



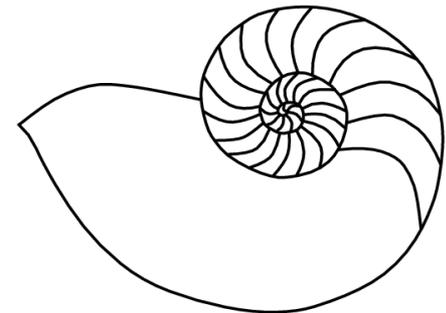
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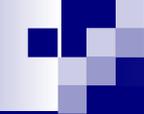
Computer Science

Blogging & Podcasting with WordPress & podPress

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November 9, 2010
MUUG Meeting

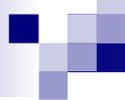




WARNING:

Tonight's presenter is not a fan of blogs, blogging, micro-blogging or social media sites. In fact, he's not even crazy about the word "*blog*"!

Viewer discretion is advised.



What's needed?...

- Simple: easy to install & maintain
- Open source: no licensing issues
- Reliable & well supported
- Multi-user, multi-site
- Main goal: no-hassle podcasting
 - Support for RSS, iTunes
 - Easy to post



WORDPRESS.ORG

- Simple: easy to install & maintain
 - Claims “5-minute installation”
 - Easy to install & upgrade plug-ins
 - All admin tasks done via web interface
- Open source: no licensing issues
 - “both free and priceless at the same time”
- Reliable & well supported
 - Current stable version is 3.0.1
- Multi-user, multi-site
 - The latter requires some hand-editing
- Main goal: no-hassle podcasting
 - Requires “podPress” plug-in

podPress Plug-in

- Full featured and automatic feed generation (RSS2, iTunes and ATOM and XSPF playlist)
- Podcast Download stats, with graphs.
- Makes adding a podcast to a post *very simple*
- View MP3 Files ID3 tags when you're posting
- Support for various formats, including Video Podcasting
- Supports unlimited number of media files.
- Automatic Media player for MP3, RM, OGG, OGV, MP4, MOV, QT, FLV, ASF, WMV, AVI, and more, with inline and Popup Window support. (*Flash required*)

What else is needed?...

- Web server (e.g. Apache)
- PHP 4.3 or greater (5.2 or greater preferred)
- MySQL 4.1.2 or greater
- For multi-site & some “permalinks” support:
 - Apache mod_rewrite module
- “Not required, but recommended for better security”:
 - suPHP & Apache mod_suphp module
- Optional, but useful:
 - phpMyAdmin

Multi-site/Network Support

- Pre-version 3.0 (e.g. 2.x):
 - Code fork WordPress-μ (WordPress-MU)
- Version 3.0+:
 - Built-in multi-site support
- Requires some hand-editing of config files
- Admin tasks must be repeated per blog
- codex.wordpress.org/Create_A_Network

“Famous 5-Minute Install”

1. Download & unzip WordPress package.
2. Create database for WordPress & MySQL user for accessing & modifying it.
3. Rename wp-config-sample.php file to wp-config.php.
4. Open wp-config.php in text editor & fill in your database details as explained in [Editing wp-config.php](#).
5. Place the WordPress files in the desired location on your web server:
 - Root of domain:
move WordPress directory contents into web document root.
 - Subdirectory: rename directory “wordpress” to desired name.
For example: “blog”.
6. Run WordPress installation script wp-admin/install.php in web browser.
 - WordPress in root directory:
visit: <http://example.com/wp-admin/install.php>
 - WordPress in subdirectory called blog:
visit: <http://example.com/blog/wp-admin/install.php>

Yeah, But...

- Some of the prerequisites may be complicated
- Post-install configuration more involved
- Multi-site support still more involved
- suPHP is very poorly documented
 - Sample configs are out-of-date or just wrong!
- And then there's the whole "www." thing...



WARNING:

WordPress *silently* enforces the no-www.org policy, which may conflict with or even break your existing web server configuration.

Some DNS-fu may also be required!

What's ?...

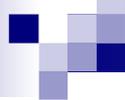
- “A tool for executing PHP scripts with the permissions of their owners”
- Consists of...
 - Apache module (**mod_suphp**) and
 - Setuid-root binary (**suphp**) called by module to change *uid* of process executing PHP interpreter
 - Config file for each

Edit /etc/suphp.conf

- [global]
- ...
- env_path="/bin:/usr/bin"
- check_vhost_docroot=false
- ...
- [handlers]
- ;Handler for php-scripts
- x-httpd-php="php:/usr/bin/php-cgi"
-
- ;Handler for CGI-scripts
- x-suphp-cgi="execute:!self"

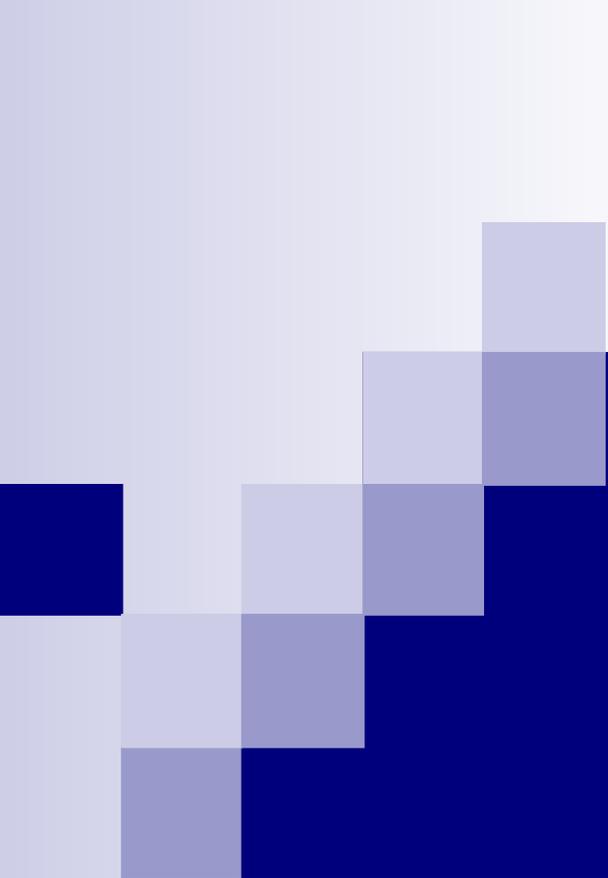
Edit /etc/httpd/conf.d/suphp.conf

- LoadModule suphp_module modules/mod_suphp.so
- # Allow mod_suphp and mod_php5 to coexist...
- <Directory /home>
- suPHP_Engine on
- suPHP_AddHandler x-httpd-php
- AddHandler x-httpd-php .php
- <IfModule mod_php5.c>
- php_flag engine off
- </IfModule>
- </Directory>



Demo

1. Five-minute install - “Time me!”
2. Basic admin tasks (web-based config)
 - Plug-in install/upgrade
 - WordPress configuration
 - podPress configuration
3. Post an article (with media)!



Questions?