

# Drupal

- WPLUG
- General User Meeting
- January 9, 2010

# Who am I

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# Drupal

What is Drupal?

Main Competitors

Requirements

Structure

Installation

# What is Drupal?

- Content Management System
  - Why use a CMS?
  - Why use Drupal?
    - Open source
    - Builds dynamic web sites

# What is Drupal?

- Written in PHP
- Allows multiple web sites using the same Drupal installation

# Main Competitors

- Joomla
- WordPress

# System Requirements

<p><b>Web Server</b></p> <p>Apache</p> <p>MicroSoft IIS</p>	<p><b>PHP</b></p>
<p><b>Database</b></p> <p>MySQL</p> <p>PostgreSQL</p>	<p><b>(LAMP SERVER)</b></p> <p><b>(Ubuntu Server Edition)</b></p>

# Structure

- Node
- Module
- Theme
  - Defines what regions are displayed on each page
- Block
- Page
- Story



# Structure

- Block
- Page
- Story
- Region
  - Sidebar, Header, Footer,  
Content

# Structure

- Users
  - User or Admin Created
  - User/1 - SuperUser
- Roles
  - Anonymous User (Default with Drupal)
  - Authenticated User (Default with Drupal)
  - Site Manager – has all permissions
  - Editor – create and edit content
- User Permissions

# Basic Data Flow

- Your browser requests a web page
- The server finds the requested page and passes it to PHP
- The PHP program contains code to extract information from the database and piece together an HTML script
- The HTML script is sent to your browser

# Installation

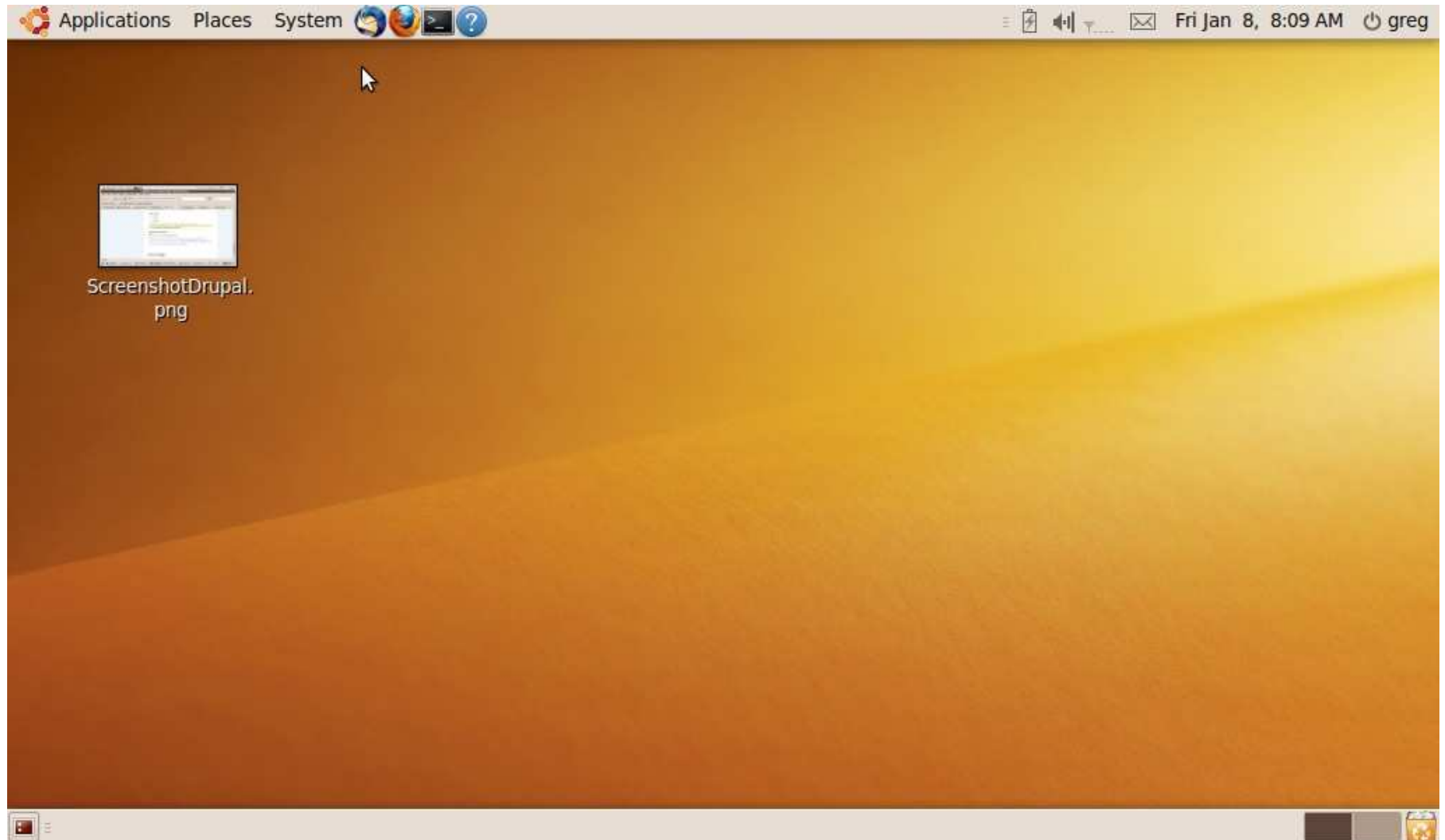
- <http://drupal.org/getting-started/install>
- <http://drupal.org/project/drupal>
- <http://acquia.com/>
  - Drupal core modules plus
    - Calendar module
    - CCK - custom content types
    - Views module – customized database queries
- Run the install script

# Starting with Drupal

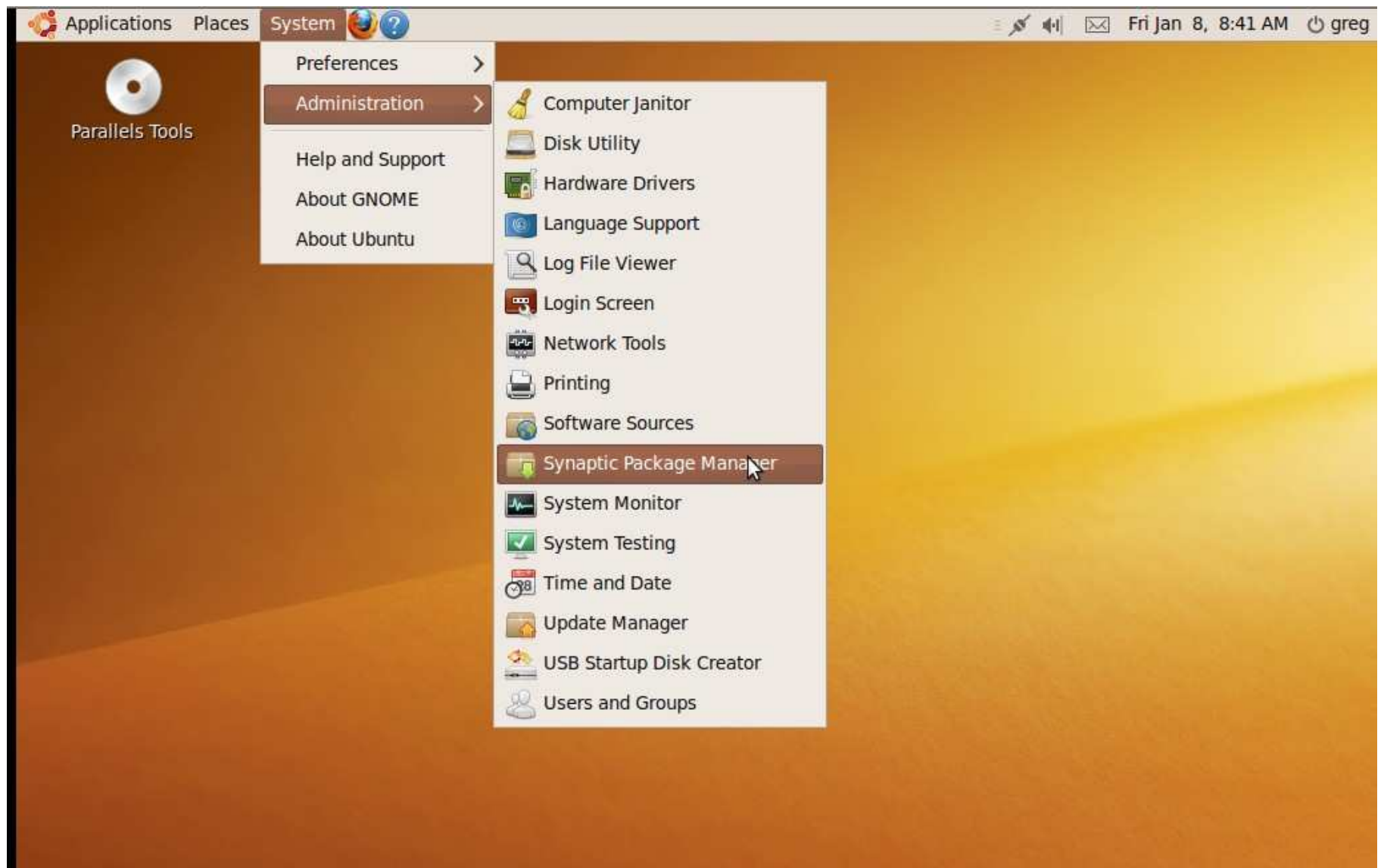
WPLUG GUM

Saturday, Jan 9, 2010

# Start with Familiar Ubuntu Desktop

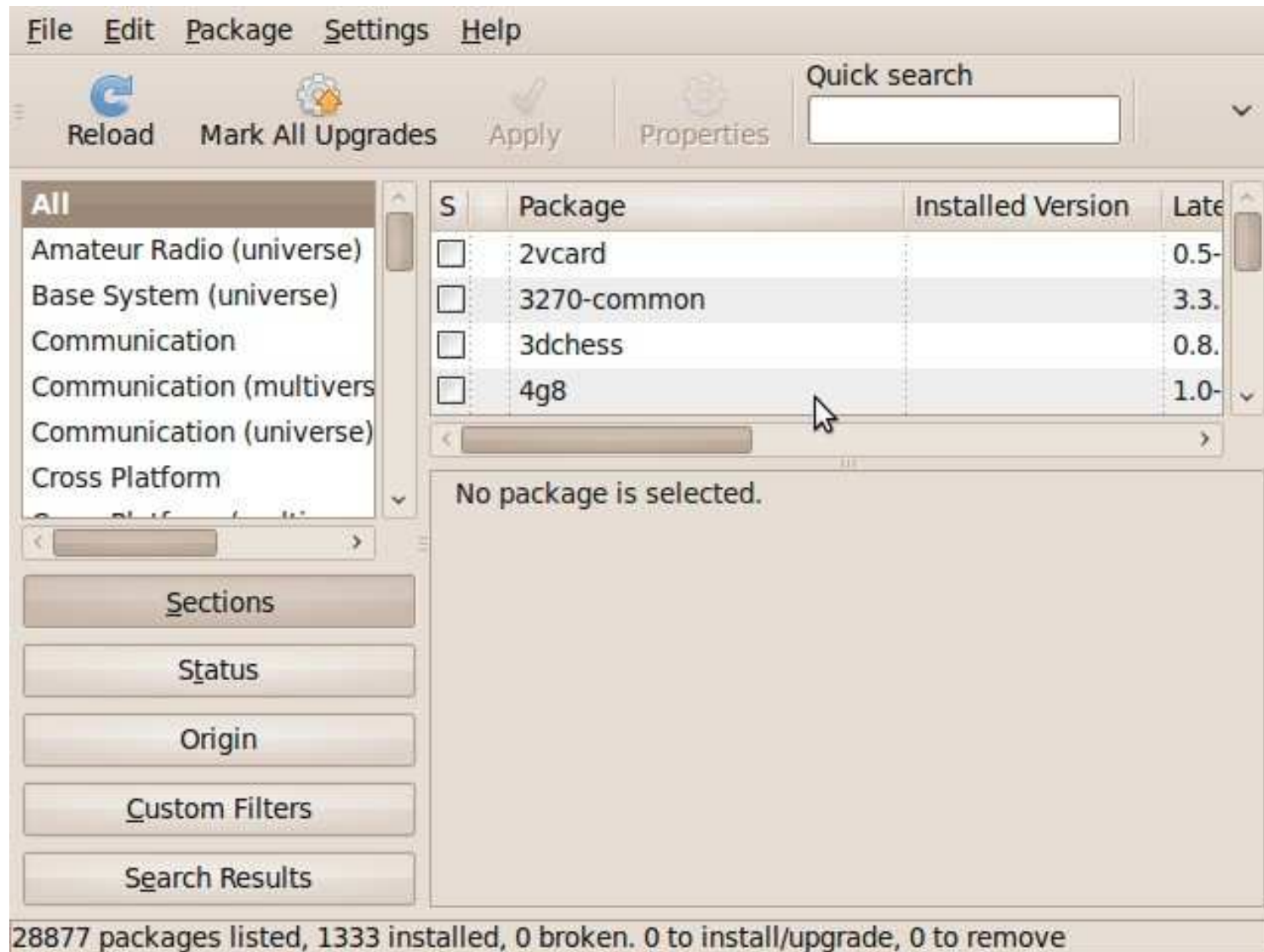


# Launch Synaptic



# Don't Use Normal Synaptic Procedure

## It took me a month to recover



The screenshot shows the Synaptic Package Manager window. The menu bar includes File, Edit, Package, Settings, and Help. The toolbar contains icons for Reload, Mark All Upgrades, Apply, and Properties, along with a Quick search input field. On the left, a sidebar lists various categories like Amateur Radio, Base System, and Communication. The main area displays a table of installed packages with columns for S, Package, Installed Version, and Latest Version. A mouse cursor is pointing at the '4g8' package. Below the table, a message states 'No package is selected.' At the bottom, a status bar reports: '28877 packages listed, 1333 installed, 0 broken. 0 to install/upgrade, 0 to remove'.

S	Package	Installed Version	Latest Version
<input type="checkbox"/>	2vcard		0.5-
<input type="checkbox"/>	3270-common		3.3.
<input type="checkbox"/>	3dchess		0.8.
<input type="checkbox"/>	4g8		1.0-

No package is selected.

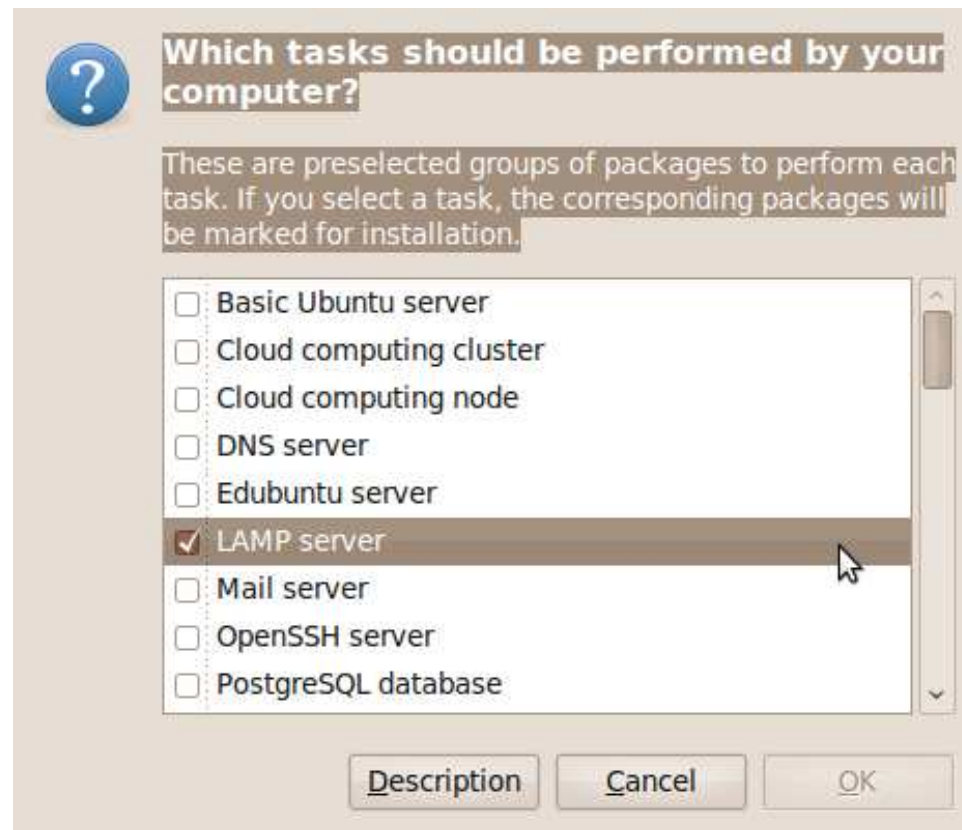
28877 packages listed, 1333 installed, 0 broken. 0 to install/upgrade, 0 to remove



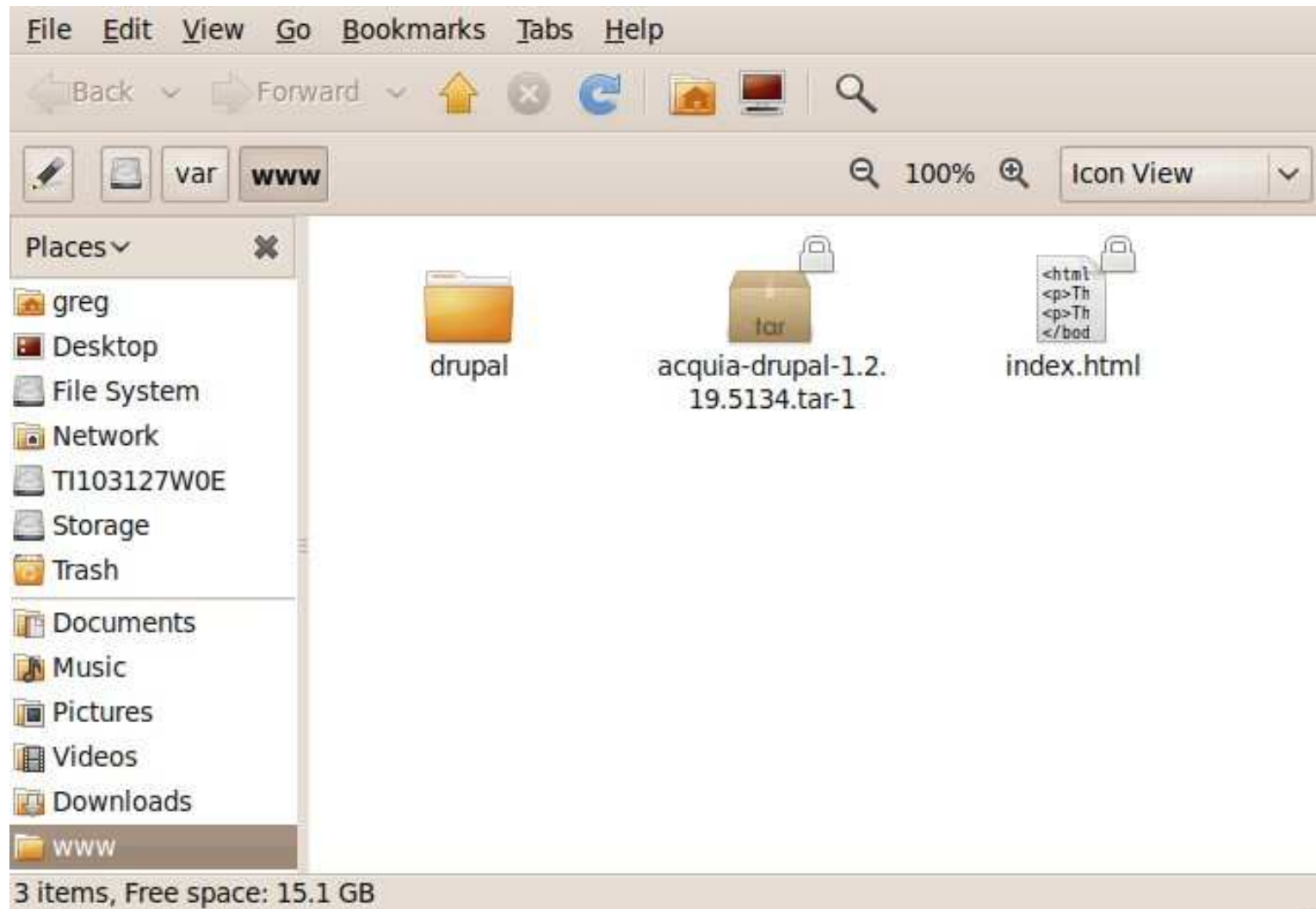
# Use Mark Packages by Task On Edit Menu



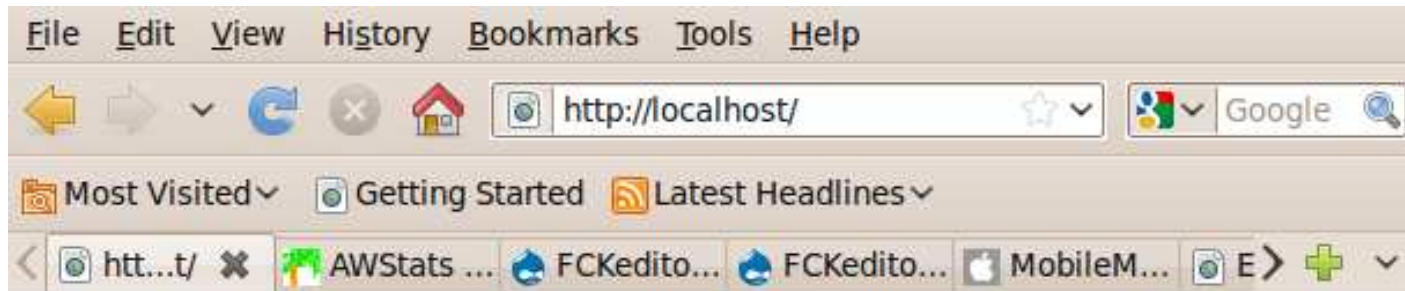
# Select LAMP Server



LAMP install creates /var/www folder to store web files, starting with index.html. Added a folder here for drupal.



With Proper Install, <http://localhost> will display dummy page.



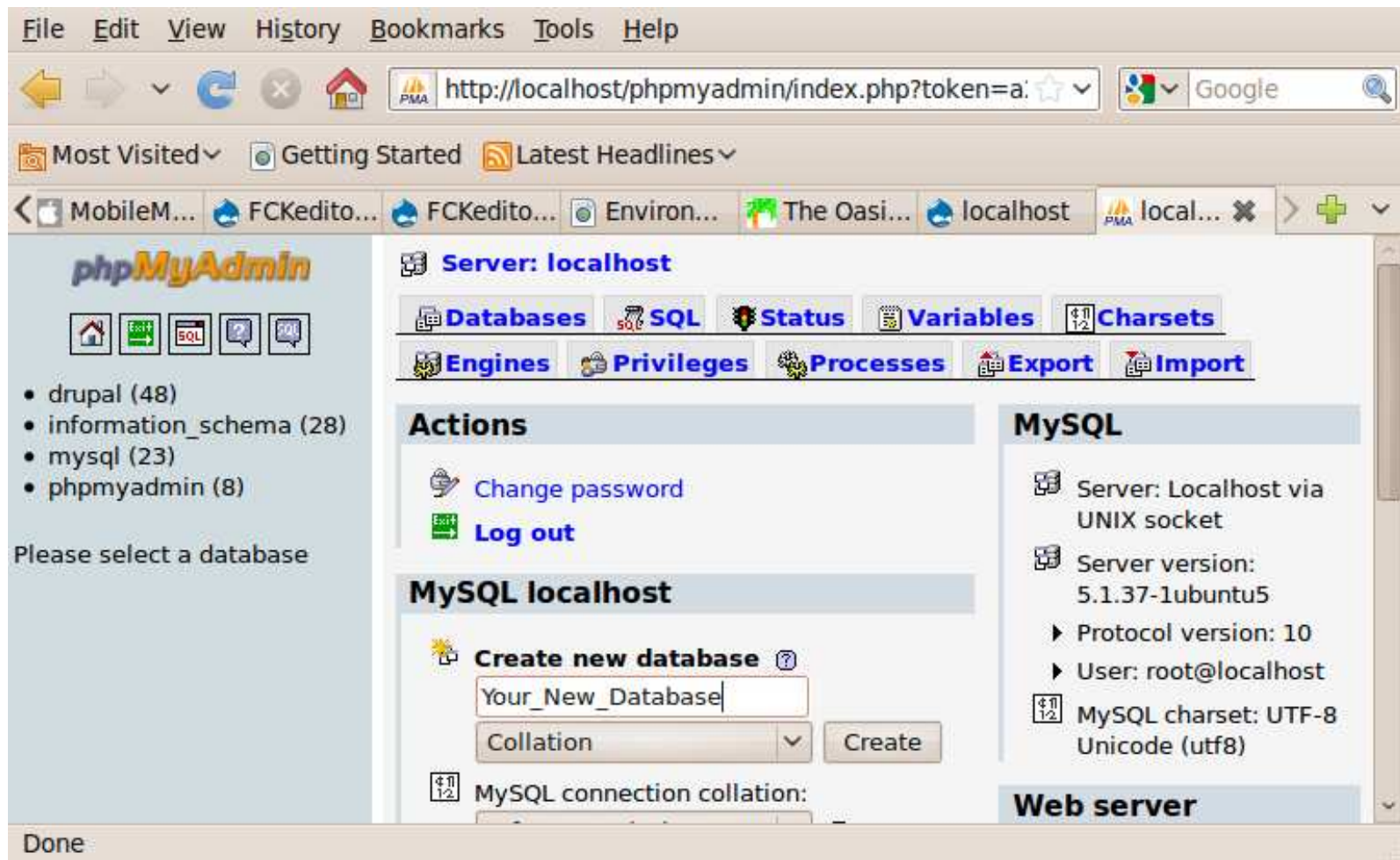
**It works!**

This is the default web page for this server.

The web server software is running but no content has been added, yet.

Done

After installing phpadmin from Synaptic, browse to <http://localhost/phpmyadmin> to create db

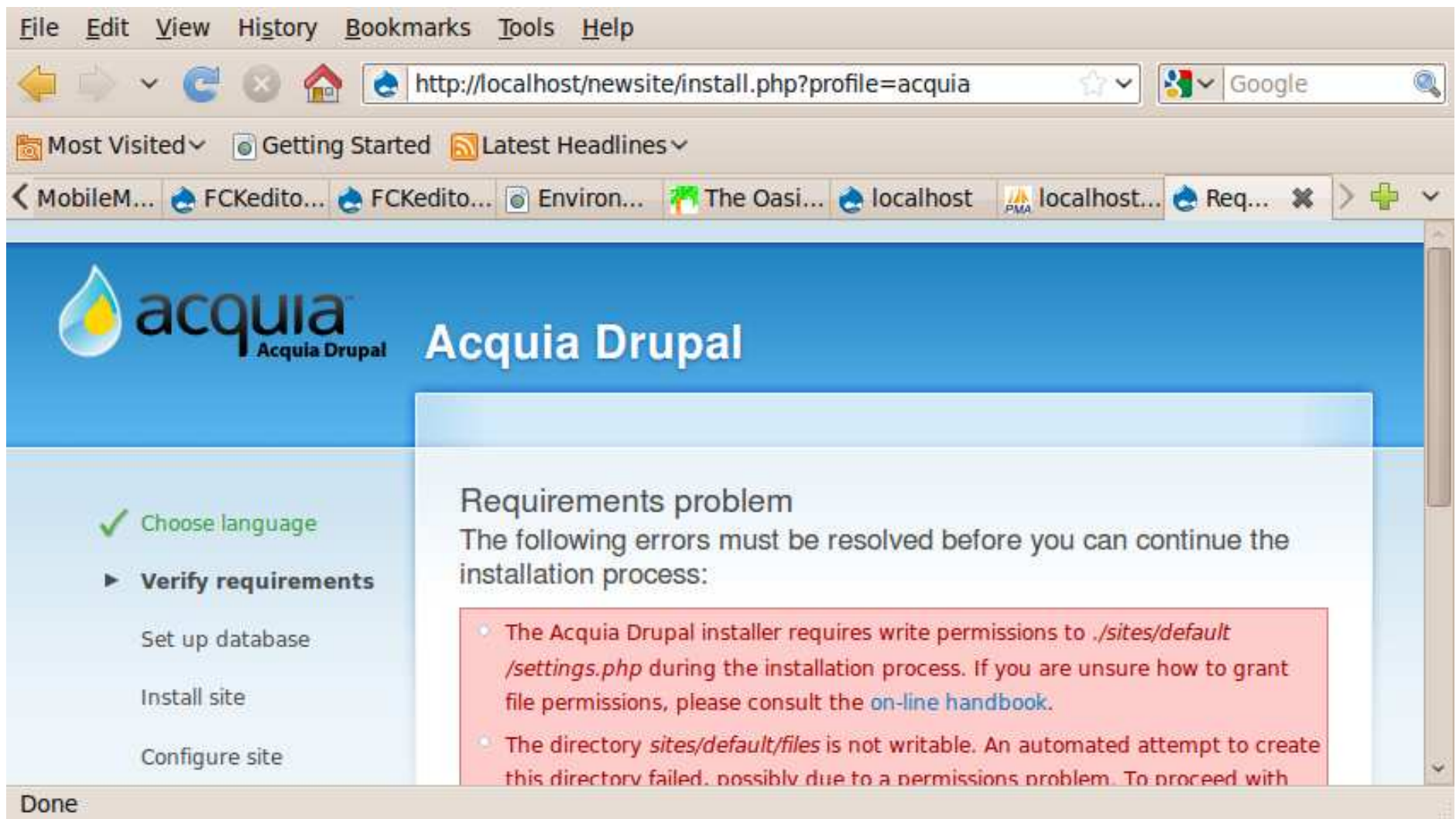


# Easy to Install

Browse to new folder and Drupal installation starts automatically



# Acquia Drupal Installation



The screenshot shows a web browser window displaying the Acquia Drupal installation interface. The browser's address bar shows the URL `http://localhost/newsite/install.php?profile=acquia`. The page features the Acquia logo and the text "Acquia Drupal". A sidebar on the left contains a list of installation steps: "Choose language" (marked with a green checkmark), "Verify requirements" (marked with a right-pointing triangle), "Set up database", "Install site", and "Configure site". A central panel displays a "Requirements problem" message, stating that the installation process cannot continue until the following errors are resolved:

- The Acquia Drupal installer requires write permissions to `./sites/default/settings.php` during the installation process. If you are unsure how to grant file permissions, please consult the [on-line handbook](#).
- The directory `sites/default/files` is not writable. An automated attempt to create this directory failed, possibly due to a permissions problem. To proceed with

The browser window includes a menu bar (File, Edit, View, History, Bookmarks, Tools, Help), a search bar with "Google", and several open tabs. The status bar at the bottom of the browser window displays the word "Done".


# Error Cleared

File Edit View History Bookmarks Tools Help

http://localhost/newsite/install.php?profile=acquia

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MobileM... FCKedito... FCKedito... Environ... The Oasi... localhost localhost... Data...

 **acquia**  
Acquia Drupal

## Acquia Drupal

- ✓ Choose language
- ✓ Verify requirements
- ▶ **Set up database**
- Install site
- Configure site

### Database configuration

Basic options

To set up your Acquia Drupal database, enter the following information.

**Database name:** \*

The name of the *mysql* database your Acquia Drupal data will be stored in. It must exist on your server before Acquia Drupal can be installed.

Done



# Enter New db in Install

File Edit View History Bookmarks Tools Help

http://localhost/newsite/install.php?profile=acquia

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✓ Verify requirements

▶ Set up database

Install site

Configure site

Finished

Basic options

To set up your Acquia Drupal database, enter the following information.

**Database name:** \*

Your\_New\_Database

The name of the *mysql* database your Acquia Drupal data will be stored in. It must exist on your server before Acquia Drupal can be installed.

**Database username:** \*

root

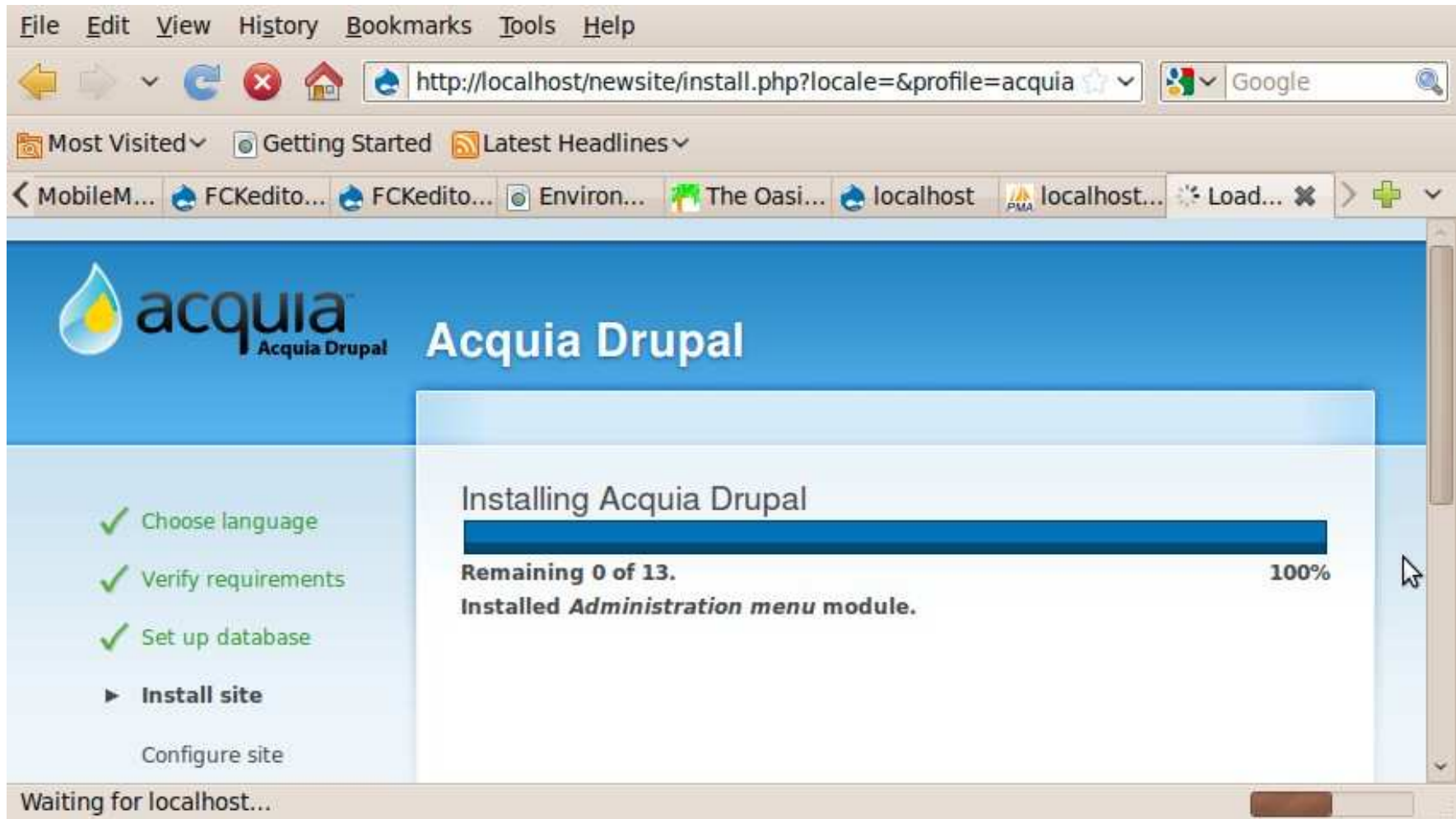
**Database password:**

●●●●●●

▶ Advanced options

Done

# Drupal Installs Easily



The screenshot shows a web browser window with the URL `http://localhost/newsite/install.php?locale=&profile=acquia`. The browser's address bar and menu bar are visible. The page content features the Acquia Drupal logo and a progress bar titled "Installing Acquia Drupal". The progress bar is at 100% completion, with the text "Remaining 0 of 13." and "Installed *Administration menu* module." displayed below it. On the left side of the page, there is a list of installation steps, all of which are marked with green checkmarks: "Choose language", "Verify requirements", "Set up database", "Install site", and "Configure site". The status bar at the bottom of the browser window displays "Waiting for localhost..."

File Edit View History Bookmarks Tools Help

http://localhost/newsite/install.php?locale=&profile=acquia

Most Visited Getting Started Latest Headlines

MobileM... FCKedito... FCKedito... Environ... The Oasi... localhost localhost... Load... x

acquia Acquia Drupal Acquia Drupal

Installing Acquia Drupal

Remaining 0 of 13. 100%

Installed *Administration menu* module.

- ✓ Choose language
- ✓ Verify requirements
- ✓ Set up database
- ▶ Install site
- Configure site

Waiting for localhost...

# Complete short config

File Edit View History Bookmarks Tools Help

http://localhost/newsite/install.php?locale=&profile=acqua

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MobileM... FCKedito... FCKedito... Environ... The Oasi... localhost localhost... Conf...

granted all permissions and can perform any administrative activity. This will be the only account that can perform certain activities, so keep its credentials safe.

**Username:** \*

Spaces are allowed; punctuation is not allowed except for periods, hyphens, and underscores.

**E-mail address:** \*

All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.

**Password:** \*

Password strength: **Low**

**Confirm password:** \*

Passwords match: **Yes**

The password does not include enough variation to be secure. Try:

Done

# Completion Notice



The screenshot shows a web browser window with the URL `http://localhost/newsite/install.php?locale=&profile=acquia`. The browser's address bar and tabs are visible at the top. The main content area features the Acquia Drupal logo and a blue header with the text "Acquia Drupal". Below the header, a light blue box contains the following text:

Acquia Drupal installation complete

Unable to send e-mail. Please contact the site administrator if the problem persists.

Congratulations, Acquia Drupal has been successfully installed.

Please review the messages above before continuing on to [your new site](#).

On the left side of the page, a list of installation steps is shown with green checkmarks:

- ✓ Choose language
- ✓ Verify requirements
- ✓ Set up database
- ✓ Install site
- ✓ Configure site

The browser's status bar at the bottom left displays the word "Done".

# New Site with User 1 logged in.

File Edit View History Bookmarks Tools Help

http://localhost/newsite/ Google

Most Visited Getting Started Latest Headlines

MobileM... FCKedito... FCKedito... Environ... The Oasi... localhost localhost... local... x + v

Content management Site building Site configuration User management Reports Subscription not active 0 / 1 Log out webmaster Help

**Acquia** Acquia Drupal **localhost**

webmaster

- My account
- Create content
- Administer
- Log out

If you have an [Acquia Network subscription](#), please enter your subscription key and identifier on the [settings page](#).

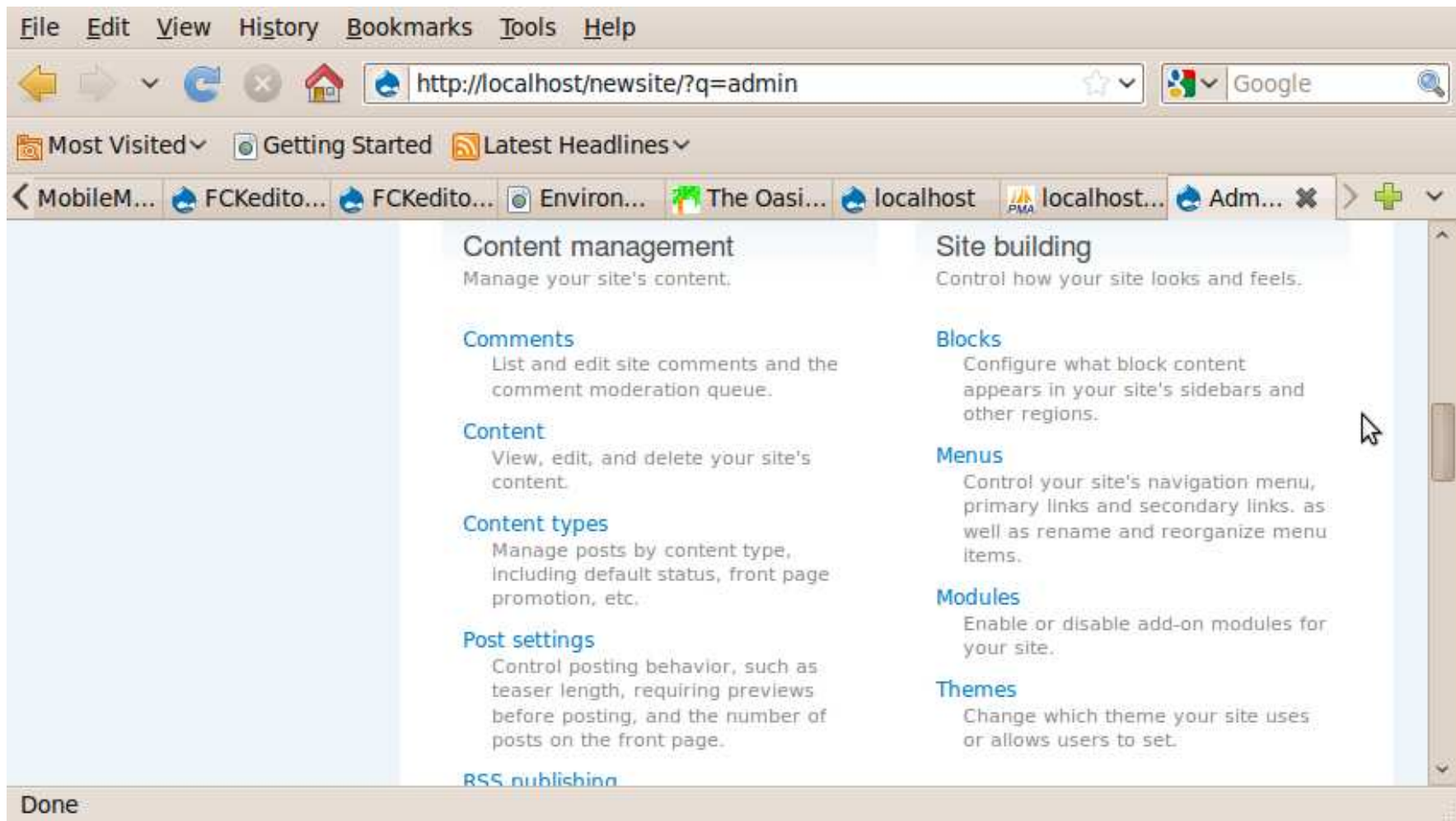
**Welcome to your new Acquia Drupal website!**

If you are new to Drupal, follow these steps to set up your web site in minutes:

Done



# Click on Administer to Access all the magic - See Modules and Themes



# Discussion

- Who has comments?