Linux: Connect to H: Drive Personal Network Storage

To connect to your local Lehigh windows shares (H Drive) from Linux follow these steps. You'll be mounting the windows share as a disk using the mount command.

Step-by-step guide

You'll need to be root to mount the shared spaces. The examples below show the use of sudo.

1) Map your H: drive (home directory)

Replace "abc218" with your actual username in the example below to mount your H: drive (home directory).

```bash
$ mkdir /mnt/H
$ sudo mount -t cifs -o username=abc218,vers=2.0 //homefs.cc.lehigh.edu/home/username /mnt/H
```

2) For Faculty/Staff, the common space can be mounted with the following commands.

In this example, replace "abc218" with your actual username, and the "dept" with your actual common department space (e.g. a-s/chemistry if you are in the chemistry department).

```bash
$ mkdir /mnt/common
$ sudo mount -t cifs -o username=abc218,vers=2.0 //common.cc.lehigh.edu/common/dept /mnt/common
```

- For recent releases of Linux (kernel > 4.11), you may not need to specify a SMB version (vers=2.0) in the options as shown above.
- It will prompt you for your password on the mount command.
- Your Linux distro may need to install keyutils, cifs-utils, smbclient