



Introduction to Multisites

A Beginners Guide

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AGENDA

- Introduction
- What is multisite?
- Why do we use it
- How do we set it up?
- Demo
- Pros
- Cons
- Resources

Who am I?

- Developing with Drupal for the last 5 years
- Previously worked with CakePHP and CodeIgniter
- Last six months has been mobile development using SproutCore

What we use

Drupal
Development



Alfresco
Development



SproutCore
Development



Some of Our Clients

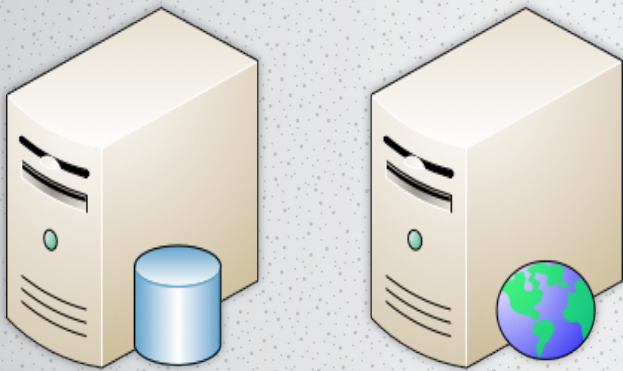































What is Multisite?

Multiple sites running off one code base.

Things you'll need:

- ➡ A server (local server will do. With apache2)
- ➡ A text editor
- ➡ Drupal (6.x, 7.x)
- ➡ Drush (optional)



Name	Date Modified	Size	Kind
 authorize.php	2012-05-02 3:10 PM	7 KB	PHP Source File
 cron.php	2012-05-02 3:10 PM	720 bytes	PHP Source File
 D7.sublime-project	2012-02-22 8:40 PM	76 bytes	JSON
 D7.sublime-workspace	2012-03-23 9:56 AM	25 KB	Document
▶  includes	2012-05-02 3:10 PM	--	Folder
 index.php	2012-05-02 3:10 PM	529 bytes	PHP Source File
 install.php	2012-05-02 3:10 PM	688 bytes	PHP Source File
▶  misc	2012-05-02 3:10 PM	--	Folder
▶  modules	2012-05-02 3:10 PM	--	Folder
▶  profiles	2012-05-02 3:10 PM	--	Folder
 README.txt	2012-05-02 3:10 PM	3 KB	Plain Text
 robots.txt	2012-05-02 3:10 PM	2 KB	Plain Text
▶  scripts	2012-05-02 3:10 PM	--	Folder
▼  sites	Today 8:21 PM	--	Folder
▼  all	Today 8:21 PM	--	Folder
▼  modules	2012-02-04 7:02 PM	--	Folder
▶  contrib	Today 12:09 PM	--	Folder
▶  custom	2012-05-03 1:30 PM	--	Folder
▶  themes	2012-02-04 7:02 PM	--	Folder
▼  d7.dev	2012-05-25 2:39 PM	--	Folder
▶  files	2012-02-04 6:46 PM	--	Folder
 settings.php	2011-01-05 9:58 AM	18 KB	PHP Source File
▼  default	Today 8:17 PM	--	Folder
 default.settings.php	2012-02-04 7:02 PM	20 KB	PHP Source File
 example.sites.php	2012-02-04 7:02 PM	2 KB	PHP Source File
▶  themes	2012-05-02 3:10 PM	--	Folder
 update.php	2012-05-02 3:10 PM	19 KB	PHP Source File
 web.config	2012-05-02 3:10 PM	2 KB	Confi...ion file
 xmlrpc.php	2012-05-02 3:10 PM	417 bytes	PHP Source File

Database Configuration

One database, prefixed tables

More for hosting accounts with limited amount of databases

site1_users

site2_users

Database Configuration

Multiple databases

Separate databases for each site

- Organized and more manageable
- Tougher to separate databases out if a site needs to be moved out of the multisite setup

Separate database for ONLY the shared tables

- For installs that do not exist in the default schema
- For accessing several databases from the same code base at the same time.
- More management, harder to move databases around if needed.

```
* The configuration file to be loaded is based upon the rules below.  
*  
* The configuration directory will be discovered by stripping the  
* website's hostname from left to right and pathname from right to  
* left. The first configuration file found will be used and any  
* others will be ignored. If no other configuration file is found  
* then the default configuration file at 'sites/default' will be used.  
*  
* For example, for a fictitious site installed at  
* http://www.drupal.org/mysite/test/, the 'settings.php'  
* is searched in the following directories:  
*  
* - sites/www.drupal.org.mysite.test  
* - sites/drupal.org.mysite.test  
* - sites/org.mysite.test  
*  
* - sites/www.drupal.org.mysite  
* - sites/drupal.org.mysite  
* - sites/org.mysite  
*  
* - sites/www.drupal.org  
* - sites/drupal.org  
* - sites/org  
*  
* - sites/default  
*  
* If you are installing on a non-standard port number, prefix the  
* hostname with that number. For example,  
* http://www.drupal.org:8080/mysite/test/ could be loaded from  
* sites/8080.www.drupal.org.mysite.test/.  
*/
```

Why Multisite?

- Code Management
- Cost Effective
- Streamlines Development



How do we set it up?

Things we needed

- A server. I'm using my localhost
- A text editor
- Drupal install (7.14)

Only a few steps away from a multisite setup

- Setting up your VirtualHost file
- Install the first site
- Install the second site
- Site specific modules/themes (optional)
- Site aliases (optional)
- Sharing database tables (optional)

PROS

- Code updates are made only on a single code base
- Sharing of tables across sites.
- Platform development. Develop once, deploy “n” times

CONS

- Content can sometimes be tough to share across sites. We tend to have a “central” content server to get around this issue.
- Takes more time to setup the servers.
- Can get stressful on a single server architecture if you have lots of sites.
- Updating core and contributed modules means running `update.php` for each site. Enter Drush!

Resources

The default/default.settings.php file (Very well documented)

<http://github.com/afraazali>



Thank You!

Questions and Comments?

Your Full Name – *Your title*

youremail@appnovation.com