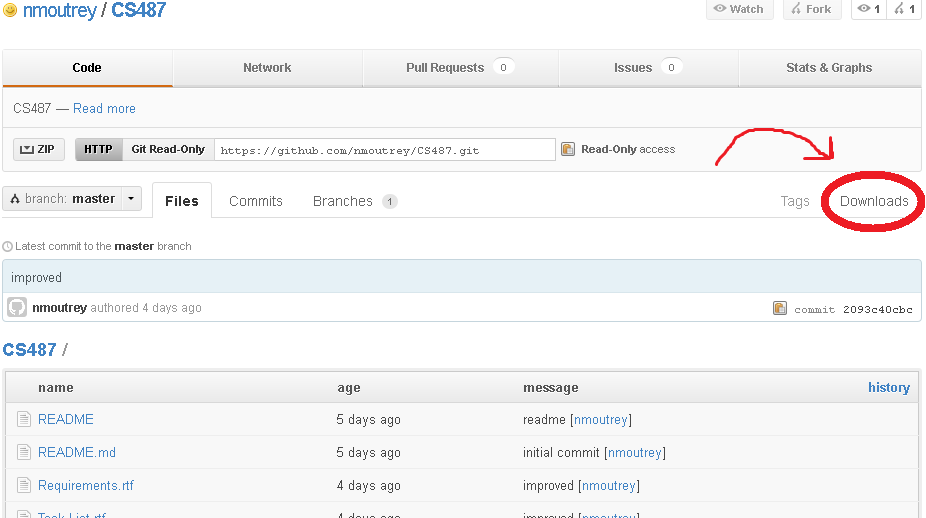
**Instructions to View Site**

As the site is already hosted on Omega, to merely access the site, all that is required is to visit <http://omega.cs.iit.edu/~nmoutrey/home.php> for the user site, or <http://omega.cs.iit.edu/~nmoutrey/admin.php> for the admin control panel.

If you wish to download the source code for the site’s php files, along with an extra copy of the deliverables, license information, etc, go to <https://github.com/nmoutrey/CS487>. This has all relevant files in public domain. You do not even need to be logged in to Github to access or download. To download the files, click the Downloads button towards the right (picture below), choose to download the source code as either a zip or a tar.gz file, and unzip it into a folder on your machine.



However, having the source code does not allow you to preview the file locally. You can view the HTML page in a browser, but the PHP code will not work. In order to run the PHP code, you must have a server. There are different sets of instructions below for hosting on Omega, hosting on another’s server, and hosting on your own server.

**Hosting on Omega**

Omega is accessible freely by all IIT staff. However, you must have an account created in order to use its services.

Step 1) Get an account on Omega

Normally, the omega website would have a service to automatically request an account. However, due to renovations, it is necessary to manually send an email to [**eklu@hawk.iit.edu**](mailto:eklu@hawk.iit.edu) or [**dbiedrzy@iit.edu**](mailto:dbiedrzy@iit.edu).

Include the following information in your request:

Full Name

IIT Email

Last 4 Digits of CWID

Academic Standing (Freshman, Senior, Professor, etc.)

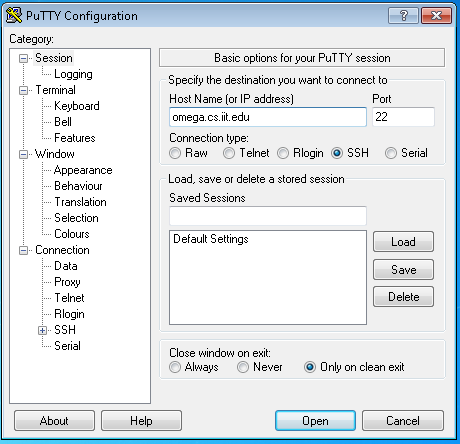
Major

Desired Username

Your request should be fulfilled within a few business days.

Step 2) Access Omega

After your account is created, you will be able to access your own directory on the server, using an ssh client like Putty (example below)



Put in your desired username and automatically generated password (it is recommended to change the password later, but for now it’s not strictly necessary), and you should be in your home directory, named after your desired username. If your home directory was not created along with the account, reply with a follow-up email to the person who created your account.

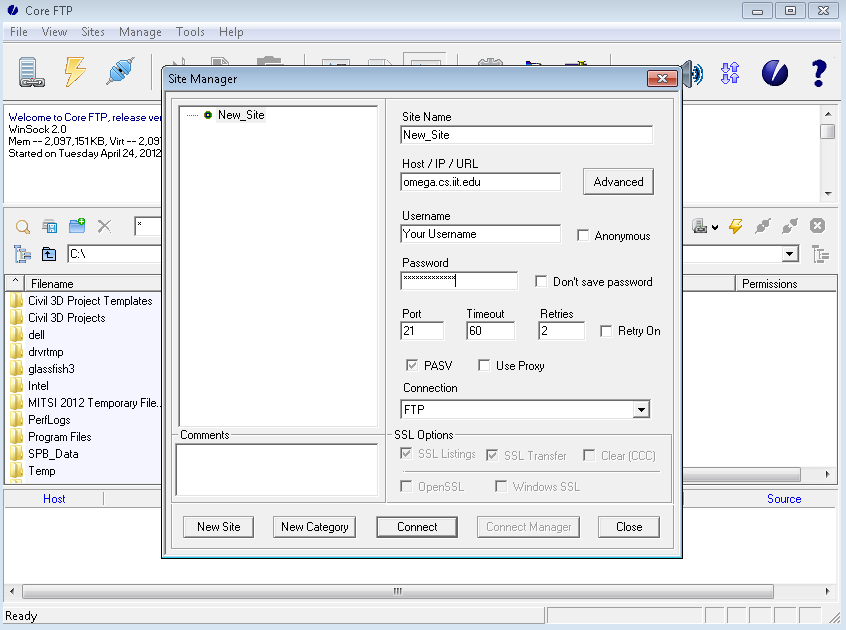
Once you have your home directory, run the following command:

*mkdir public\_html*

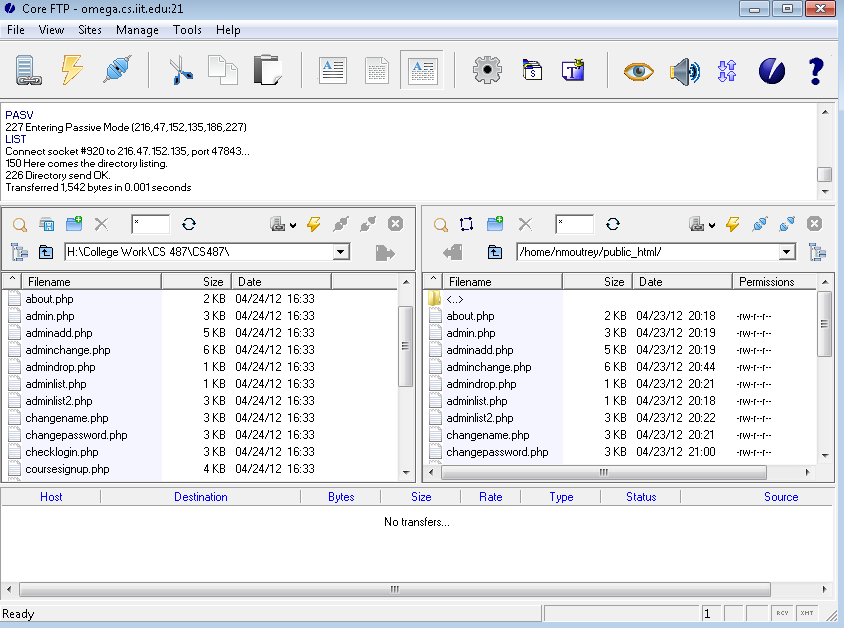
This will create the folder that the site files will reside in. Omega’s Apache webserver will access this directory to host the site.

Step 3) Transfer Files

After the directory is created, the only remaining step is to transfer the files to Omega. This will be done using Core FTP (free version will work, acquiring is trivial). Upon opening Core FTP, place in the Omega hostname, along with your username and password, as shown below.



After connecting, you will see your computer’s files on the left, and the server’s files on the right. Open the display on the left to where you downloaded the files from github, and open the display on the right to the public\_html directory. Then merely drag and drop the files across, as shown below.



After this, by visiting the webpage omega.cs.iit.edu/~yourusername, you should see the index.html page, and have access to the entirety of the site.

**Hosting on Another Server**

If you wish to host the website on another server, it is best to contact that server’s administrator and ask how to go about it. Many of the steps, such as transferring the files via Core FTP, will still be the same. However, it is likely that there will be a different registration process for the account, and a different directory to place the files in.

**Hosting Locally**

Note: As I do not own my own Linux machine, I was not able to verify if these steps are correct.

The reference used: <http://www.aboutlinux.info/2006/02/host-websites-on-your-local-machine.html>

You must have a server set up on which to place the webpage files. These instructions will assume that you have an Apache web server set up on a Linux machine. Apache is free, so if you do not already have it, acquiring it is trivial.

1. Place Files

Once you have an Apache web server set up, you can place all of the .php files in the default directory for serving files, which will usually be */var/www*. (This is equivalent to public\_html on Omega.)

1. Configure Apache

Now that the files are present, Apache must be configured in order for it to recognize the newly placed site. The configuration file needed is in the /*sites-available* directory – here there is a skeleton file named default which will be helpful. Copy this file, and name the copy after the website. Afterwards, the name of the website must be edited into certain parts of the file. The picture below shows which changes have to be made, highlighted in red, with the website name ‘Website A’, which will differ from your site name.



Picture from <http://www.aboutlinux.info/2006/02/host-websites-on-your-local-machine.html>

1. Edit Hosts file

Outside of the */apache2* directory, there is a *hosts* file, which should say something like this:

“127.0.0.1 localhost.localdomain localhost”

Add in a space to the end of the line, and then the website name, and save the file.

4) Restart Apache

Just before restarting, move back into the */apache2* directory and go back to */sites-enabled*. Run the following command:

**ln -s /etc/apache2/sites-available/websitename**

Replacing ‘websitename’ with the name you chose in Step 2.

Afterwards, to restart Apache, run this command:

**apache2ctl restart**

Now, you should be able to see the website by going to <http://websitename>, replacing websitename with the name you chose in Step 2.