

## CIS4407 - 2008 Summer

### Group Assignment 5

Journals Due Monday, July 7th, at the beginning of class.

#### **Assignment:** *Web servers*

Your objective is to set up two webservers, both of which are content management services (CMS). Both are standard LAMP, so this will entail setting up a database server and a webserver.

Your first step on both machines is to install the `mysql-server` package from yum. Use `chkconfig` to set it up to run at all appropriate run levels, and reboot to make sure that it does.

Next you may need to install apache; you can check if each of your machines has apache by doing `rpm -qa httpd`. Again, use `chkconfig` to set it to run at all appropriate run levels. (You may get an error message about only using the 127.0.0.1 interface; if so, you will have to figure out how to remediate this.)

Your next step is to install php on both machines; you then will need to also install `php-mysql`.

Now on your `s1` machine, pull down the latest 1.5.x version of Joomla! from <http://www.joomla.org>, and install it. Test over your local interface (127.0.0.1) and on your `eth0` interface that it works, and add a small amount of content about our department and our university to the system.

Then on your `s2` machine, pull down the latest 6.2 version of Drupal from <http://www.drupal.org>, and install it. Test over your local interface (127.0.0.1) and on your `eth0` interface that it works, and add content similar to what is on your `s1` machine.

Test from `s1` that you can read content on `s2`, and vice versa.

Finally, reboot both machines, and verify that everything is working correctly.

Please bear in mind that both SELinux and firewalls might interfere with your efforts; if you run across unexpected problems, these are the places to start looking.

A journal is due for this assignment. Make sure that you document in your journal all of the steps that you went through, following the guidelines on the class home page. Please share the workload so that all team members get experience with all aspects of the work. **Don't forget to assign your work percentages to yourself and your other teammates in your journal.**

Please turn in a printed copy of this assignment at the beginning of class on Monday, July 7th.