Publishing Personal Web Pages

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Chapter 1 : Creating a WWW Directory / Setting Permissions

To create a WWW directory :

All Carnegie Mellon affiliates are provided space on the Andrew File Server (AFS). Your personal web pages are stored in this directory and must be within a directory named "www". When you "publish" your pages, the server copies these files from your www directory to the server. Follow this procedure to create a www directory:
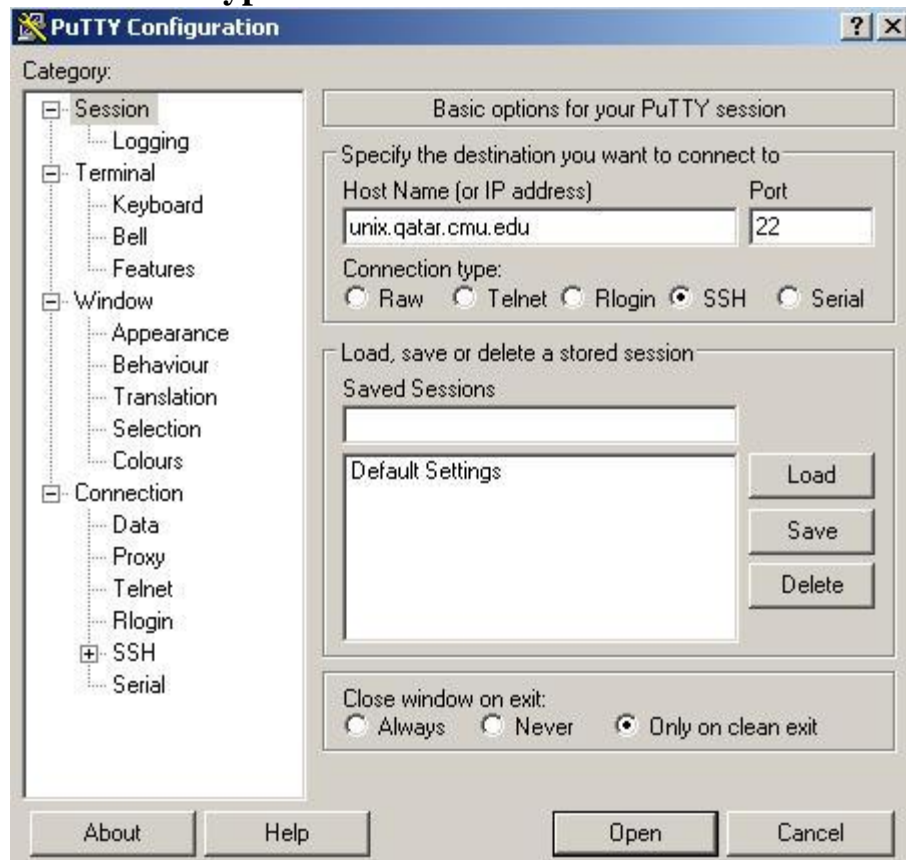
Step 1. Login to your Andrew account.

For Windows and Linux users:

> You will need to use a telnet client such as PuTTY. PuTTY is installed on all managed computers throughout the Campus. Use the following settings to establish your telnet connection:

Host: unix.qatar.cmu.edu

Port: 22

Connection Type: SSH

When you click "Open", a Terminal will open up:
Enter your Credentials :
Userid or User Name: Your Andrew UserID
Password: Your Andrew Password

For Macintosh Users:

Open **Terminal** from *Applications>Utilities*. Type the following to Login into your Andrew account:

> **ssh unix.qatar.cmu.edu -p 22 -l** *username*

After connecting, It will ask you to confirm the server's fingerprint. Answer with "yes".

> The authenticity of host 'unix.qatar.cmu.edu (86.36.46.101)' can't be established.
> RSA key fingerprint is f5:1c:d2:85:87:44:1a:56:cf:8c:50:ab:d8:71:5a:84.
> Are you sure you want to continue connecting (yes/no)? yes
> Warning: Permanently added 'unix.qatar.cmu.edu,86.36.46.101' (RSA) to the list of known hosts.

It will then prompt you for your Password. Enter your password and you will then be logged in.

Step 2. Create the 'www' directory

At the prompt, type the following unix command to create the www directory:

mkdir www

This creates a www directory. This is the directory in which your web pages will be stored before they are published.

If you get the following message :

mkdir: cannot create directory 'www': File exists

Your WWW directory has already been created. You'll also need to complete the following step to set access rights. Access rights gives the server read access to your www directory. Failure to perform this step will cause your pages to be unreadable after they are published.

Step 3. Set Up Access Rights

While still at the top level of your www directory, type the following UNIX command:

fs sa www system:anyuser rl

You can now exit PuTTY(Terminal for Macintosh Users).

Note: Linux users can also use their Terminal to log in like Macintosh.

Chapter 2 : Copying the Web Files to Your WWW Directory

Once you've developed your web pages on your personal computer or some other space, you'll need to copy them to the appropriate www directory.

You will need to use a File Transfer Protocol (FTP) client to copy them to the server. We recommend Filezilla.
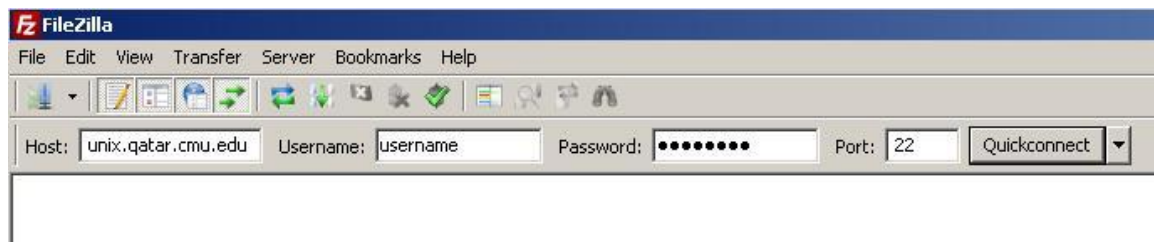
Step 1. Connect to the Server

> Launch your FTP client and use the following settings to copy your files:
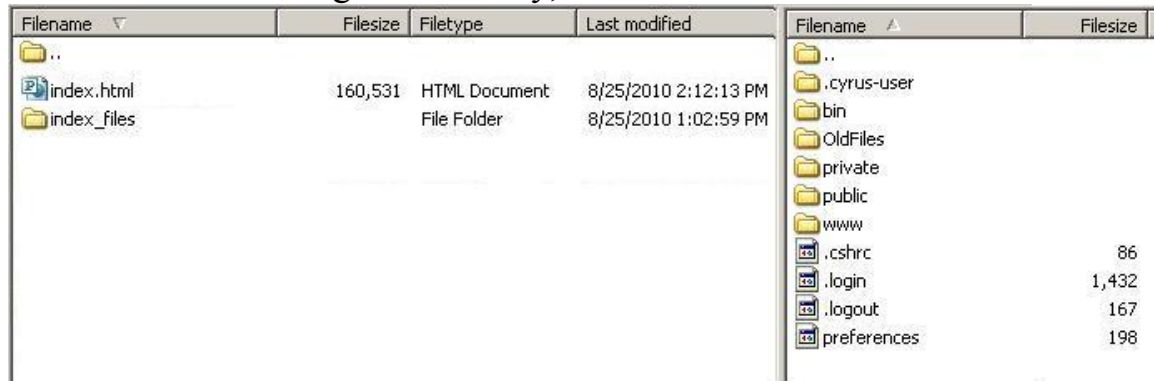>
> **Hostname:** unix.qatar.cmu.edu
> **Userid:** Your Andrew UserID
> **Password:** Your Andrew Password
> **Port:** 22

> After connecting Successfully, Browse into the "www".

Step 2. Copy your Files to the 'www' directory

Just drag the files from the left column(You Working Directory) to the right column(The Server directory). Refer to the documentation for your FTP program (Filezilla) for more information about transferring files.

If you are using an Andrew workstation, you can use the UNIX cp command to copy the files.
For additional help with using this command, enter **"man copy"** in UNIX.

Chapter 3 : Updating your pages

Follow this procedure to update your pages:
1. Make the necessary changes to your files. It's probably best not to make the changes in your WWW directory, but on your local machine or in some other space.
2. FTP (i.e.) copy any files that you have changed to the appropriate www directory.(Exactly like you did in Chapter 2)

Note: If you need to remove a web page or graphic, you **must remove** from the local area (e.g., your personal computer or another space) and **from the server**. If you don't, the web page will continue to be published. Even though you may no longer link to it, browsers will see it if they enter the correct url or if they have previously bookmarked the page.

Chapter 4 : Tips for your Website

1. Use the "html" extension instead of "htm" for better compatibility.
2. Name your homepage as "index.html", so it appears directly when a user browses to qatar.cmu.edu/~username/
3. Almost every (If not all) meaningful pages have a folder associated with it (By the name webpage_files). Don't forget to copy this folder to the server!
4. Do not include images you found on the internet without the proper permissions.