

Ubuntu-MD Presentation – September 26, 2015

Ubuntu 15.10 Review

1. Kernel 4.2
2. OpenStack cloud software
3. Stateless persistent network interface names
4. The Gnome Stack
5. Scrollbars

Installing Wordpress and Joomla CMS on Ubuntu-MD

Requires Apache2, Php5, MySQL and DNS like Bind9 along with CMS software
Setup LAMP server

Easy way use tasksel (sudo apt-get install tasksel and choose LAMP)

Commandline:

Apache2 sudo apt-get update
 sudo apt-get install apache2
 Verify by checking the ip (localhost) via browser <http://ip> address or
<http://localhost>
 Obtain external ip use curl <http://icanhazip.com>

MySQL sudo apt-get install mysql-server php5-mysql (remember root password)
 Create database structure – sudo mysql_install_db
 Secure MySQL – sudo mysql_secure_installation and answer no to create
 password and yes to everything else.

Php5 sudo add-apt-repository universe
 sudo apt-get update
 sudo apt-get install php5 libapache2-mod-php5 php5-mcrypt
 Make apache2 look for index.php files first so modify dir.conf:
 sudo nano /etc/apache2/mods-enable/dir.conf
 <IfModule mod_dir.c> (make index.php the first item on the next line
 DirectoryIndex index.php index.html ...
 </IfModule> (Use ctrl-x to save and close the file)
 sudo service apache2 restart
 Can add additional Php modules like php5-cli (commandline interpreter),
 php5-gd (graphics handling), php5-curl, etc.

Test Php5 Create file sudo nano /var/www/html/info.php
 <?php
 phpinfo();
 ?>
 Save and close the file.
 Then go to http://your_server_ip_or_localhost/info.php and you should see a
 page that gives you PHP version and other settings. Remove the page after
 completing the test

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Wordpress Installing

- Download latest version `cd to /tmp wget http://wordpress.org/latest.tar.gz
extract tar -xvzf latest.tar.gz`
- Move wordpress folder
contents to Apache2 root Use `sudo mv wordpress/* /var/www/html/`
- Create wordpress database Use `mysql -u root -p`
 `CREATE DATABASE wpdb;`
 Now create a new wpdb user:
 `CREATE USER wpuser@localhost IDENTIFIED BY`
 `'new_password_here';`
 Then give new user full control on wpdb:
 `GRANT ALL ON wpdb.* to wpuser@localhost;`
 `FLUSH PRIVILEGES;` (to apply changes and exit)
- Configuring Wordpress Make a copy of the wp-sample config file so it can be used to access
 your database:
 `sudo cp /var/www/html/wp-config-sample.php /var/www/html/wp-`
 `config.php`
 Edit it `sudo nano /var/www/html/wp-config.php` (change the following
 lines to match your credentials)
 `define('DB_NAME','wpdb');`
 `define('DB_USER','wpuser');`
 `define('DB_PASSWORD', 'password');`
 Save and close the file (Ctrl-x)
- Grant Apache2 permissions `sudo chown -R www-data:www-data /var/www/html/`
 `sudo chmod -R 755 /var/www/html`
 `sudo service apache2 restart`
- Access Wordpress http://ip_server or `localhost/wp-admin/install.php` and follow the
 wizard to complete the setup of your wordpress site.

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Joomla CMS Setup

Download the latest version	Use wget https://github.com/joomla/joomla-cms/releases/download/3.4.4/Joomla_3.4.4-Stable-Full_Package.zip create a dir and move it to that directory: mkdir Joomla-latest-34 cp Joomla_3.4.4-Stable-Full_Package.zip Joomla-latest-34/ cd Joomla-latest-34 unzip Joomla_3.4.4-Stable-Full_Package.zip sudo mkdir /var/www/html/newsitename sudo cp -a Joomla-latest-34/* /var/www/html/newsitename/
Create Joomla site database	Use mysql -u root -p CREATE DATABASE joomladb; Now create a new wpdb user: CREATE USER joomlauser@localhost IDENTIFIED BY 'new_password_here'; Then give new user full control on wpdb: GRANT ALL ON joomladb.* to joomlauser@localhost; FLUSH PRIVILEGES; (to apply changes and exit)
Apache2 Permissions	sudo chown -R www-data:www-data /var/www/html/newsitename sudo chmod -R 755 /var/www/html/newsitename sudo service apache2 restart
Configure Joomla Site	Go to http://ip_server(or_localhost)/newsitename/index.php
Additional server configuration	On Ubuntu 14.04 servers apache2 will not be default show webservers using just ip address. You will need to setup local domain names: Create the domain name file sudo nano /etc/apache2/sites-available/wordpress-test.com.conf <VirtualHost *:80> ServerAdmin rswift@swiftstaffing.com ServerName www.wordpress-test.com ServerAlias wordpress-test.com www.wordpress-test.com DocumentRoot /var/www/html/wordpress-test DirectoryIndex index.php default.php ErrorLog /var/log/apache2/wordpress-test.error.log TransferLog /var/log/apache2/wordpress-test.transfer.log </VirtualHost> Save and exit sudo a2ensite wordpress-test.com

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```
sudo service apache2 restart
```

Lastly create an entry in your /etc/hosts file if accessing the website from a workstation on the same LAN like this:

```
sudo nano /etc/hosts  
server-ip-address  wordpress-test.com
```

Save and exit

Now you can access your new website from your workstation on the same LAN by using <http://www.wordpress-test.com>