Using SSH (Secure Shell) and FTP (File Transfer Protocol) at the UT iSchool

USING THE ISCHOOL WEB SERVER
You have **150 megabytes** of space on the iSchool web server to which you may upload files via **SSH** or **FTP** using the host **login.ischool.utexas.edu**. You may use this space for general storage, or to host a web site. Web site pages must be stored in a directory **public_html**, which you will need to create. Your web site address is **http://www.ischool.utexas.edu/~youruserid/.**

USING SSH
Secure **SH**ell is a command-line protocol that uses UNIX commands. It provides a way to securely transmit your commands and files to the iSchool server. You need to use SSH to change your password and forward your iSchool email to another account. It can be used for interactive sessions (like login or modifying your website) or to execute commands.

PC users need to download the **SSH Secure Shell** from Bevoware. It is free to UT students. **http://www.utexas.edu/its/bevoware/**

1. Open **SSH Secure Shell Client** and click the "Quick Connect" button.
2. Host name: *login.ischool.utexas.edu*
   User name: *your iSchool user ID*
   Port: *22* (this should be the default)
3. Enter your iSchool password - the cursor box will not move (and "enter" or "return").
4. You are now ready to use SSH.

Mac users have the program and can access it via **Terminal** in the **Utilities** folder.

1. Open **Terminal** and on the command line type:
   ssh youruserid@login.ischool.utexas.edu
   (then "enter" or "return").
2. Enter your iSchool password - the cursor box will not move (and "enter" or "return").
3. You are now ready to use SSH.

Changing your password using SSH
You are required to change your password every six months. You will receive an email warning before it expires and when it has expired. If you login when your password has already expired, you will receive a notice and be forced to create a new password at that time. The following instructions are if you want to create a

new password before the current one has expired.

1. Login
2. Type the command *passwd* (hit *enter*)
3. You will be prompted for your old password once and your new password twice.
4. Exit.

To forward your iSchool email to another account using SSH
To forward your iSchool email to another account, there needs to be a *.forward* file in the home directory of your iSchool Web space.

1. Login
2. Type *nano .forward* to either create this file or open it, if it already exists. (nano is a basic text editor)
3. The .forward file should contain one line, consisting of the email address to which you want to forward your iSchool email.
4. Press *Ctrl+x* to exit nano
5. You will be prompted to save the file - press *y* to say yes
6. When it asks to confirm that *.forward* is the filename you want, hit *enter.*
7. Do *ls -a* again to confirm that the file is there.
8. Exit.

To create a public HTML folder using SSH
If you wish to use your web space to host a publicly accessible website, you will need a "public_html" folder (your index.html and all other public pages and folders belong inside public_html).

1. Login
2. Type the command *mkdir public_html* (hit *enter*)
3. To give anyone permission to view your files, type the command *chmod 755 public_html.* (The default should be set to public permissions, but this is good to know in case any problems arise.)
4. Exit.

Now any file you place in the public_html directory will be available on the web at
http://www.ischool.utexas.edu/~youruserid/filename.xxx

USING FTP
The **F**ile **T**ransfer **P**rotocol is an insecure method of uploading and downloading files from the iSchool server. For some people, it is easier to use than SSH because it has a graphic interface where you can see the folder structure.

PC users should download **SSH Secure Shell** from Bevoware (same as listed above for SSH) and use the **SSH Secure File Transfer Client**. This is a separate icon or

menu option from the SSH Client, and can also be opened by clicking the "folder with blue dots" icon on the top menu of the SSH window. Other programs include PuTTY and FileZilla.

Mac users should download **Fetch** from Bevoware. Other programs include Fugu and Cyberduck.

1. **PC:** Open **SSH Secure File Transfer Client** and click the "Quick Connect" and enter the following:
   Host name: *login.ischool.utexas.edu*
   User name: *your iSchool user ID*
   Port: *22* (this should be the default)
2. Enter your iSchool password.
3. You will see your local files on the left, and remote (server) on the right.

1. **Mac:** open **Fetch** and enter the following:
   Hostname: *login.ischool.utexas.edu*
   Username: *your iSchool user ID*
   Connect using *FTP*
   Password: *your iSchool password*
2. The dog icon will "run" until it makes the connection. You'll see a folder structure – the contents of your web space.
   • "Get" will download selected items from the web space to your computer.
   • "Put" will open a browse window and then place selected items to your web space.

USING ISCHOOL WEBMAIL
1. Go to **https://webmail.utexas.edu/**
2. Server: *ischool.utexas.edu*
3. Username: *your iSchool user ID*
4. Password: *your iSchool password*

USING WEBSPACE
You have one gigabyte (1 GB) of space on the UT WebSpace server, which may be used for web sites or file backup. You may also share specific files or folders with others using WebDAV protocols (Web-based Distributed Authoring and Versioning). See **https://webspace.utexas.edu** for more information.

Your WebSpace is accessible using your **UT EID** and password. Connect to WebSpace using the web-based interface at https://webspace.utexas.edu**.** To host web pages using your WebSpace place the pages in the **www** directory.