INTRO TO DRUPAL

February 23, 2013

Douglas C. Hoffman
drupal.org douglaschoffman
@douglaschoffman
linkedin.com/in/douglaschoffman
doug@sagetreem.net
doug@customersuccessmarketing.com
AGENDA

• Drupal Overview
• Site Building
• Theming
• Module Development
• Q & A
ADVENTURE TRAVEL

Tours
Guides
Map
Blog
About
Feedback
Contact Us

Home

Back Country Ski Tour
Previous Favourite

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 adventure on Earth. Imagine.

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 on the pulse of adventure travel, and have worked hard to make it bear faster by offering the widest selection of affordable small-group tours, safaris and expeditions across the world.

Upcoming Tours

Hiking Giffes Ris

Mountain Bike Sikkim

Back Country Ski Tour

Adventure Travel
800-323-3437
info@adventuretravel.com
753 4th Avenue, San Diego, CA 92101
WHAT DO THESE THREE THINGS HAVE IN COMMON?

douglaschoffman.com/downloads.html
http://www.youtube.com/watch?v=rF1X12PE6PY
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.

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
**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?

Fast Company
15 million unique visitors per month
WHO, WHAT & WHERE IS DRUPAL?

Symantec Connect
3,000,000+ unique page views each month
More than 206,000+ registered users
Content base with 600,000+ combined nodes and comment
WHO, WHAT & WHERE IS DRUPAL?

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 Official Website of COMIC-CON INTERNATIONAL, WONDERCON and APE, the ALTERNATIVE PRESS EXPO.

WonderCon Anaheim Adds More Guests
Five more great special guests added to the line-up!
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 WYSISYG editor
LAMP/WAMP/MAMP Architecture

L – Linux
W – Windows
M – Mac OS
A – Apache
M – MySQL
P – PHP
ARCHITECTURE — DON’T HACK CORE!

Attached/uploaded images, documents, media, etc.

Text Content (HTML)

Configuration & Site Building

<table>
<thead>
<tr>
<th>Settings</th>
<th>Content Types</th>
<th>Nodes</th>
<th>Views</th>
<th>User Roles</th>
<th>URL Aliases</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(More)</td>
</tr>
<tr>
<td>Categories</td>
<td></td>
<td></td>
<td></td>
<td>Access Control</td>
<td></td>
</tr>
<tr>
<td>Blocks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Menus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Pre-built Contrib Themes
Download & use

Pre-built Commercial Themes
Purchase or buyout

Custom Themes
Build your own

Contrib Modules
Contributed by the Drupal community
Download, install, & configure

Custom Modules
Develop your custom code as modules
Contribute back to the community

Drupal Core
Includes Drupal core, core modules, & core themes
ARCHITECTURE – DON’T HACK CORE!
LOCAL DEVELOPMENT ENVIRONMENT

WAMP Server

Acquia Dev Desktop
## Drupal Modules

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

<table>
<thead>
<tr>
<th>Enabled</th>
<th>Name</th>
<th>Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Action example</td>
<td>7.x-1.x</td>
<td>Demonstrates providing actions that can be associated to triggers. (Code review)</td>
</tr>
<tr>
<td></td>
<td>Actions permissions (VBO)</td>
<td>7.x-3.1</td>
<td>Provides permission-based access control for actions. Used by Views Bulk Operations. (Code review)</td>
</tr>
<tr>
<td></td>
<td>Address Field</td>
<td>7.x-1.0</td>
<td>Manages a flexible address field, implementing the xNAL standard. (Code review)</td>
</tr>
<tr>
<td></td>
<td>Administration Development tools</td>
<td>7.x-3.0</td>
<td>Administration and debugging functionality for developers and site builders. (Code review)</td>
</tr>
<tr>
<td></td>
<td>Administration menu</td>
<td>7.x-3.0</td>
<td>Provides a dropdown menu to most administrative tasks and other common destinations (to users with the proper permissions). (Code review)</td>
</tr>
<tr>
<td></td>
<td>Advanced help</td>
<td>7.x-1.0</td>
<td>Provides advanced help and documentation. (Code review)</td>
</tr>
<tr>
<td></td>
<td>Advanced help example</td>
<td>7.x-1.0</td>
<td>A simple example module to demonstrate the advanced help module. (Code review)</td>
</tr>
<tr>
<td></td>
<td>Aggregator</td>
<td>7.20</td>
<td>Aggregates syndicated content (RSS, RDF, and Atom feeds). (Code review)</td>
</tr>
</tbody>
</table>
## Step 2 – Content Types, Fields and Taxonomy

<table>
<thead>
<tr>
<th>Label</th>
<th>Machine Name</th>
<th>Field Type</th>
<th>Widget</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>title</td>
<td>Node module element</td>
<td></td>
<td>edit, delete</td>
</tr>
<tr>
<td>Photo</td>
<td>field_photo</td>
<td>Image</td>
<td>Image</td>
<td>edit, delete</td>
</tr>
<tr>
<td>Type</td>
<td>field_type</td>
<td>Term reference</td>
<td>Select list</td>
<td>edit, delete</td>
</tr>
<tr>
<td>Date</td>
<td>field_date</td>
<td>Date</td>
<td>Pop-up calendar</td>
<td>edit, delete</td>
</tr>
<tr>
<td>Guide</td>
<td>field_guide</td>
<td>User reference</td>
<td></td>
<td>edit, delete</td>
</tr>
<tr>
<td>Description</td>
<td>body</td>
<td>Long text and summary</td>
<td>Text area with a summary</td>
<td>edit, delete</td>
</tr>
<tr>
<td>Address</td>
<td>field_address</td>
<td>Postal address</td>
<td>Dynamic address form</td>
<td>edit, delete</td>
</tr>
<tr>
<td>Meta tags</td>
<td>metatags</td>
<td>Meta tag module form elements</td>
<td></td>
<td>edit, delete</td>
</tr>
<tr>
<td>URL path settings</td>
<td>path</td>
<td>Path module form elements</td>
<td></td>
<td>edit, delete</td>
</tr>
<tr>
<td>XML sitemap</td>
<td>xmlsitemap</td>
<td>XML sitemap module element</td>
<td></td>
<td>edit, delete</td>
</tr>
<tr>
<td>Geofield</td>
<td>field_geofield</td>
<td>Geofield</td>
<td>Geocode from another field</td>
<td>edit, delete</td>
</tr>
</tbody>
</table>

*Add new field:*

- Select a field type -
- Select a widget -
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**

<table>
<thead>
<tr>
<th>NAME</th>
<th>OPERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backcountry Skiing</td>
<td>edit</td>
</tr>
<tr>
<td>Backpacking</td>
<td>edit</td>
</tr>
<tr>
<td>Hang Gliding</td>
<td>edit</td>
</tr>
<tr>
<td>Horseback</td>
<td>edit</td>
</tr>
<tr>
<td>Motocross</td>
<td>edit</td>
</tr>
<tr>
<td>Mountain Biking</td>
<td>edit</td>
</tr>
<tr>
<td>Scuba</td>
<td>edit</td>
</tr>
<tr>
<td>Skydive</td>
<td>edit</td>
</tr>
<tr>
<td>Surfing</td>
<td>edit</td>
</tr>
<tr>
<td>White Water Rafting</td>
<td>edit</td>
</tr>
<tr>
<td>Zip-line</td>
<td>edit</td>
</tr>
</tbody>
</table>
### Step 3 – Users, Roles, and Permissions

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.

<table>
<thead>
<tr>
<th>PERMISSION</th>
<th>ANONYMOUS USER</th>
<th>AUTHENTICATED USER</th>
<th>ADMINISTRATOR</th>
<th>GUIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Administration menu</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Access administration menu</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display the administration menu at the top of each page</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Advanced help</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>View help topics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>View help popup</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>View help index</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Background Process</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administer background processes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perform administration tasks for background processes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Backup and Migrate</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Access Backup and Migrate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Access the Backup and Migrate admin section</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Step 4 – Themes, Blocks, Regions and Menus

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
STEP 4 – THEMES, BLOCKS, REGIONS AND MENUS
STEP 4 – THEMES, BLOCKS, REGIONS AND MENUS

This page provides a drop-and-drop interface for assigning blocks to regions, 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)

<table>
<thead>
<tr>
<th>BLOCK</th>
<th>REGION</th>
<th>OPERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sidebar first</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No blocks in this region</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sidebar second</td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ View Tours</td>
<td>Sidebar second</td>
<td>configure</td>
</tr>
<tr>
<td>Header</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No blocks in this region</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Menu Bar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ Superfish 1 (superfish)</td>
<td>Menu Bar</td>
<td>configure</td>
</tr>
<tr>
<td>Help</td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ System help</td>
<td>Help</td>
<td>configure</td>
</tr>
<tr>
<td>Highlighted</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No blocks in this region</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main content</td>
<td></td>
<td></td>
</tr>
<tr>
<td>+ View: Home Page Slideshow: Home Page Slideshow</td>
<td>Main content</td>
<td>configure</td>
</tr>
<tr>
<td>+ Main page content</td>
<td></td>
<td>configure</td>
</tr>
</tbody>
</table>
Each menu has a corresponding block that is managed on the Blocks administration page.

- **Add menu**

<table>
<thead>
<tr>
<th>TITLE</th>
<th>OPERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development</td>
<td>list links</td>
</tr>
<tr>
<td>Development link.</td>
<td></td>
</tr>
<tr>
<td>Features</td>
<td>list links</td>
</tr>
<tr>
<td>Menu items for any enabled features.</td>
<td></td>
</tr>
<tr>
<td>Main menu</td>
<td>list links</td>
</tr>
<tr>
<td>The Main menu is used on many sites to show the major sections of the site, often in a top navigation bar.</td>
<td></td>
</tr>
<tr>
<td>Management</td>
<td>list links</td>
</tr>
<tr>
<td>The Management menu contains links for administrative tasks.</td>
<td></td>
</tr>
<tr>
<td>Navigation</td>
<td>list links</td>
</tr>
<tr>
<td>The Navigation menu contains links intended for site visitors. Links are added to the Navigation menu automatically by some modules.</td>
<td></td>
</tr>
<tr>
<td>User menu</td>
<td>list links</td>
</tr>
<tr>
<td>The User menu contains links related to the user’s account, as well as the 'Log out' link.</td>
<td></td>
</tr>
</tbody>
</table>
STEP 5 – VIEWS

Adventure Travel

We help you in your leisure...

Home

Back Country Ski Tour
Previews Based 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 adventure on Earth, called

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

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

Upcoming Tours

Haag Glide Rts

Mountain Bike Slideback

Back Country Ski Tour

Adventures Travel
800-123-6577
info@adventurestravel.com
753 Fifth Avenue, San Diego, CA 92101
**STEP 5 – VIEWS**

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

### Displays

- **Home Page Slideshow**

#### Home Page Slideshow details

**Display name:** Home Page Slideshow

<table>
<thead>
<tr>
<th>TITLE</th>
<th>BLOCK SETTINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title: None</td>
<td>Block name: None</td>
</tr>
<tr>
<td>Format: Slideshow</td>
<td>Access: Permission</td>
</tr>
<tr>
<td>Show: Fields</td>
<td>HEADER</td>
</tr>
<tr>
<td></td>
<td>FOOTER</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FORMAT</th>
<th>PAGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content: Photo</td>
<td>Use pager: Display all items</td>
</tr>
<tr>
<td>Content: Title</td>
<td>More link: No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FILTER CRITERIA</th>
<th>SORT CRITERIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content: Published (Yes)</td>
<td>Content: Date – start date (asc)</td>
</tr>
<tr>
<td>Content: Type (= Tour)</td>
<td></td>
</tr>
</tbody>
</table>
### Upcoming Tours

- **Date:** Wednesday, August 29, 2012
  - **Title:** Hang Glide Rio
  - **Photo:** ![Hang Glide Rio](image)
  - **Date:** Wednesday, August 29, 2012
  - **Type:** Tour
  - **Guide:** drake

- **Date:** Friday, August 31, 2012
  - **Title:** Mountain Bike Slickrock
  - **Photo:** ![Mountain Bike Slickrock](image)
  - **Date:** Friday, August 31, 2012
  - **Type:** Tour
  - **Guide:** anne

- **Date:** Saturday, September 15, 2012
  - **Title:** [Photo](image)
  - **Date:** Saturday, September 15, 2012
  - **Type:** [Type](image)
  - **Guide:** [Guide](image)
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
Content: Photo (Photo)
Content: Title (Title)
Content: Date (Date)
Content: Type (Type)
Content: Guide (Guide)

FILTER CRITERIA
Content: Published (Yes)
Content: Type (= Tour)

SORT CRITERIA
Content: Date - start date (asc)

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

HEADER

FOOTER

PAGER
Use pager: Display all items | All items
More link: No
STEP 5 – VIEWS

Adventure Travel
We take you to your limits...

Tours

©CCBYSA © OpenStreetMap contributors
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)

**FILTER CRITERIA**

- Content: Published (Yes)
- Content: Type (~ Tour)

**SORT CRITERIA**

Access: Permission | View published content

- HEADER
- FOOTER

PAGER

Use pager: Full | Paged, 10 items
STEP 6 – IMAGE STYLES, PATHAUTO, WEBFORMS AND CAPTCHA
Step 6 – Image Styles, PathAuto, Webforms and CAPTCHA
**Step 6 – Image Styles, PathAuto, Webforms and CAPTCHA**

Table: Feedback Form Components

<table>
<thead>
<tr>
<th>LABEL</th>
<th>TYPE</th>
<th>VALUE</th>
<th>MANDATORY</th>
<th>OPERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Your Name</td>
<td>Textfield</td>
<td>-</td>
<td></td>
<td>Edit</td>
</tr>
<tr>
<td>Your Email Address</td>
<td>E-mail</td>
<td>-</td>
<td></td>
<td>Edit</td>
</tr>
<tr>
<td>May We Contact You?</td>
<td>Select options</td>
<td>N</td>
<td></td>
<td>Edit</td>
</tr>
<tr>
<td>Your Feedback</td>
<td>Textarea</td>
<td>-</td>
<td></td>
<td>Edit</td>
</tr>
<tr>
<td>New component name</td>
<td>Textfield</td>
<td>-</td>
<td></td>
<td>Add</td>
</tr>
</tbody>
</table>

**CAPTCHA: NO CHALLENGE ENABLED**

Save
STEP 6 – IMAGE STYLES, PATHAUTO, WEBFORMS AND CAPTCHA

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_id). You can easily add arbitrary forms with a 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 (form module image_captcha) ✅

Select the default challenge type for CAPTCHA. This can be overridden for each form if desired.

<table>
<thead>
<tr>
<th>FORM_ID</th>
<th>CHALLENGE_TYPE</th>
<th>OPERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>comment_node_blog_form</td>
<td>[none]</td>
<td>delete</td>
</tr>
<tr>
<td>comment_node_page_form</td>
<td>[none]</td>
<td>delete</td>
</tr>
<tr>
<td>comment_node_form</td>
<td>[none]</td>
<td>delete</td>
</tr>
<tr>
<td>comment_node_wysiwyg_form</td>
<td>[none]</td>
<td>delete</td>
</tr>
<tr>
<td>contact_personal_form</td>
<td>[none]</td>
<td>delete</td>
</tr>
<tr>
<td>contact_site_form</td>
<td>[default challenge type]</td>
<td>delete</td>
</tr>
<tr>
<td>forum_node_form</td>
<td>[none]</td>
<td>delete</td>
</tr>
<tr>
<td>user_login</td>
<td>[none]</td>
<td>delete</td>
</tr>
<tr>
<td>user_login_block</td>
<td>[none]</td>
<td>delete</td>
</tr>
</tbody>
</table>
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
STEP 7 – PICK A THEME
SOME THEMES ARE STARTING POINTS

fusion
Powering the most beautiful, advanced Drupal themes

zen
extend and design
STEP 7 – PICK A THEME

SOME ARE ADMINISTRATION THEMES
STEP 7 – PICK A THEME

CSS
Images
Javascript
Templates
### Step 7 – Pick a Theme

**Theme .info File**

```plaintext
template = DrupalAce
name = Drupal Ace
description = Bright nice theme with a lot of settings. Created by <a href = "http://drupalace.ru">Drupalace team</a> for 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] = 280
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
```
Step 7 – Pick a Theme

PHP: Generates Dynamic Content

Client Web Browser

HTML Page

HTML Page

HTML Page

PHP Template

Drupal Core

<?php

Drupal MySQL Database
(Views Is Basically a Query Builder)
**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**

```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

## Module Development

### 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

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

[http://api.drupal.org/api/drupal/developer%21topics%21forms_api_reference.html/7](http://api.drupal.org/api/drupal/developer%21topics%21forms_api_reference.html/7)

### Form API Reference

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

<table>
<thead>
<tr>
<th>#type</th>
<th>checkbox</th>
<th>checkboxes</th>
<th>date</th>
<th>fieldset</th>
<th>file</th>
<th>machine_name</th>
<th>managed_file</th>
<th>password</th>
<th>password_confirm</th>
<th>radio</th>
<th>radios</th>
<th>select</th>
<th>tableselect</th>
<th>text_format</th>
</tr>
</thead>
<tbody>
<tr>
<td>#access</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>#after_build</td>
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<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>#ajax</td>
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<tr>
<td>#array_parents</td>
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<td>X</td>
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<tr>
<td>#attached</td>
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<tr>
<td>#autocomplete_path</td>
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<td>#collapsed</td>
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<td>#collapsible</td>
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<td>#col</td>
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</tr>
<tr>
<td>#default_tab</td>
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<td>-</td>
<td>-</td>
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<td></td>
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</tr>
</tbody>
</table>
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.
name = "Sample Block"
description = "Example Block In Code"
core = "7.x"
package = "Custom Modules"
<?php
/**
 * Implementation of hook_block_info().
 */
function samemodule_block_info() {
    $blocks['my-block-id'] = array(
        'info' => t('SAMPLE MODULE BLOCK'),
    );
    return $blocks;
}

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

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

Features

<table>
<thead>
<tr>
<th>DEPENDENCY</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chaos tools</td>
<td>Enabled</td>
</tr>
<tr>
<td>Views</td>
<td>Enabled</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CTOOLS EXPORT API</th>
<th>DEFAULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>views.views_default:3.0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FEATURES_API</th>
<th>DEFAULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>api1</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VIEWS</th>
<th>DEFAULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>home_page_slideshow</td>
<td></td>
</tr>
</tbody>
</table>

Home Page Slide Show
DrupalExamples.info: Examples from the Examples Project on Drupal.org
Submitted by ifay 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.
DISTRIBUTIONS

Full fledged applications

- COD, Commons, OpenPublish, OpenAtrium, Pressflow, OpenChurch, OpenPublic, Acquia Drupal, Panopoly
- EDU – ELMS, Julio, Open Academy, Open Scholar...
- Pub – OpenPublish, NodeStream, ProsePoint...
- Nonprofits – CiviCRM, OpenAid, OpenOutreach...
RESOURCES

- Drupalize.com
- BuildAModule.com
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
Participate in your local DUG
Become a Drupal Association member
Go to more camps!
THANKS!

ENJOY SCALE!

douglaschoffman.com/downloads.html
scale.customersuccessmarketing.com