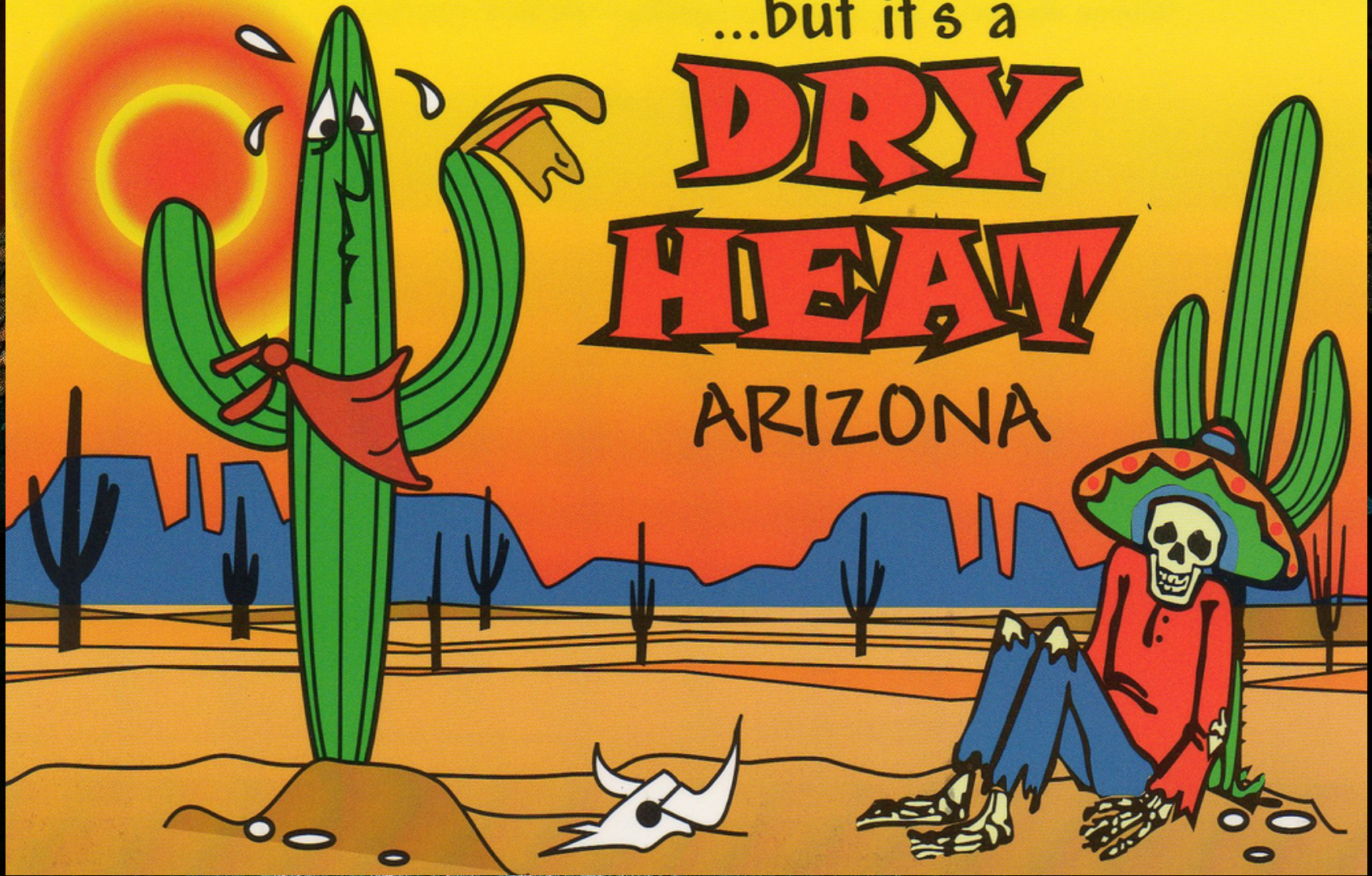


Drupal Multi-sites: Simplifying Site Creation and Management



...but it's a
DRY
HEAT
ARIZONA



Introduction

- Work for a non-profit focusing on alternative education
- Technology Director*



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EFFICIENT



Introduction

- **Drupal for CMS**
 - Corporate ecommerce site
 - Corporate Blog
 - 3 Charter Schools
 - Intranet



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<http://www.blueprintededucation.org>

<http://www.blueprintblog.org>

[http:// www.hopehighonline.org](http://www.hopehighonline.org)

<http:// www.hopehighschool.org>

<http:// www.blueprinthishighschool.org>

<http:// intranet.blueprintededucation.org>






What is Drupal Multi-site

aka “Multisite” or Single Code Base

A single installation of Drupal core running multiple websites

Why Use Multi-site?

One Code Base

Name	Size	Type	Perms
 cgi-bin	4 KB	httpd/unix-directory	0755
 files	4 KB	httpd/unix-directory	0755
 includes	4 KB	httpd/unix-directory	0755
 misc	4 KB	httpd/unix-directory	0755
 modules	4 KB	httpd/unix-directory	0755
 profiles	4 KB	httpd/unix-directory	0755
 scripts	4 KB	httpd/unix-directory	0755
 sites	4 KB	httpd/unix-directory	0755
 themes	4 KB	httpd/unix-directory	0755
 .ftpquota	15 Bytes	text/x-generic	0600
 .htaccess	4.12 KB	text/x-generic	0644
 cron.php	262 Bytes	application/x-httpd-php	0644
 default.html	4.01 KB	text/html	0644
 error_log	51.82 MB	text/x-generic	0644
 index.php	980 Bytes	application/x-httpd-php	0644
 install.php	46.04 KB	application/x-httpd-php	0644
 robots.txt	1.55 KB	text/plain	0644
 update.php	24.86 KB	application/x-httpd-php	0644
 xmlrpc.php	352 Bytes	application/x-httpd-php	0644



Moodle

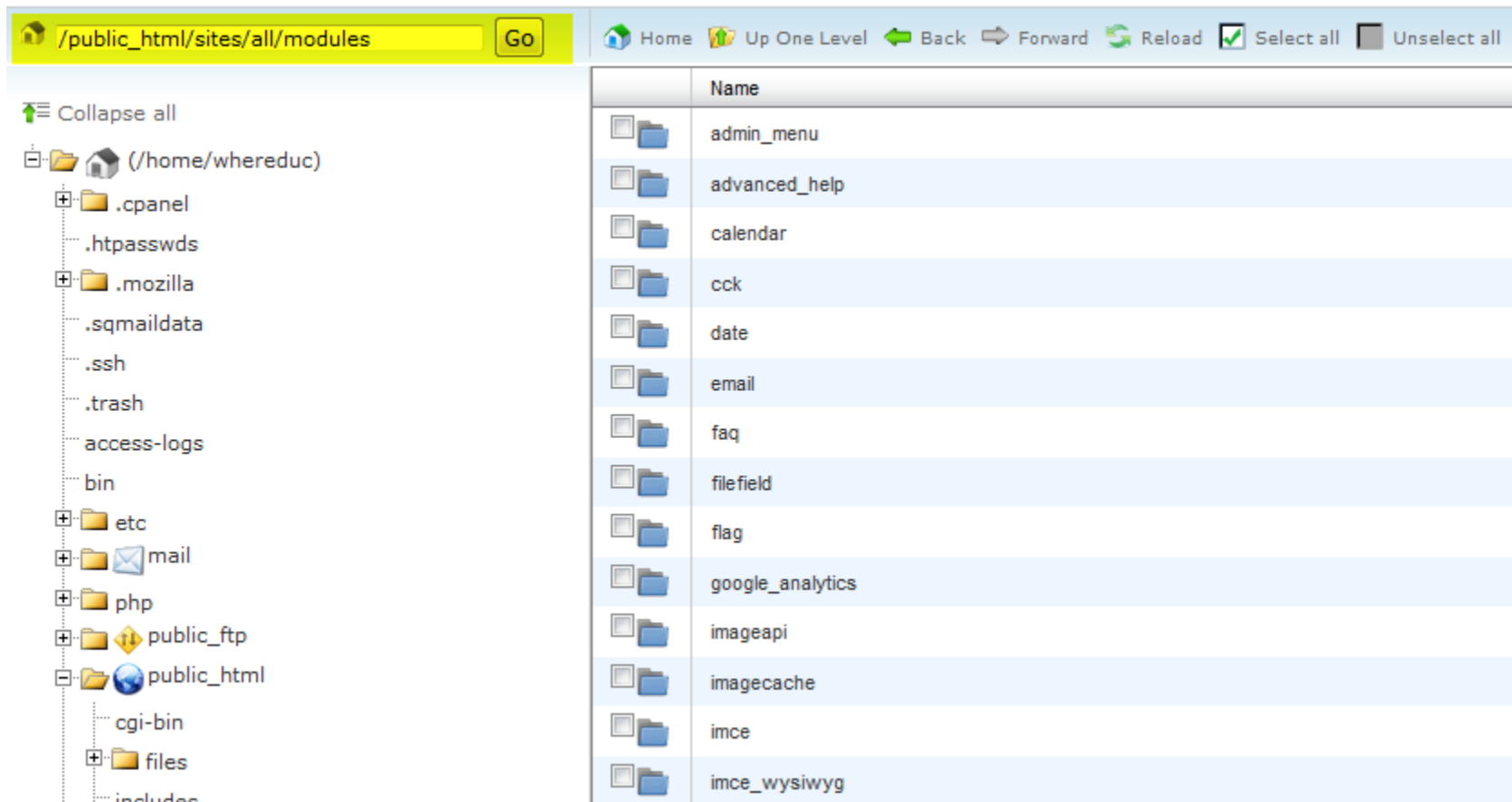
NOT MULTI-SITE!

The screenshot shows a file manager window with a directory listing. A white box on the left lists the code bases: main, tierone, moodle, west, west-archive, demo, archive, driver-ed, and east. A central white box with a blue border contains the text "8 Code Bases to keep updated!". The background table lists files with columns for Name, Size, Date, Group, and Date.

Name	Size	Date	Group	Date
main	25 KB	06/09	06/09	Feb/09
tierone	25 KB	06/09	06/09	Oct/09
moodle	25 KB	06/09	06/09	27/09
west	25 KB	06/09	06/09	27/09
west-archive	25 KB	06/09	06/09	06/09
demo	25 KB	06/09	06/09	06/09
archive	25 KB	06/09	06/09	06/09
driver-ed	25 KB	06/09	06/09	06/09
east	25 KB	06/09	06/09	06/09

Why Use Multi-site?

Shared Modules and Themes



The screenshot shows a web browser interface for a file manager. The address bar displays the path `/public_html/sites/all/modules`. The left sidebar shows a directory tree for `/home/whereduc`, with the `public_html` directory expanded to show `modules`. The main content area displays a table of modules.

	Name
<input type="checkbox"/>	admin_menu
<input type="checkbox"/>	advanced_help
<input type="checkbox"/>	calendar
<input type="checkbox"/>	cck
<input type="checkbox"/>	date
<input type="checkbox"/>	email
<input type="checkbox"/>	faq
<input type="checkbox"/>	filefield
<input type="checkbox"/>	flag
<input type="checkbox"/>	google_analytics
<input type="checkbox"/>	imageapi
<input type="checkbox"/>	imagecache
<input type="checkbox"/>	imce
<input type="checkbox"/>	imce_wysiwyg



Advantage

Updates on core

Updates on shared modules

Updates on shared themes

Done Across All Sites

Deploy new sites quickly

Disadvantages

- All sites must be offline during updates
- Must run update.php on all sites while they are offline.



Time Offline

Money

User
Frustration

???

Steps to Setting Up Multi-site










- Create your database
- Create Folders Under Sites folder
- Copy default.settings.php
- Change default.settings.php to settings.php
- Edit settings.php with database information



Database Setup

- Single Database with different prefixes for the tables
 - hhs_
 - hhso_
- Separate database for each site
 - Naming conventions
- Users
 - Naming conventions


Folder Setup

	Name	Size	Type
	all	4 KB	httpd/unix-directory
	blueprintblog.org	4 KB	httpd/unix-directory
	default	4 KB	httpd/unix-directory
	intranet.blueprinteducation.org	4 KB	httpd/unix-directory
	www.blueprinteducation.org	4 KB	httpd/unix-directory
	www.blueprinhighschool.org	4 KB	httpd/unix-directory
	www.bped.us	4 KB	httpd/unix-directory
	www.hopehighonline.org	4 KB	httpd/unix-directory
	www.hopehighschool.org	4 KB	httpd/unix-directory

DNS Setup






cpanel

Addon Domains

An addon domain allows you to reach a sub-domain when entering the name of the addon domain into a browser. This means that you can host additional domains from your account, if allowed by your hosting provider. Addon Domains Subdomains are relative to your account's home directory. The  icon signifies your home directory which is `/home/whereduc`.

Modify Add-on Domain

Search

ADDON DOMAINS	DOCUMENT ROOT	USERNAME	REDIRECTS TO	ACTIONS	
blueprintblog.org	 public_html	blueprintblog	not redirected	Remove	Manage Redirection
blueprinthighschool.org	 public_html	blueprinthighschool	not redirected	Remove	Manage Redirection
hopehighonline.org	 public_html	hopehighonline	not redirected	Remove	Manage Redirection
hopehighschool.org	 public_html	hopehighschool	not redirected	Remove	Manage Redirection
intranet.blueprinteducation.org	 public_html	intranet	not redirected	Remove	Manage Redirection

DNS Setup

Point All Sites to Same IP Address

174.120.6.98

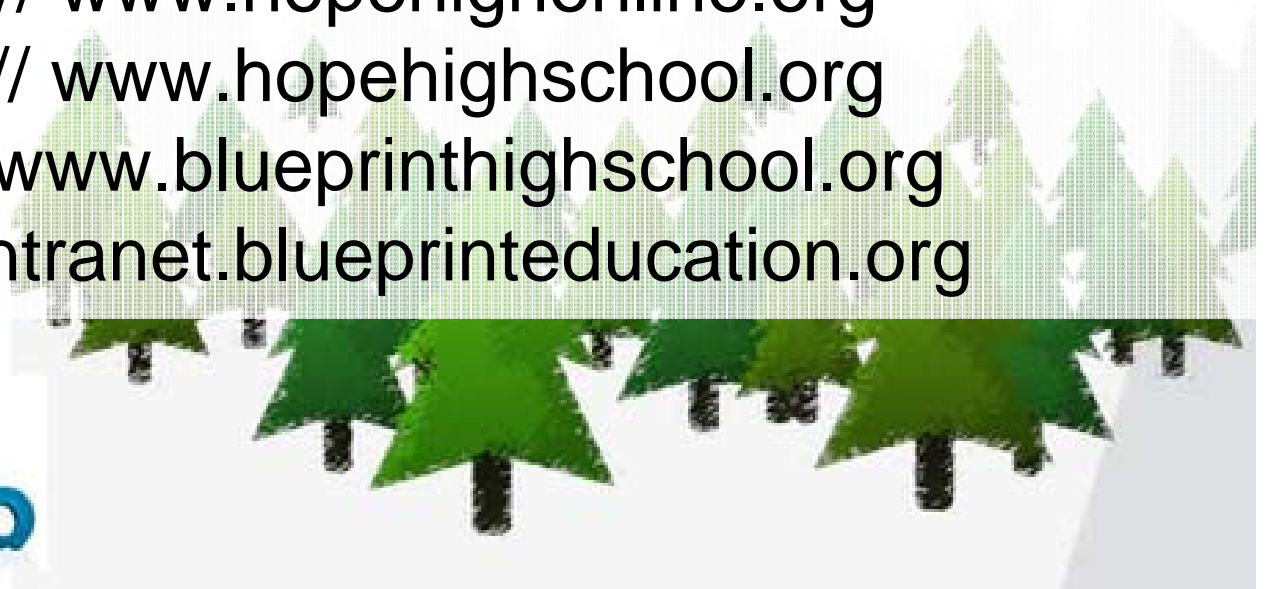
<http://www.blueprintblog.org>

[http:// www.hopehighonline.org](http://www.hopehighonline.org)

<http:// www.hopehighschool.org>

<http:// www.blueprinthschool.org>

<http:// intranet.blueprinteducation.org>



Take It to the Next Level

- Drush
 - <http://drupal.org/project/drush>
- Aegir
 - <http://groups.drupal.org/aegir/overview>



Take It to the Next Level

- Domain Access Module
 - <http://drupal.org/project/domain>
- Install Profiles
- Features



Questions / Comments



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