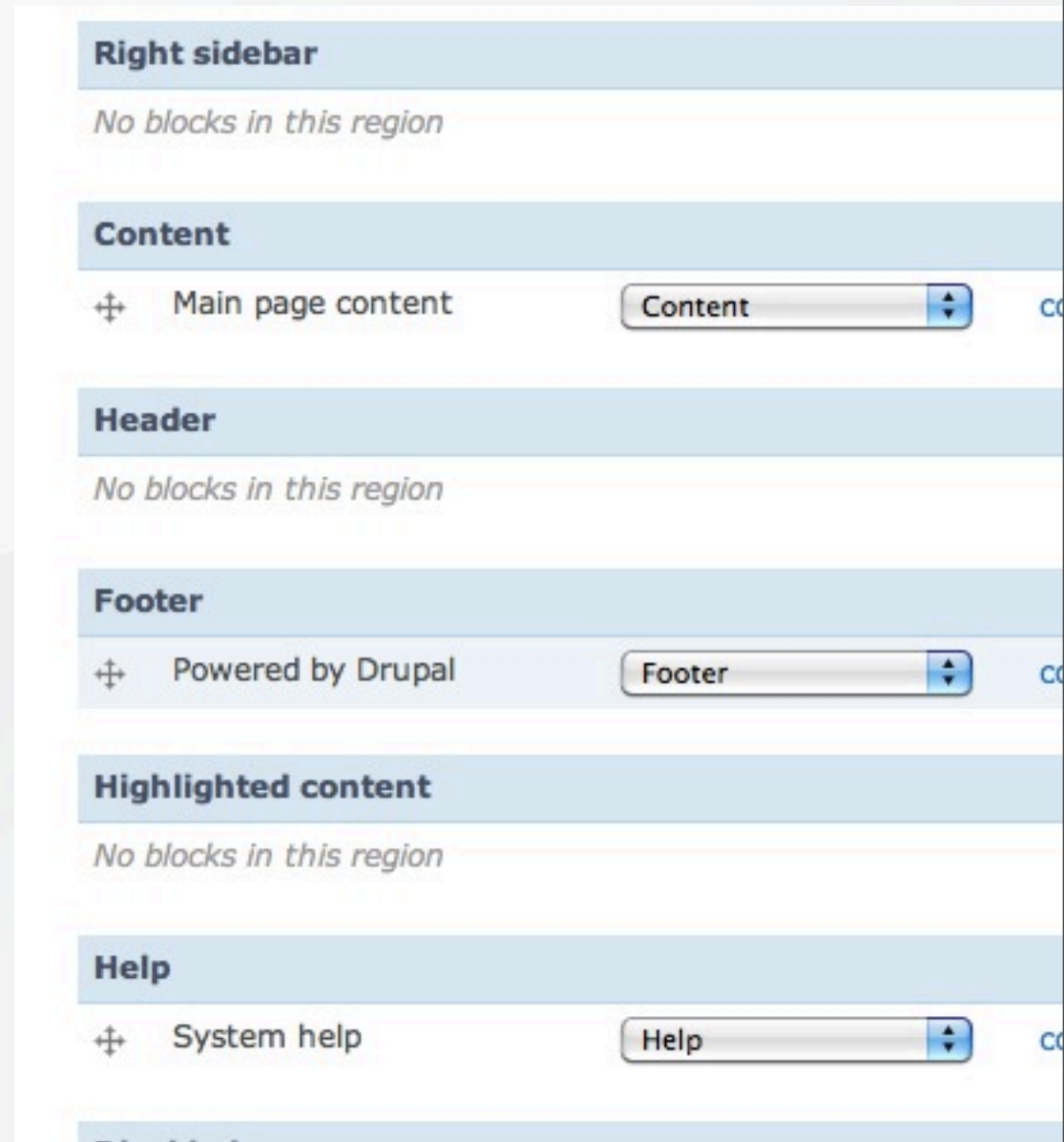
Regions Everywhere

☹ New regions include

- \$content
- \$help
- \$highlight

☹ No more

- \$mission
- \$footer_message



The screenshot displays the Drupal theme configuration interface for various regions. Each region has a title bar, a status message, and a list of blocks with their assigned content types.

- Right sidebar**: No blocks in this region.
- Content**: Contains one block, "Main page content", assigned to the "Content" content type.
- Header**: No blocks in this region.
- Footer**: Contains one block, "Powered by Drupal", assigned to the "Footer" content type.
- Highlighted content**: No blocks in this region.
- Help**: Contains one block, "System help", assigned to the "Help" content type.

\$content is an array

```
<?php if ($display_submitted): ?>
  <span class="submitted"><?php print $date; ?> - <?php print $name; ?></span>
<?php endif; ?>

<div class="content clearfix">
  <?php
    // We hide the comments and links now so that we can render them later.
    hide($content['comments']);
    hide($content['links']);
    print render($content);
  ?>
</div>

<div class="clearfix">
  <?php if (!empty($content['links']['terms'])): ?>
    <div class="meta">
      <div class="terms"><?php print render($content['links']['terms']); ?></div>
    </div>
  <?php endif; ?>

  <?php if (!empty($content['links'])): ?>
    <div class="links"><?php print render($content['links']); ?></div>
  <?php endif; ?>

  <?php print render($content['comments']); ?>
</div>
```

And lots more

- Attach CSS/JS to individual elements
- .element-hidden and .element-invisible
- primary links -> main menu
- clear-block -> clearfix
- ~~box.tpl.php~~

Robots love Drupal 7

- Writing tests with code makes you define the problem you're trying to solve more completely
- Once-fixed always fixed
- Robots!!!!
-

[Home](#)

Configuration docs

- [PIFR 1 on Ubuntu \(deekayen\)](#)
- [PIFR 2 FAQs](#)
- [PIFR 2 on Centos \(Amazon\)](#)
- [PIFR 2 on Debian \(Amazon\)](#)
- [PIFR 2 on Debian \(deekayen\)](#)
- [Performance tuning](#)

13760 patches tested!

Query:

Status

Queue



Capacity



Slaves

Slave ID

Status

29

Free

44

Free

40

Busy

36

Busy

38

Busy

42

Free

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94589 tests run!



testing.drupal.org Let no patch go untested

[Home](#)

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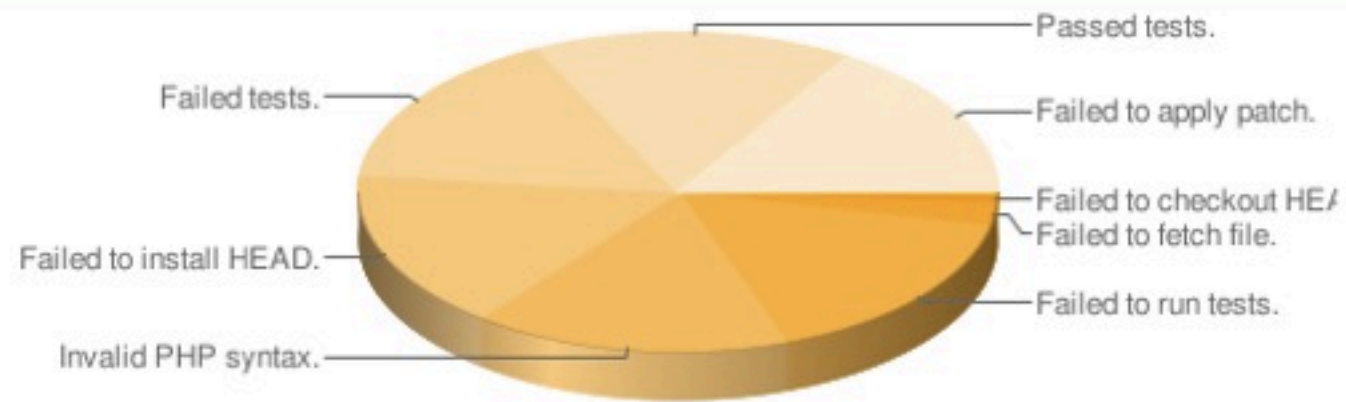
13760 patches tested!

Query:

Search

Stats

Testing result breakdown



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94589 tests run!

#13

Dries - September 16, 2009 - 03:42

Status: [needs work](#) » [needs review](#)

Here is a Drupal 7 patch with tests. I think this is RTBC now. :-)

Attachment

Size

[drupal_http_request_drupal7.patch](#) 4.47 KB

Testbed results

[drupal_http_request_drupal7.patch](#) passed Passed: 12992 passes, 0 fails, 0 exceptions [Detailed results](#)

#15

Dries - September 16, 2009 - 03:54

And here is a patch for Drupal 5.

Attachment

Size

[drupal_http_request_fixes_drupal5.patch](#) 1.74 KB

Testbed results

[drupal_http_request_fixes_drupal5.patch](#) failed Failed: Failed to apply patch. [Detailed results](#)

#16

System Message - September 16, 2009 - 04:05

Status: [needs review](#) » [needs work](#)

The last submitted patch [failed testing](#).

Users love Drupal 7



Drupal

► **Choose profile**

Choose language

Verify requirements

Set up database

Install profile

Configure site

Finished

Select an installation profile

- Drupal**
Create a Drupal site with the most commonly used features pre-installed.
- Drupal (minimal)**
Create a Drupal site with only required modules enabled.

[Save and continue](#)

Site configuration options

Server settings

Default country

No default country

Select the default country for the site.

Default time zone

America/New York: Saturday, September 19, 2009 - 00:53 -0400

By default, dates in this site will be displayed in the chosen time zone.

Update notifications

Check for updates automatically

Receive e-mail notifications

The system will notify you when updates and important security releases are available for installed components. Anonymous information about your site is sent to Drupal.org.

Rationalized default front page

Content Structure Appearance People Configuration and modules Reports Help

Add content

Find content

Dashboard



drupal7

Search this site

Search

Management

▷ Add new content

▷ Administer

Welcome to drupal7

No front page content has been created yet.

- [Create content](#)
- [Change the default front page](#)



Friendly Password Reminders

Password: *

Password strength: **Low**

Confirm password: *

Passwords match: **No**

It is recommended to choose a password that contains at least six characters. It should include numbers, punctuation, and both upper and lowercase letters.

Provide a password for the new account in both fields.

Password *

Confirm password *

Password strength:

Passwords match: **no**

To make your password stronger:

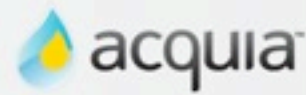
Make it at least 6 characters

Add uppercase letters

Add numbers

Add punctuation

Vertical tabs replace many fieldsets in UI



E-mails

Welcome (new user created by administrator)

Welcome (awaiting approval)

Welcome (no approval required)

Account activation

Account blocked

Account cancellation confirmation

Account canceled

Password recovery

Customize welcome e-mail messages sent to new member accounts created by an administrator. Available tokens: !uri_brief, !mailto, !date, !login_uri, !edit_uri, !login_url, !cancel_url.

Subject

An administrator created an account for you at !site

Body

!username,

A site administrator at !site has created an account for you. You may now log in to !site with the following password:

username: !username

password: !password

You may also log in by clicking on this link or copying and pasting it in your browser:

!login_url

This is a one-time !login_url, so it can be used only once.

After logging in, you will be redirected to !edit_uri so you can change your password.

Several changes to Users

ADMINISTRATOR ROLE

Administrator role

administrator ▼

This role will be automatically assigned new permissions whenever a module is enabled. Changing this setting will not affect existing

When cancelling a user account

- Disable the account and keep all content.
- Disable the account and unpublish all content.
- Delete the account and make all content belong to the *Anonymous* user.
- Delete the account and all content.

Users with the *Select method for cancelling account* or *Administer users* [permissions](#) can override this default method.

Change own username

Select a different username.

Cancel account

Remove or disable own user account and unpublish, anonymize, or remove own submissions depending on the configured [user settings](#).

Select method for cancelling own account

Select the method for cancelling own user account. *Warning: Give to trusted roles only; this permission has security implications.*

User Permissions and Admin role

Hide descriptions

PERMISSION	ANONYMOUS USER	AUTHENTICATED USER	ADMINISTRATOR
Block			
Administer blocks Select which blocks are displayed, and arrange them on the page.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comment			
Administer comments Manage and approve comments, and configure comment administration settings.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Access comments View comments attached to content.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Post comments Add comments to content (approval required).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Post comments without approval Add comments to content (no approval required).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filter			
Administer filters Manage text formats and filters, and select which roles may use them. <i>Warning: Give to trusted roles only; this permission has security implications.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Options for canceling account

Are you sure you want to cancel your account?

When cancelling your account

- Disable the account and keep all content.
- Disable the account and unpublish all content.
- Delete the account and make all content belong to the *Anonymous* user.
- Delete the account and all content.

Select the method to cancel the account above. This action cannot be undone.

[Cancel](#)

Mix Public/Private Files

Public file system path

A local file system path where public files will be stored. This directory must exist and be writable by Drupal. This directory must be relative to the Drupal installation over the web.

Private file system path

A local file system path where private files will be stored. This directory must exist and be writable by Drupal. This directory should not be accessible over the web.

Temporary directory

A local file system path where temporary files will be stored. This directory should not be accessible over the web.

Default download method

- Public local files served by the webserver.
- Private local files served by Drupal.

This setting is used as the preferred download method. The use of public files is more efficient, but does not provide any access control.

Save configuration

Let everybody in

- Improved Internationalization
 - Language aware search
 - Translation interface
 - Translatable fields
 - Message contexts for short words
- Enhanced accessibility features
- Native Image Handling
 - Image
 - Imagecache

Security

- Stronger password hashing
- Ability to limit login attempts
- Updates by permission vs. User 1
- PHP filter has a global ability to remove “enter php”

Programmers love Drupal 7

Requires modern tools



Version 8.3

MySQL 5.0



Hooks are sane

- ~~hook_nodeapi()~~
- Replaced by
 - hook_node_load()
 - hook_node_view()
 - etc...
- Same for hook_user()
- ~~db_rewrite_sql()~~
- hook_query_alter()

```
<?php
// Drupal 6
$result = db_query("SELECT nid, title FROM {node} WHERE uid = %d AND type = '%s'", 5,
'page');

// Drupal 7
$result = db_query("SELECT nid, title FROM {node} WHERE uid = :uid AND type = :type", array(
  ':uid' => 5,
  ':type' => 'page',
));
?>
```

```
<?php
// Drupal 6
db_query("INSERT INTO {mytable} (intvar, stringvar, floatvar) VALUES (%d, '%s', %f)", 5,
'hello world', 3.14);
$id = db_last_insert_id();

// Drupal 7
$id = db_insert('mytable')
  ->fields(array(
    'intvar' => 5,
    'stringvar' => 'hello world',
    'floatvar' => 3.14,
  ))
  ->execute();
?>
```

More DBTNG queries

```
<?php
// Drupal 6
db_query("DELETE FROM {node} WHERE uid=%d AND created < %d", 5, time() - 3600);

// Drupal 7
db_delete('node')
  ->condition('uid', 5)
  ->condition('created', time() - 3600, '<')
  ->execute();
?>
```

```
<?php
// Drupal 6
db_query("UPDATE {node} SET title='%s', status=%d WHERE uid=%d", 'hello world', 1, 5);

// Drupal 7
db_update('node')
  ->fields(array('title' => 'hello world', 'status' => 1))
  ->condition('uid', 5)
  ->execute();
?>
```

```
<?php
// Drupal 6
while ($record = db_fetch_object($result)) {
  // Do stuff with $record, which is an object
}

// Drupal 7
foreach ($result as $record) {

  // Do stuff with $record, which is an object
}
?>
```

Added many goodies to Core

- CCK
- CCK
- CCK
- Admin Role
- Some of FeedAPI
- File Field
- Image
- Image API
- ImageCache

More additions

- 🔹 Install Profile API
- 🔹 Poormans Cron
- 🔹 Token
- 🔹 CCK
- 🔹 CCK
- 🔹 CCK

Field Types in Core

- Boolean
- Number (Float/Integer/Decimal)
- File
- List
- Text (Textarea)
- Taxonomy Term
- Node Body

Objects that get fields

- ☉ Node
- ☉ Users
- ☉ Comments
- ☉ Taxonomy

Multi-load queries

- `node_load_multiple()`
- `file_load_multiple()`
- `taxonomy_term_load_multiple()`
- `taxonomy_vocabulary_load_multiple()`
- `user_load_multiple()`

Lots of common sense

- Better handling of path aliases
- InnoDB default table types
- CDN file support
- Proxy/Reverse proxy support

What's Gone???

💧 Modules removed

- BlogAPI
- Ping
- Throttle
- Upload

💧 Access rules

💧 Minimum number of words in body

💧 User-selectable themes

💧 Comment display options

Designers will love Drupal 7
Robots will love Drupal 7
Users will love Drupal 7
Programmers will love Drupal 7
All will
Love Drupal 7

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How to get started

🔹 Resources on drupal.org

- <http://drupal.org/update/modules/6/7>
- <http://drupal.org/update/theme/6/7>
- <http://drupal.org/project/coder>

Not like D5 to D6: #d7cx

And now for something totally different...
(made from Drupal 7)



Drupal Gardens

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