

INTRO TO DRUPAL



The Eleventh Annual Southern California Linux Expo
February 22-24, 2013
Hilton Los Angeles International Airport

February 23, 2013



www.the-lakewood-group.com



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AGENDA

- Drupal Overview
- Site Building
- Theming
- Module Development
- Q & A

ADVENTURE TRAVEL

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Home



[Back Country Ski Tour](#)
[Previous](#) [Pause](#) [Next](#)

Whether you've stumbled across our website while looking for unforgettable holidays or you're a seasoned veteran of our incredible trips, welcome to the greatest adventures on Earth. dsdsdg

Your passion for adventure—exploring new places and experiencing new things—is the heart of our business, and we're thrilled at the prospect of showing you the world as you've never seen it.

For over 20 years, we've had our finger firmly on the pulse of adventure travel, and have worked hard to make it beat faster by offering the widest selection of affordable small-group tours, safaris and expeditions across the world.

Upcoming Tours


[Hang Glide Rio](#)


[Mountain Bike Slickrock](#)


[Back Country Ski Tour](#)

Adventure Travel
600-123-4567
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752 Fifth Avenue, San Diego, CA 92101

WHAT DO THESE THREE THINGS HAVE IN COMMON?



douglaschoffman.com/downloads.html

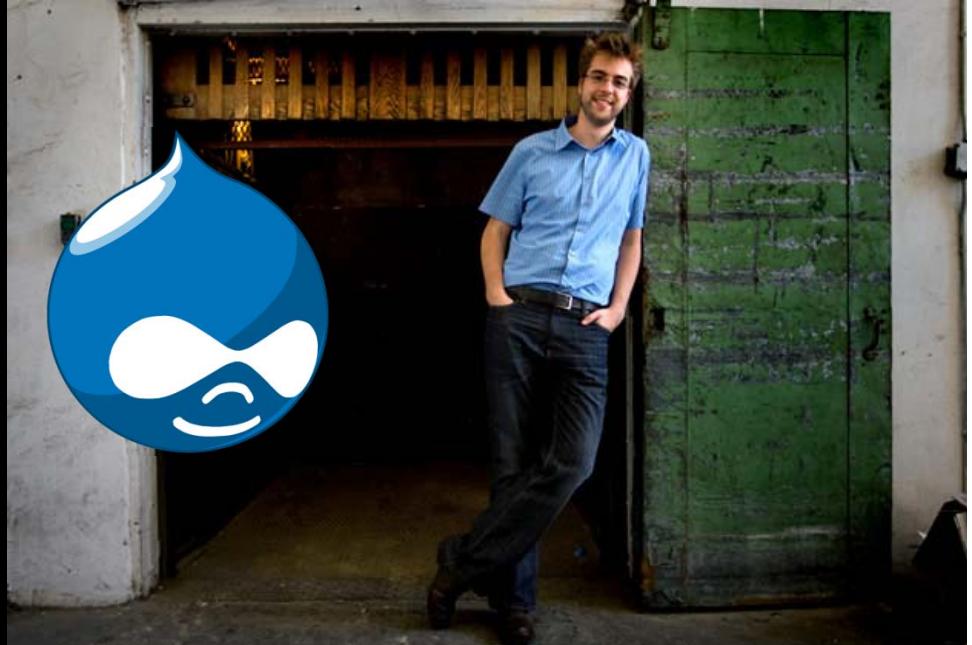
What is Drupal?



<http://www.youtube.com/watch?v=rF1X12PE6PY>

WHAT IS DRUPAL? DRIES BUYTAERT

Dries started a small bulletin board for his friends. He called it "dorp" the Dutch word for village, but a typo when he registered the domain made it drop.org. In 2001, Dries released it as open source and named it Drupal which is Dutch for drop.



WHO, WHAT & WHERE Is DRUPAL?



938,104 people in 228 countries* speaking 181 languages power Drupal.



News

Docs Updates

Forum Posts

Commits

Drupal 7.20 released

February 20, 2013

Drupal 7.20, a maintenance release which contains fixes for security vulnerabilities, is now available for download. See the [Drupal 7.20 release notes](#) for further information. [Read more](#)

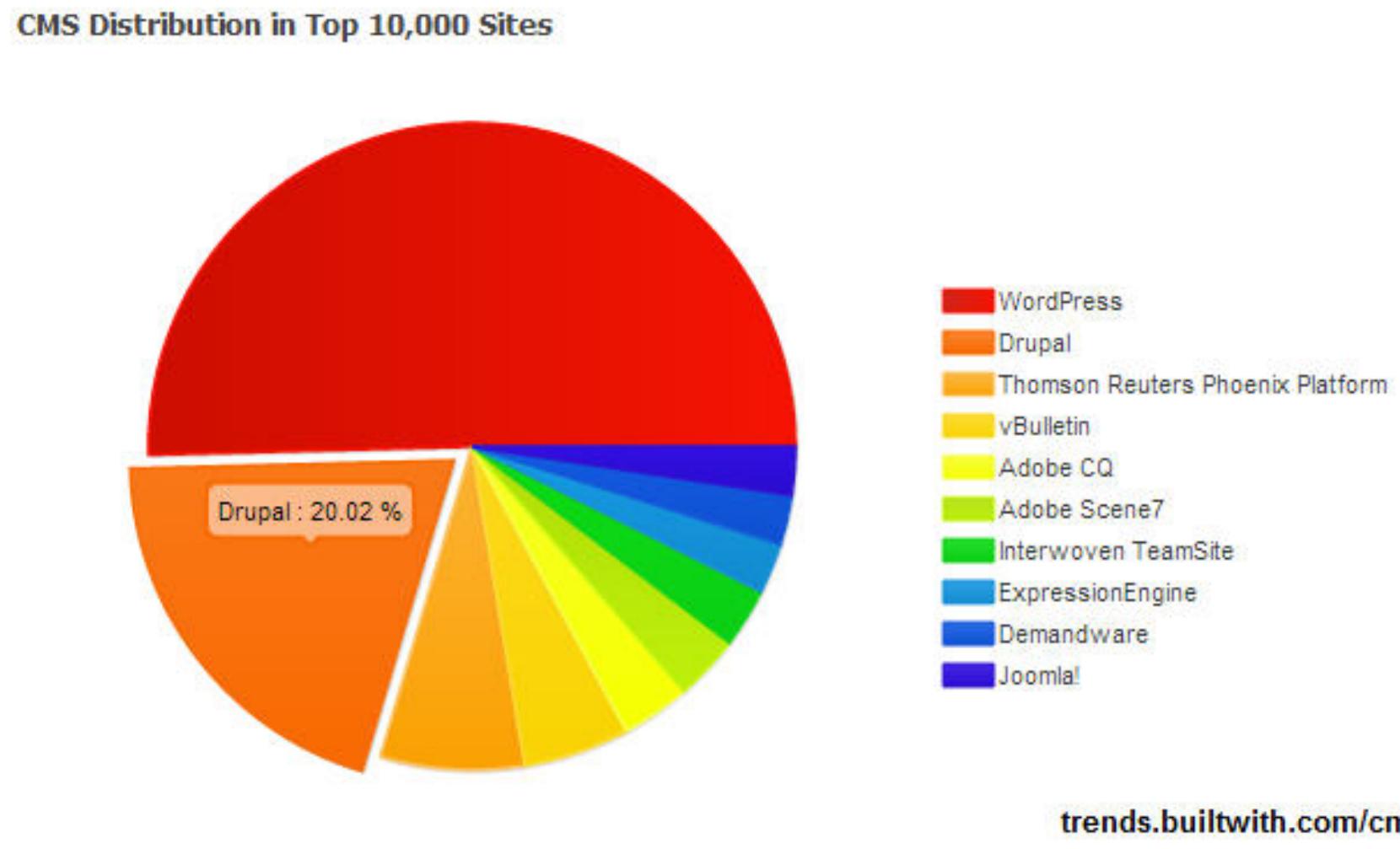
Drupal 7.19 and 6.28 released

[Predictions for 2013](#)

Drupal 7.18 and 6.27 released

[More news...](#)

DRUPAL POWERS 20% OF TOP 10,000



WHO, WHAT & WHERE Is DRUPAL?

The Economist website homepage featuring a banner at the top with the text "Your customer is talking. Are you listening?" and a call-to-action "Get 4 FREE trial issues >>". The main navigation bar includes links for Log in, Register, My account, Subscribe, Digital & mobile, Newsletters, RSS, Jobs, Help, and a search bar. The date Wednesday August 24th 2011 is displayed. The page content includes a chart titled "Jobs and job cuts at the world's largest corporate employers" showing growth percentages for various companies, and several articles and sections such as "The war in Libya", "Nearing the end", "Dominique Strauss-Kahn", "What sort of homecoming?", "Daily chart: The world's biggest corporate employers", "Debate", and "The Economist Asks". A sidebar on the left offers a subscription deal: "Subscribe today and receive...". An advertisement for Philips is visible at the bottom right.

The Economist

20-30 million page views per month and 3-4 million unique visitors per month

Over 3 million registered users

Posting rate exceeds a comment per minute

WHO, WHAT & WHERE Is DRUPAL?

CONNECT WITH FAST COMPANY:

Login or Sign In

FAST COMPANY "hip & friendly"

TECHNOLOGY DESIGN ETHONOMICS LEADERSHIP MAGAZINE | NEWSLETTERS | JOBS | SUBSCRIBE | Google Custom Search

Aloft "Top 10 Trendiest Hotels in the U.S." by Trip Advisor click to expand +



Ticketmaster Teams With Facebook So You Can Sit Next To Your Friends

The Navy Likes Google+ Because Facebook Isn't Private Enough



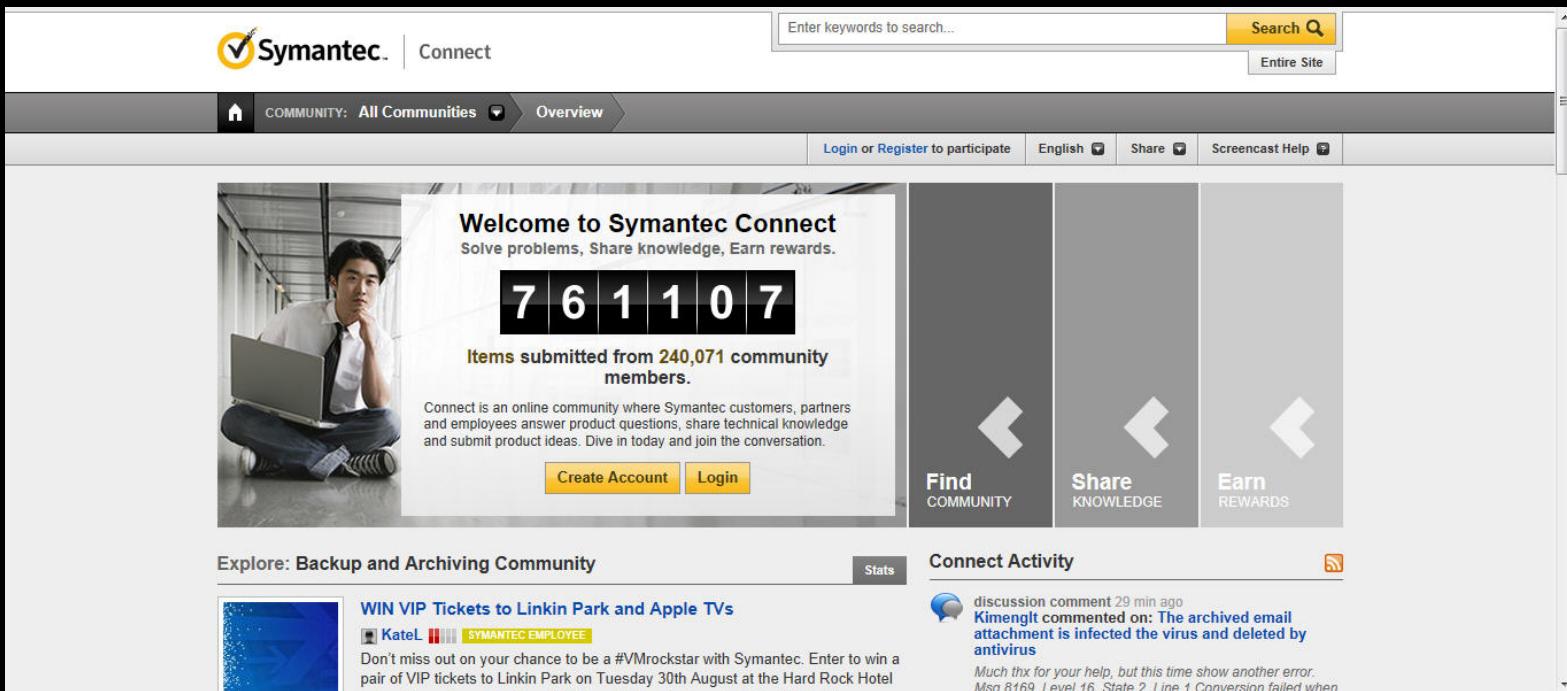
Aloft Hotels ranked among
**"Top 10 Trendiest Hotels
in the U.S."**
by TripAdvisor®



Fast Company

15 million unique visitors per month

WHO, WHAT & WHERE Is DRUPAL?



The screenshot shows the homepage of the Symantec Connect community. At the top, there's a navigation bar with the Symantec logo, a search bar, and links for "Connect", "Enter keywords to search...", "Search", and "Entire Site". Below the navigation is a header with "COMMUNITY: All Communities" and "Overview" buttons, along with links for "Login or Register to participate", "English", "Share", and "Screencast Help". The main content area features a large image of a person sitting on the floor with a laptop, followed by a "Welcome to Symantec Connect" message: "Solve problems, Share knowledge, Earn rewards." A large digital clock displays "7 6 1 1 0 7". Below it, a statistic says "Items submitted from 240,071 community members." A descriptive text explains what Connect is: "Connect is an online community where Symantec customers, partners and employees answer product questions, share technical knowledge and submit product ideas. Dive in today and join the conversation." There are three buttons: "Create Account" and "Login" (both in yellow), and "Find COMMUNITY". To the right, there are three grey boxes with arrows pointing left: "Share KNOWLEDGE" and "Earn REWARDS". Below this, a section titled "Explore: Backup and Archiving Community" shows a post by "KateL SYMANTEC EMPLOYEE" about winning VIP tickets to Linkin Park and Apple TVs. The post includes a small profile picture of KateL. A "Stats" button is next to the explore section. On the right, there's a "Connect Activity" feed with a recent comment from "Kimenglit" about an infected email attachment.

Symantec Connect
3,000,000+ unique page views each month
More than 206,000+ registered users
Content base with 600,000+ combined nodes and comments

WHO, WHAT & WHERE Is DRUPAL?

The screenshot shows the official website of the White House under President Barack Obama. At the top, the navigation bar includes links for 'the WHITE HOUSE' (with a sub-link 'PRESIDENT BARACK OBAMA'), 'BLOG', 'PHOTOS & VIDEO', 'BRIEFING ROOM', 'ISSUES', 'the ADMINISTRATION', 'the WHITE HOUSE', and 'our GOVERNMENT'. The main content area features a large video thumbnail of President Obama sitting in a rustic setting, likely a farm store, speaking. To the left of the video, the text reads 'Your WEEKLY ADDRESS' and describes his speech about the economy. Below the video are navigation controls (1, 2, 3, 4) and a 'Watch the Video' button. On the right, there's a search bar with the placeholder 'SEARCH the SITE' and a 'Search' button. A sidebar on the left lists 'FEATURED TOPICS' with small thumbnail images.

WhiteHouse.org

Other Government Sites

Dept. of Commerce, World Economic forum, US House of Representatives

WHO, WHAT & WHERE Is DRUPAL?



Federal IT Dashboard

Federal government technology investment information - \$75 billion budget
Contributed back to the Drupal open source organization - <http://drupal.org/node/1100308>

WHO, WHAT & WHERE Is DRUPAL?

The screenshot shows the official website for Comic-Con International, San Diego. At the top, there's a navigation bar with links for HOME, COMIC-CON INTERNATIONAL, WONDERCON ANAHEIM, APE, and TOUCAN BLOG. Below the navigation is a search bar with a 'Go' button. To the right of the search bar is a 'CLICK HERE TO SIGN UP FOR OR LOG IN TO MEMBER ID' button. The main header features the 'SAN DIEGO COMIC CON INTERNATIONAL' logo and the text 'COMIC-CON® INTERNATIONAL: SAN DIEGO'. A speech bubble on the right side reads: 'The Official Website of COMIC-CON INTERNATIONAL, WONDERCON and APE, the ALTERNATIVE PRESS EXPO.' Below the header, there's a grid of images showing guests: a WonderCon Anaheim logo, Matt Kindt, Matt Layman, R. J. Parker, and Bell & Vallejo. A banner below the grid says 'WonderCon Anaheim Adds More Guests' and 'Five more great special guests added to the line-up!'. At the bottom of the page, there's a 'MISSION STATEMENT' section, a copyright notice for 2013, and a footer with links for ABOUT, FORMS, PRIVACY POLICY, SITE MAP, TERMS OF USE, and CONNECT WITH US.



THE CMS LANDSCAPE

- **Drupal** – “Enterprise Class”
but not for the faint of heart!
- **Joomla** – Chaotic code base,
big in government
- **WordPress** – Blogging, smaller sites,
easier to get up and running, but doesn’t
scale nor have the enterprise
development tools
- **SharePoint** – Corporate intranets

SITE BUILD IN 7 EASY STEPS

Step 1 – Install Drupal, Modules and Libs

Step 2 – Content types, Fields and Taxonomy

Step 3 – User, Roles and Permissions

Step 4 – Themes, Blocks, Regions and Menus

Step 5 – Views

**Step 6 – Other stuff: Image Styles, Pathauto,
Webforms and CAPTCHA**

Step 7 - Themes

STEP 1 – GET DRUPAL RUNNING

Setup a development environment

Create an empty mySQL database

Download Drupal core, modules and themes

Download javascript libraries

Load files into your development environment

Run Drupal installation script

Setup WYSIWYG editor

LAMP/WAMP/MAMP ARCHITECTURE

L – Linux

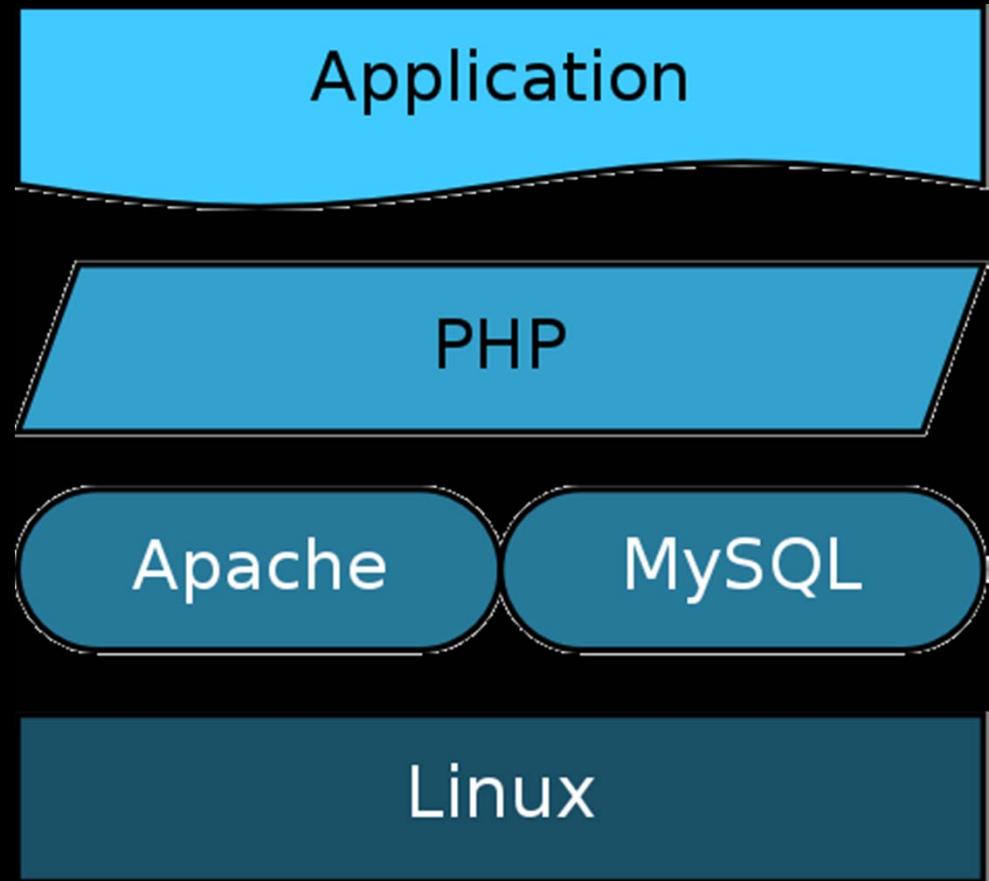
W – Windows

M – Mac OS

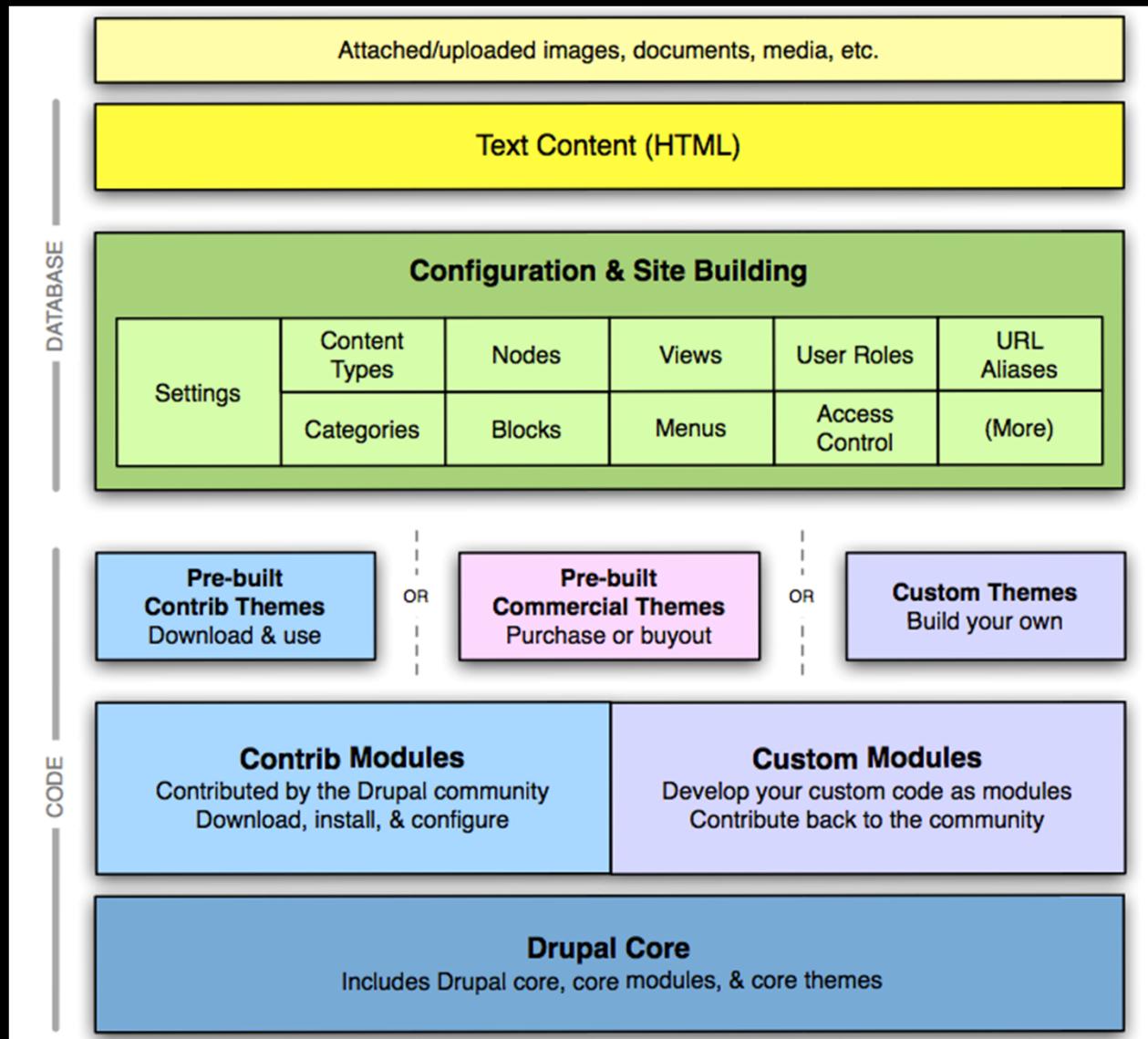
A – Apache

M – MySQL

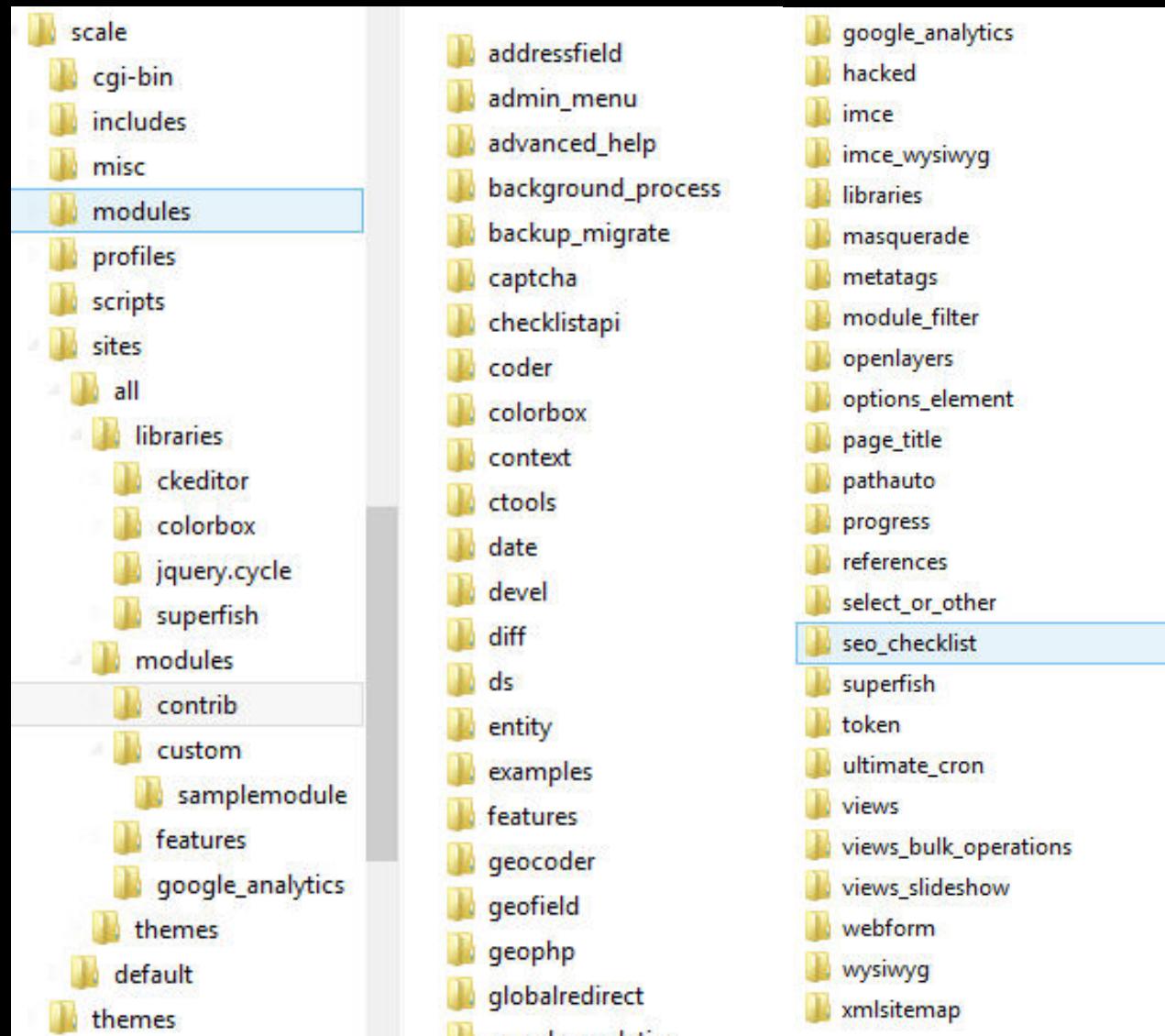
P – PHP



ARCHITECTURE – DON’T HACK CORE!



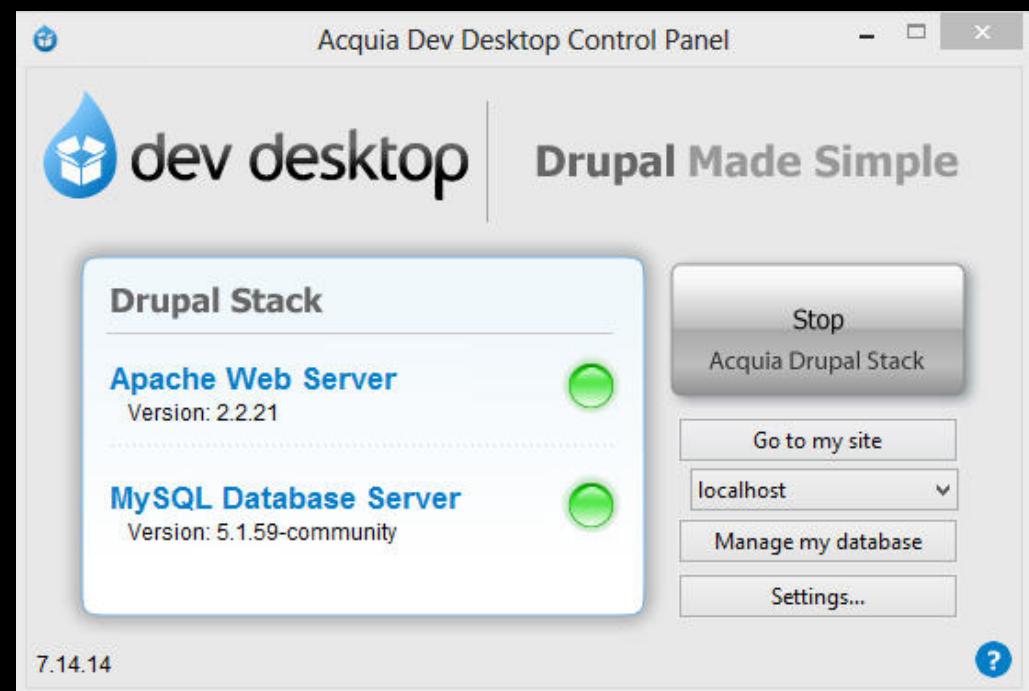
ARCHITECTURE – DON'T HACK CORE!



LOCAL DEVELOPMENT ENVIRONMENT



WAMP Server



Acquia Dev Desktop

DRUPAL MODULES

Dashboard Content Structure Appearance People Modules Configuration Reports Advanced help Help

Search 0 / 0 admin Log out

Home > Administration

Modules

LIST **UPDATE** **UNINSTALL**

Download additional [contributed modules](#) to extend Drupal's functionality.

Regularly review and install available updates to maintain a secure and current site. Always run the `update` script each time a module is updated.

[+ Install new module](#)

All 96 of 180	Filter list				
	ENABLED	NAME	VERSION	DESCRIPTION	OPERATIONS
Administration	<input type="checkbox"/>	Action example	7.x-1.x-dev	Demonstrates providing actions that can be associated to triggers. (Code review) Requires: Trigger (disabled)	
Chaos tool suite	<input type="checkbox"/>	Actions permissions (VBO)	7.x-3.1	Provides permission-based access control for actions. Used by Views Bulk Operations. (Code review)	
Context	<input checked="" type="checkbox"/>	Address Field	7.x-1.0-beta3	Manage a flexible address field, implementing the xNAL standard. (Code review) Requires: Chaos tools (enabled) Required by: Drupal (Field types) in use - see Field list	Help Permissions Configure
Core	<input type="checkbox"/>	Administration Development tools	7.x-3.0-rc4	Administration and debugging functionality for developers and site builders. (Code review)	
Custom Modules	<input checked="" type="checkbox"/>	Administration menu	7.x-3.0-rc4	Provides a dropdown menu to most administrative tasks and other common destinations (to users with the proper permissions). (Code review) Requires: System (enabled) Required by: Administration menu Toolbar style (disabled)	Help Permissions
Date/Time	<input type="checkbox"/>	Administration menu Toolbar style	7.x-3.0-rc4	A better Toolbar. (Code review) Requires: Administration menu (enabled), System (enabled)	
Development	<input checked="" type="checkbox"/>	Advanced help	7.x-1.0	Allow advanced help and documentation. (Code review) Required by: Chaos Tools (CTools) Plugin Example (disabled), Advanced help example (disabled)	Help Permissions
Display suite	<input type="checkbox"/>	Advanced help example	7.x-1.0	A example help module to demonstrate the advanced help module. (Code review) Requires: Advanced help (enabled)	
Example modules	<input type="checkbox"/>	Aggregator	7.20	Aggregates syndicated content (RSS, RDF, and Atom feeds). (Code review)	
Features					
Fields					
Media					
Meta tags					
OpenLayers					
Other					
Path management					
SEO					
Spam control					
Statistics					
User interface					
Views					
Webform					
XML sitemap					

STEP 2 – CONTENT TYPES, FIELDS AND TAXONOMY

Home » Administration » Structure » Content types » Tour

Tour 

EDIT

MANAGE FIELDS

MANAGE DISPLAY

Show row weights

LABEL	MACHINE NAME	FIELD TYPE	WIDGET	OPERATIONS	
+ Title	title	Node module element			
+ Photo	field_photo	Image	Image	edit	delete
+ Type	field_type	Term reference	Select list	edit	delete
+ Date	field_date	Date	Pop-up calendar	edit	delete
+ Guide	field_guide	User reference	Select list	edit	delete
+ Description	body	Long text and summary	Text area with a summary	edit	delete
+ Address	field_address	Postal address	Dynamic address form	edit	delete
+ Meta tags	metatags	Meta tag module form elements.			
+ URL path settings	path	Path module form elements			
+ XML sitemap	xmllsitemap	XML sitemap module element			
+ Geofield	field_geofield	Geofield	Geocode from another field	edit	delete
+ Add new field					
	<input type="text"/>	<input type="button" value="- Select a field type -"/>	<input type="button" value="- Select a widget -"/>		
Label		Type of data to store.	Form element to edit the data.		

STEP 2 – CONTENT TYPES, FIELDS AND TAXONOMY

Home » Administration » Structure » Taxonomy

Tour Type 

LIST

EDIT

MANAGE FIELDS

MANAGE DISPLAY

You can reorganize the terms in *Tour Type* using their drag-and-drop handles, and group terms under a parent term by sliding them under and to the right of the parent.

 [Add term](#)

[Show row weights](#)

NAME	OPERATIONS
 Backcountry Skiing	edit
 Backpacking	edit
 Hang Gliding	edit
 Horseback	edit
 Motocross	edit
 Mountain Biking	edit
 Scuba	edit
 Skydive	edit
 Surfing	edit
 White Water Rafting	edit
 Zip-line	edit

STEP 3 – USERS, ROLES, AND PERMISSIONS

Home > Administration > People

People 

LIST **PERMISSIONS** **Permissions** **Roles**

Permissions let you control what users can do and see on your site. You can define a specific set of permissions for each role. (See the [Roles](#) page to create a role). Two important roles to consider are Authenticated Users and Administrators. Any permissions granted to the Authenticated Users role will be given to any user who can log into your site. You can make any role the Administrator role for the site, meaning this will be granted all new permissions automatically. You can do this on the [User Settings](#) page. You should be careful to ensure that only trusted users are given this access and level of control of your site.

[Hide descriptions](#)

PERMISSION	ANONYMOUS USER	AUTHENTICATED USER	ADMINISTRATOR	GUIDE
Administration menu				
Access administration menu Display the administration menu at the top of each page.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Flush caches Access links to flush caches in the administration menu.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Display Drupal links Provide Drupal.org links in the administration menu.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Advanced help				
View help topics	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
View help popups	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
View help index	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Background Process				
Administer background processes Perform administration tasks for background processes.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Backup and Migrate				
Access Backup and Migrate Access the Backup and Migrate admin section.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

STEP 4 – THEMES, BLOCKS, REGIONS AND MENUS

Home » Administration

Appearance 

Set and configure the default theme for your website. Alternative [themes](#) are available.

 [Install new theme](#)

ENABLED THEMES



Corolla 7.x-3.0-rc1 (default theme)

Corolla is a subtheme of [Adaptivetheme 7.x-3.x](#). To use this theme you must first download and install the 7.x-3.x version of Adaptivetheme. Corolla is colorable and has many theme settings for layout, fonts, headings and much more. Corolla also supports layouts for mobile devices such as tablets and smartphones.

[Settings](#)



AT Core 7.x-3.1

AT Core is the framework that drives the responsive layout system and provides an extensive set of tools for theme development. You do not need to enable this theme. Use the provided AT Subtheme to get started.

[Settings](#) | [Disable](#) | [Set default](#)

STEP 4 – THEMES, BLOCKS, REGIONS AND MENUS

Home » Administration » Appearance » Settings

Appearance 

LIST

UPDATE

SETTINGS

Global settings

AT Core

Bartik

Corolla

Drupal Ace

Seven

These options control the display settings for the *Corolla* theme. When your site is displayed using this theme, these settings will be used.

Layout & General Settings



Standard Layout

Tablet Layout

Smartphone Layout

Panels & Gpanels

CSS

Polyfills

Metatags

Debuggers

Extensions

Standard Layout

The standard layout is for desktops, laptops and other large screen devices.

Choose sidebar positions



Set the width of each sidebar

Unit % 

First sidebar * 25

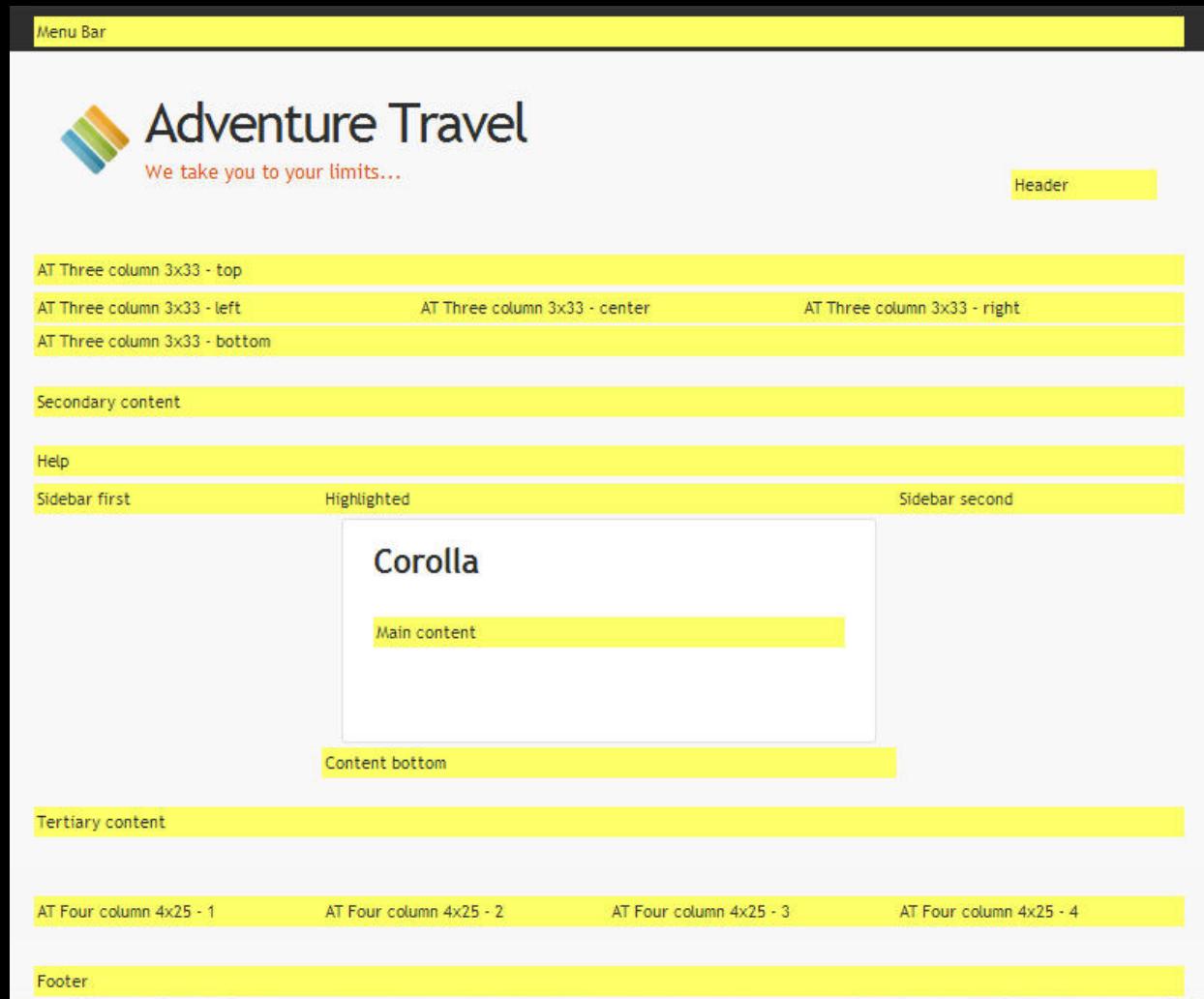
Second sidebar * 25

Set the page width

Unit % 

Page width * 100

STEP 4 – THEMES, BLOCKS, REGIONS AND MENUS



STEP 4 – THEMES, BLOCKS, REGIONS AND MENUS

Home > Administration > Structure
Blocks

COROLLA AT CORE BARTIK DRUPAL ACE SEVEN

This page provides a drag-and-drop interface for assigning a block to a region, and for controlling the order of blocks within regions. Since not all themes implement the same regions, or display regions in the same way, blocks are positioned on a per-theme basis. Remember that your changes will not be saved until you click the *Save blocks* button at the bottom of the page. Click the *configure* link next to each block to configure its specific title and visibility settings.

Demonstrate block regions (Corolla)

+ Add block

Show row weights

BLOCK	REGION	OPERATIONS
Sidebar first		
No blocks in this region		
Sidebar second	Sidebar second	configure
+ View: Tours		
Header		
No blocks in this region		
Menu Bar	Menu Bar	configure
+ Superfish 1 (Superfish)		
Help	Help	configure
+ System help		
Highlighted		
No blocks in this region		
Main content		
+ View: Home Page Slideshow: Home Page Slideshow	Main content	configure
+ Main page content	Main content	configure

STEP 4 – THEMES, BLOCKS, REGIONS AND MENUS

Home » Administration » Structure

Menus 

[LIST MENUS](#)

[SETTINGS](#)

Each menu has a corresponding block that is managed on the [Blocks administration page](#).

 [Add menu](#)

TITLE	OPERATIONS		
Development Development link	list links	edit menu	add link
Features Menu items for any enabled features.	list links	edit menu	add link
Main menu The <i>Main</i> menu is used on many sites to show the major sections of the site, often in a top navigation bar.	list links	edit menu	add link
Management The <i>Management</i> menu contains links for administrative tasks.	list links	edit menu	add link
Navigation The <i>Navigation</i> menu contains links intended for site visitors. Links are added to the <i>Navigation</i> menu automatically by some modules.	list links	edit menu	add link
User menu The <i>User</i> menu contains links related to the user's account, as well as the 'Log out' link.	list links	edit menu	add link

STEP 5 – VIEWS

 Adventure Travel
We take you to your limits...

[Home](#) [Tours](#) [Map](#) [Guides](#) [Blog](#) [About](#) [Feedback](#) [Contact Us](#)

Home



[Back Country Ski Tour](#)
[Previous](#) [Pause](#) [Next](#)

Whether you've stumbled across our website while looking for unforgettable holidays or you're a seasoned veteran of our incredible trips, welcome to the greatest adventures on Earth. dsdsqd

Your passion for adventure—exploring new places and experiencing new things—is the heart of our business, and we're thrilled at the prospect of showing you the world as you've never seen it.

For over 20 years, we've had our finger firmly on the pulse of adventure travel, and have worked hard to make it beat faster by offering the widest selection of affordable small-group tours, safaris and expeditions across the world.

Upcoming Tours



[Hang Glide Rio](#)



[Mountain Bike Slickrock](#)



[Back Country Ski Tour](#)

Adventure Travel
800-123-4567
info@adventuretravel.com
752 Fifth Avenue, San Diego, CA 92101

STEP 5 – VIEWS

Home » Administration » Structure » Views

Home Page Slideshow (Content) •

Modify the display(s) of your view below or add new displays.

Displays

Home Page Slideshow

+ Add

▼ Home Page Slideshow details

Display name: Home Page Slideshow

TITLE

Title: None

FORMAT

Format: Slideshow | Settings

Show: Fields | Settings

FIELDS

Content: Photo

Content: Title

add ▾

FILTER CRITERIA

add ▾

Content: Published (Yes)

Content: Type (= Tour)

SORT CRITERIA

add ▾

Content: Date – start date (asc)

BLOCK SETTINGS

Block name: None

Access: Permission | View published content

HEADER

add

FOOTER

add

PAGER

Use pager: Display all items | All items

More link: No

STEP 5 – VIEWS

Home Tours Guides Blog About Feedback Contact Us

 Adventure Travel
We take you to your limits...

Upcoming Tours

Date: Wednesday, August 29, 2012

Photo	Title	Date	Type	Guide
	Hang Glide Rio	Wednesday, August 29, 2012	Tour	d Drake

Date: Friday, August 31, 2012

Photo	Title	Date	Type	Guide
	Mountain Bike Slickrock	Friday, August 31, 2012	Tour	anne

Date: Saturday, September 15, 2012

Photo	Title	Date	Type	Guide
				

STEP 5 – VIEWS

Tours (Content) +

Modify the display(s) of your view below or add new displays.

Displays

Page **Block** **+ Add**

▼ Page details

Display name: Page

TITLE
Title: Upcoming Tours

FORMAT
Format: Table | Settings

FIELDS **add ▾**
Content: Photo (Photo)
Content: Title (Title)
Content: Date (Date)
Content: Type (Type)
Content: Guide (Guide)

FILTER CRITERIA **add ▾**
Content: Published (Yes)
Content: Type (= Tour)

SORT CRITERIA **add ▾**
Content: Date – start date (asc)

PAGE SETTINGS
Path: /tours
Menu: Normal: Tours
Access: Permission | View published content

HEADER **add**

FOOTER **add**

PAGER
Use pager: Display all items / All items
More link: No

STEP 5 – VIEWS

Home Guides Blog About Feedback Contact Us

 Adventure Travel
We take you to your limits...

Tours



©CCBYSA © OpenStreetMap contributors

STEP 5 – VIEWS

Map (Content) •

Modify the display(s) of your view below or add new displays.

Displays

OpenLayers Data Overlay

Page

+ Add

▼ OpenLayers Data Overlay details

Display name: OpenLayers Data Overlay

TITLE

Title: None

FORMAT

Format: OpenLayers Data Overlay | Settings

Show: Fields / Settings

FIELDS

Content: Title

Content: Geofield (Geofield)

add

FILTER CRITERIA

add

Content: Published (Yes)

Content: Type (= Tour)

SORT CRITERIA

Access: Permission | View published content

HEADER

add

FOOTER

add

PAGER

Use pager: Full | Paged, 10 items

STEP 6 – IMAGE STYLES, PATHAUTO, WEBFORMS AND CAPTCHA

Home » Administration » Configuration » Media » Image styles

Edit tour style •

Preview

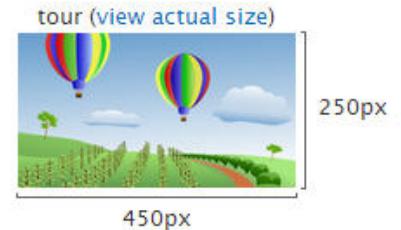
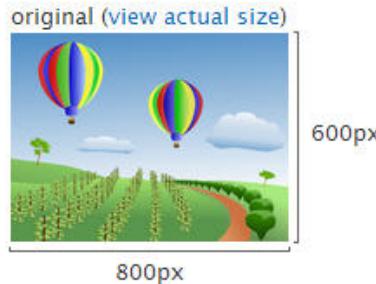


Image style name *

The name is used in URLs for generated images. Use only lowercase alphanumeric characters, underscores (_), and hyphens (-).

EFFECT	OPERATIONS
+ Scale and crop 450x250	edit
+ Select a new effect <input type="button" value="▼"/> <input type="button" value="Add"/>	

[Update style](#)

STEP 6 – IMAGE STYLES, PATHAUTO, WEBFORMS AND CAPTCHA

Home > Administration > Configuration > Search and metadata > URL aliases

URL aliases 

LIST

PATTERNS

SETTINGS

BULK UPDATE

DELETE ALIASES

CONTENT PATHS

Default path pattern (applies to all content types with blank patterns below)

[node:content-type]/[node:title]

Pattern for all Basic page paths

Pattern for all Blog entry paths

Pattern for all Tour paths

Pattern for all Webform paths

Pattern for all files paths

REPLACEMENT PATTERNS

Click a token to insert it into the field you've last clicked.

NAME	TOKEN	DESCRIPTION
Current date		Tokens related to the current date and time.
Current page		Tokens related to the current page request.
Current user		Tokens related to the currently logged in user.
Nodes		Tokens related to individual content items, or "nodes".
Address	[node:field_address]	Postal address field.
Author	[node:author]	The author of the node.
Body	[node:body]	The main body text of the node.
Content ID	[node:nid]	The unique ID of the content item, or "node".
Content type	[node:content-type]	The content type of the node.
Date	[node:field_date]	Date field.

STEP 6 – IMAGE STYLES, PATHAUTO, WEBFORMS AND CAPTCHA

Home » Feedback

Feedback 

VIEW

EDIT

WEBFORM

RESULTS

DEVEL

Form components

E-mails

Form settings

Show row weights

LABEL	TYPE	VALUE	MANDATORY	OPERATIONS		
+ Your Name	Textfield	-	<input type="checkbox"/>	Edit	Clone	Delete
+ Your Email Address	E-mail	-	<input type="checkbox"/>	Edit	Clone	Delete
+ May We Contact You?	Select options	N	<input type="checkbox"/>	Edit	Clone	Delete
+ Your Feedback	Textarea	-	<input checked="" type="checkbox"/>	Edit	Clone	Delete
+ New component name	Textfield		<input type="checkbox"/>	Add		

► CAPTCHA: NO CHALLENGE ENABLED

Save

STEP 6 – IMAGE STYLES, PATHAUTO, WEBFORMS AND CAPTCHA

Home > Administration > Configuration > People
CAPTCHA CAPTCHA IMAGE CAPTCHA General settings Examples

A CAPTCHA can be added to virtually each Drupal form. Some default forms are already provided in the form list, but arbitrary forms can be easily added and managed when the option "Add CAPTCHA administration links to forms" is enabled.

Users with the "skip CAPTCHA" permission won't be offered a challenge. Be sure to grant this permission to the trusted users (e.g. site administrators). If you want to test a protected form, be sure to do it as a user without the "skip CAPTCHA" permission (e.g. as anonymous user).

FORM PROTECTION
Select the challenge type you want for each of the listed forms (identified by their so called *form_ids*). You can easily add arbitrary forms with textfield at the bottom of the table or with the help of the 'Add CAPTCHA administration links to forms' option below.

Default challenge type
Image (from module image_captcha) ▾
Select the default challenge type for CAPTCHAs. This can be overriden for each form if desired.

FORM_ID	CHALLENGE TYPE	OPERATIONS
comment_node_blog_form	[none]	delete
comment_node_page_form	[none]	delete
comment_node_tour_form	[none]	delete
comment_node_webform_form	[none]	delete
contact_personal_form	[none]	delete
contact_site_form	[default challenge type]	delete
forum_node_form	[none]	delete
user_login	[none]	delete
user_login_block	[none]	delete

STEP 7 – PICK A THEME

Contributed Themes

Starter Themes

Themes from scratch

PHPTemplate Engine

Templates files and template suggestions

Template.php

STEP 7 – PICK A THEME

SOME THEMES ARE COMPLETE



A screenshot of the JournalCrunch theme, a light gray template. The header includes navigation links for HOME, ABOUT, TYPOGRAPHY, and CONTACT, along with a search bar and social media icons. The main content area features a grid of news items. Two items are highlighted with blue speech bubbles: "Pellentesque dapidus ullamcorper leo" and "Elcvne commune elaboraret his, mea amet luptatum". Below these are two larger images with "read more" buttons: a close-up of a colorful stained-glass window and a sunset over a pier. At the bottom, there are three more news items in boxes: "Nusquam percipitur cotidieque ut vis", "Morbi in sem quis dui placerat ornare", and "Pellentesque dapibus ullamcorper leo".

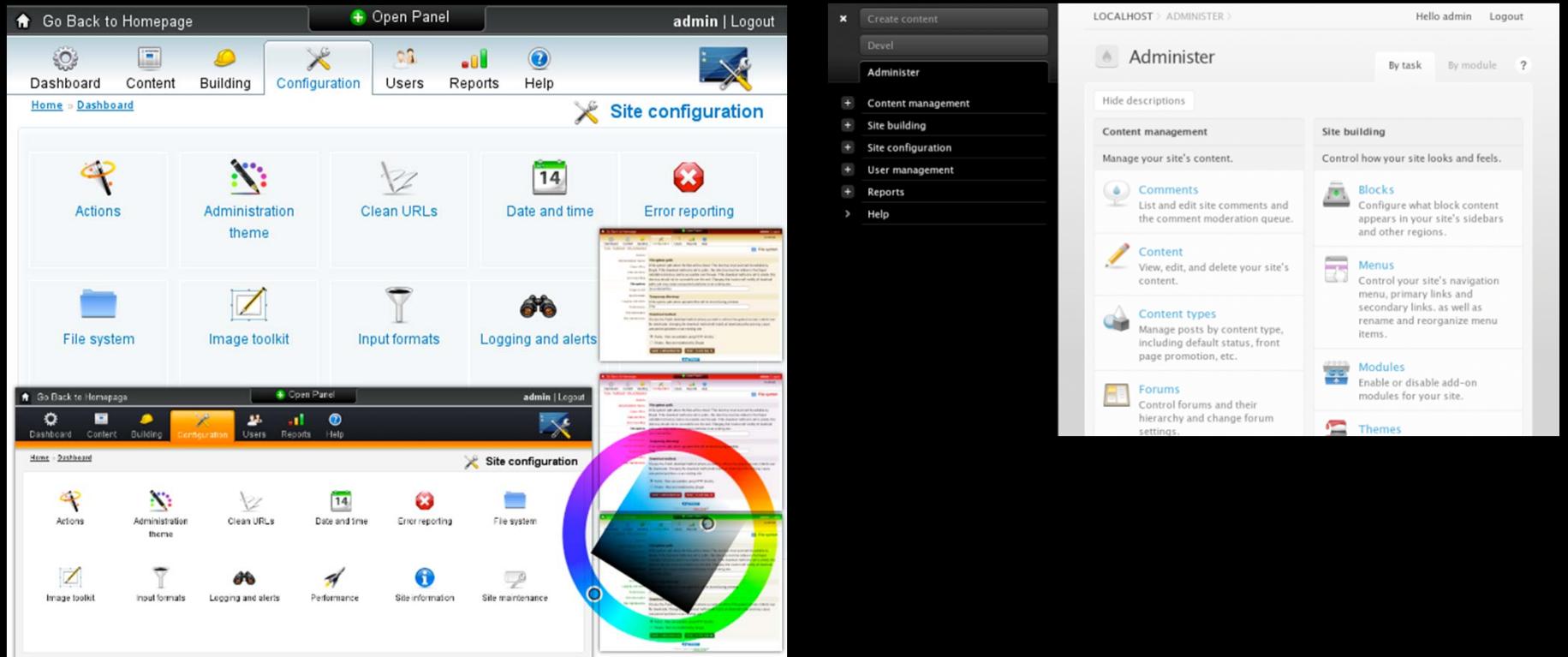
STEP 7 – PICK A THEME

SOME THEMES ARE STARTING POINTS



STEP 7 – PICK A THEME

SOME ARE ADMINISTRATION THEMES



STEP 7 – PICK A THEME

CSS
Images
Javascript
Templates

Name	Date modified	Type
color	7/18/2011 3:45 PM	File folder
images	7/18/2011 3:45 PM	File folder
minnelli	7/18/2011 3:45 PM	File folder
fix-ie.css	5/25/2011 1:43 PM	Cascading Style S...
fix-ie-rtl.css	5/25/2011 1:43 PM	Cascading Style S...
print.css	5/25/2011 1:43 PM	Cascading Style S...
style.css	5/25/2011 1:43 PM	Cascading Style S...
style-rtl.css	5/25/2011 1:43 PM	Cascading Style S...
garland.info	5/25/2011 1:56 PM	INFO File
block.tpl.php	5/25/2011 1:43 PM	PHP File
comment.tpl.php	5/25/2011 1:43 PM	PHP File
maintenance-page.tpl.php	5/25/2011 1:43 PM	PHP File
node.tpl.php	5/25/2011 1:43 PM	PHP File
page.tpl.php	5/25/2011 1:43 PM	PHP File
template.php	5/25/2011 1:43 PM	PHP File
logo.png	5/25/2011 1:43 PM	PNG File
screenshot.png	5/25/2011 1:43 PM	PNG File

STEP 7 – PICK A THEME

THEME .INFO FILE

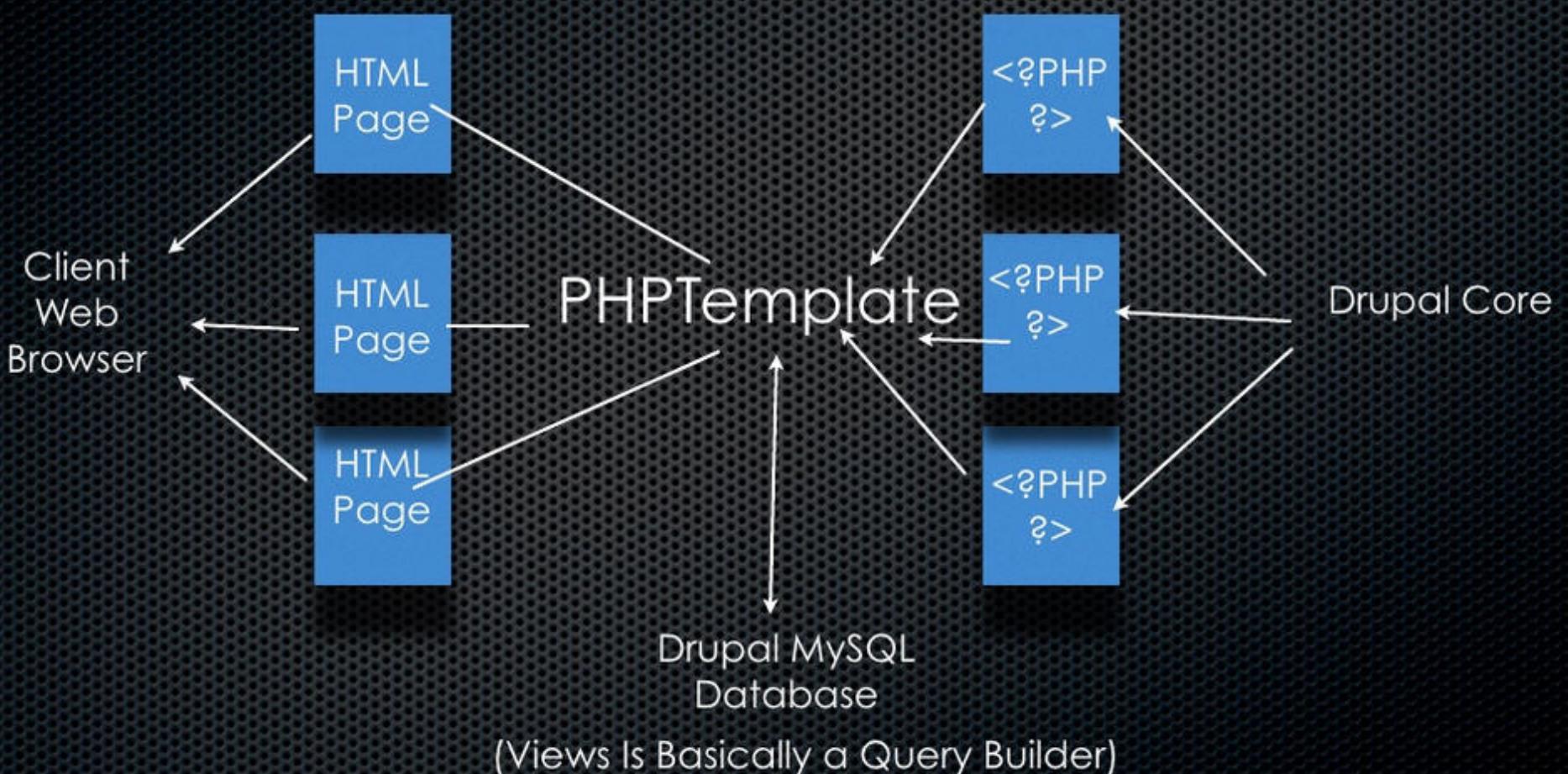
```
name = Drupal Ace
description = Bright nice theme with a lot of settings. Created by <a href = "http://drupalace.ru">Drupalace team</a>
core = 7.x

stylesheets[all][]      = css/layout.css
stylesheets[all][]      = css/style.css

regions[sidebar]        = Sidebar
regions[header]          = Header
regions[content_top]     = Page top
regions[content_bottom]  = Page bottom
regions[content]          = Content
regions[node_top]         = Node top
regions[node_bottom]       = Node bottom
regions[footer_first]    = Footer first column
regions[footer_second]   = Footer second column
regions[footer_third]    = Footer third column
regions[footer]           = Footer

settings[drupalace_page_unit]      = px
settings[drupalace_page_width]     = 960
settings[drupalace_page_max_width] = 1400
settings[drupalace_page_min_width] = 960
settings[drupalace_sidebar_position] = right
settings[drupalace_sidebar_unit]    = px
settings[drupalace_sidebar_width]   = 250
settings[drupalace_social_text]     = Share this node with friends
settings[drupalace_social_button_size] = 32
settings[drupalace_social_services] = facebook, twitter, vk, livejournal, formspring, google
settings[drupalace_popup_login]     = 1
settings[drupalace_search_text]     = Search text
settings[drupalace_search_button]   = Search
settings[drupalace_search_width]    = 275
```

PHP: Generates Dynamic Content



STEP 7 – PICK A THEME

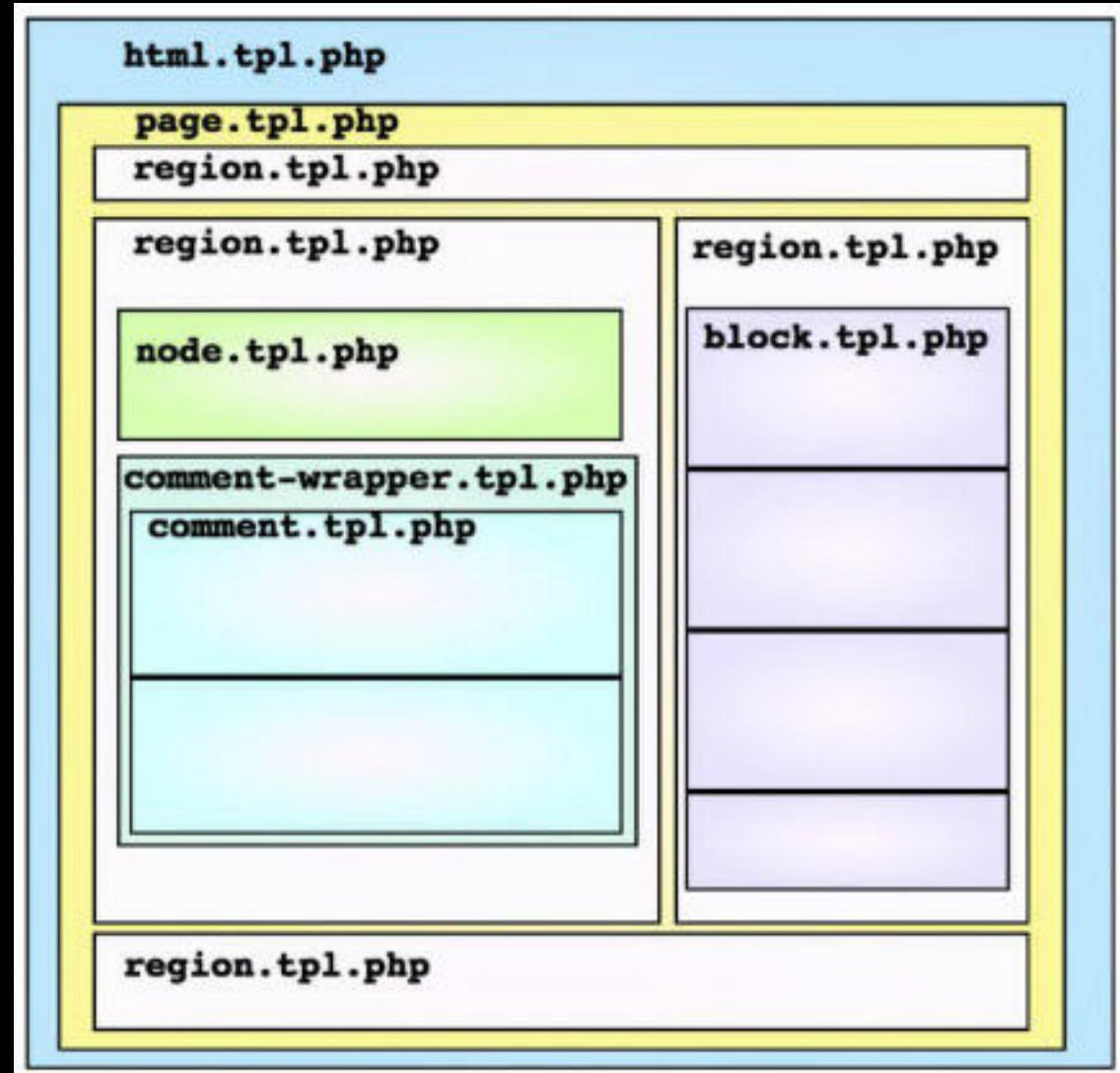
Page.tpl.php

Page.front.tpl.php

Node.tpl.php

Block.tpl.php

Comment.tpl.php



STEP 7 – PICK A THEME

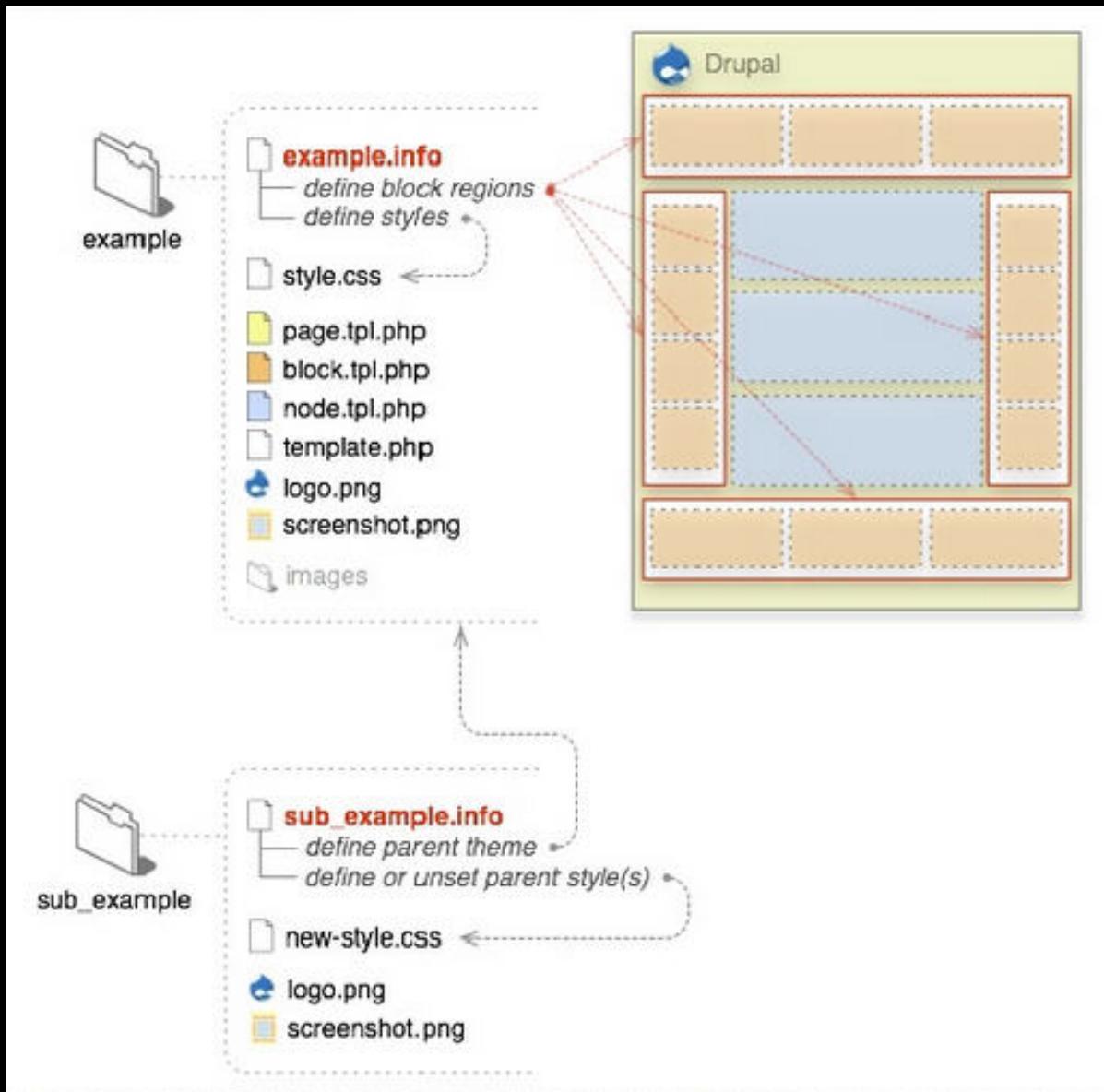
TEMPLATES = PHP + HTML

```
<div id="header-region" class="clear-block">  
  <?php print $header; ?>  
  </div>
```

PHP Variables:

\$header, \$content, \$footer...

STEP 7 – PICK A THEME



MODULE DEVELOPMENT

Drupal Hook System

.info file + .module file + .install file (optional)

DRUSH, DRUSH MAKE and GIT

EZRA GILDESGAME (ACQUIA) PRESENTATION

<http://chicago2011.drupal.org/sessions/introduction-module-development>

MODULE DEVELOPMENT

<http://api.drupal.org/api/drupal>

Drupal™ API

[API Homepage](#)

[Log in / Register](#)

Search for hook_block

[Search Drupal 4.6 for hook_block](#)
[Search Drupal 4.7 for hook_block](#)
[Search Drupal 5 for hook_block](#)
[Search Drupal 6 for hook_block](#)
[Search Drupal 8 for hook_block](#)
[Other projects](#)

Functions & methods

Name	Location	Description
hook_block_configure	modules/block/block.api.php	Define a configuration form for a block.
hook_block_info	modules/block/block.api.php	Define all blocks provided by the module.
hook_block_info_alter	modules/block/block.api.php	Change block definition before saving to the database.
hook_block_list_alter	modules/block/block.api.php	Act on blocks prior to rendering.
hook_block_save	modules/block/block.api.php	Save the configuration options from <code>hook_block_configure()</code> .

Search Drupal 7

Function, file, or topic *

[Search](#)

API Navigation

[Drupal 7](#)

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[Files](#)

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[Globals](#)

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MODULE DEVELOPMENT

http://api.drupal.org/api/drupal/developer%21topics%21forms_api_reference.html/7

Drupal™ API

[API Homepage](#)

Form API Reference

```
7 developer/topics/forms_api_reference.html  
4.7 developer/topics/forms_api_reference.html  
5 developer/topics/forms_api_reference.html  
6 developer/topics/forms_api_reference.html  
8 developer/topics/forms_api_reference.html
```

This document provides a programmer's reference to the Drupal Form API. If you're interested in step-by-step documentation to help you write forms, please see the [Form API QuickStart guide](#).

Skip to: Properties | Default Values | Elements

Note that internal properties are not included in the table below, but are included in the Properties list. These include: #built, #children, #error, #id, #input, #printed, #validation_arguments

Form Controls

Legend:

X = attribute can be used with this type

- = attribute is not applicable to this type

MODULE DEVELOPMENT

Hooks

[drupal 4.6 module.inc](#) [4.7 module.inc](#) [5 module.inc](#) [6 module.inc](#) [7 module.inc](#) [8 module.inc](#)

Allow modules to interact with the Drupal core.

Drupal's module system is based on the concept of "hooks". A hook is a PHP function that is named `foo_bar()`, where "foo" is the name of the module (whose filename is thus `foo.module`) and "bar" is the name of the hook. Each hook has a defined set of parameters and a specified result type.

To extend Drupal, a module need simply implement a hook. When Drupal wishes to allow intervention from modules, it determines which modules implement a hook and calls that hook in all enabled modules that implement it.

The available hooks to implement are explained here in the Hooks section of the developer documentation. The string "hook" is used as a placeholder for the module name in the hook definitions. For example, if the module file is called `example.module`, then `hook_help()` as implemented by that module would be defined as `example_help()`.

The example functions included are not part of the Drupal core, they are just models that you can modify. Only the hooks implemented within modules are executed when running Drupal.

MODULE DEVELOPMENT

```
name = "Sample Block"  
description = "Example Block In Code"  
core = "7.x"  
package = "Custom Modules"
```

MODULE DEVELOPMENT

```
<?php
/**
 * Implementation of hook_block_info().
 */
function samplemodule_block_info() {
  $blocks['my-block-id'] = array(
    'info' => t('SAMPLE MODULE BLOCK'),
  );
  return $blocks;
}

/**
 * Implementation of hook_block_view().
 */
function samplemodule_block_view($delta='') {
  $block = array();
  switch ($delta) {
    case 'my-block-id':
      $block['subject'] = t('SAMPLE MODULE BLOCK NAME');
      $block['content'] = samplemodule_contents();
      break;
  }
  return $block;
}

/**
 * custom html block
 * @return string
 */
function samplemodule_contents() {
  return '
    </p><div class="body">
      Hello World, this is a example custom block!
    </div><p>
  ';
}
```

MODULE DEVELOPMENT

Features

Home > Features

Home Page Slide Show +

VIEW

RECREATE

Home Page Slide Show

DEPENDENCY	STATUS
Chaos tools	Enabled
Views	Enabled

CTOOLS EXPORT API	DEFAULT
views:views_default:3.0	
FEATURES_API	DEFAULT
api:1	
VIEWS	DEFAULT
home_page_slideshow	

MODULE DEVELOPMENT

Examples Module

d7.drupalexamples.info



d7.drupalexamples.info

Home

UPPERCASE THIS PLEASE

This block's title will be changed to uppercase. Any other block with 'uppercase' in the subject or title will also be altered. If you change this block's title through the UI to omit the word 'uppercase', it will still be altered to uppercase as the subject key has not been changed.

DrupalExamples.info: Examples from the Examples Project on Drupal.org

Submitted by rfay on Sat, 01/29/2011 - 19:43

These are live examples from the Drupal 6 Examples for Developers Project on drupal.org. Try them out! To try the Drupal 6 examples, go to [d6.drupalexamples.info](#).

To experiment with the code yourself, [download the module code](#) and play.

If you find problems or have suggestions and contributions, please create an issue in the [issue queue](#).

The code is also indexed by [api.drupal.org](#).

[Read more](#) [Log in to post comments](#)

Navigation



- ▼ [AJAX Example](#)
 - [Simplest AJAX Example](#)
 - [Generate](#)

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GLOSSARY

D.O – DRUPAL.ORG

**MODULES, LIBRARIES AND THEMES – CORE, CONTRIB, CUSTOM
D6 (CCK), D7 (ENTITIES AND FIELDS), D8**

NODES – TITLE (H1) AND BODY

COMMENTS – JUST WHAT YOU THINK THEY ARE!

TAXONOMY – CATEGORIZATION LISTS

CONTENT TYPES – CUSTOMIZE NODES WITH FIELDS

MEDIA IMAGE STYLES – IMAGE PRESETS

PAGES – JUST WHAT YOU THINK THEY ARE!

REGIONS – AREAS OF THE PAGE (DIV)

BLOCKS – OBJECTS THAT CAN BE PLACED IN REGIONS

MENUS – MAIN, MANAGEMENT, NAVIGATION, USER, CUSTOM

VIEWS – LISTS OF CONTENT

USERS, ROLES AND PERMISSIONS

GET INVOLVED

Create an account on [Drupal.org](https://www.drupal.org)

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THANKS!

ENJOY SCALE!

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