

Instructions for mounting your SAN home folder.

**Notes:**

- Home folders are located at three different share points;
  - a. Students : students\$
  - b. Faculty: faculty\$
  - c. Staff: staff\$
- The server runs a process that enables Access Based Enumeration (ACE) which in short means that if you don't have read access to a folder you will never see it.
- The folders in all CAPS are actually links that must not be deleted.
- The SCRATCH folder is a place for you to put large files that do not need to be backed up.
- The LINKS folder is a placeholder for links to other folders.
  - a. The PUBLIC folder is a place for department wide documents.
  - b. PROJECTS is a place for groups of students/faculty to share documents, data, etc.
  - c. SCANNERJOBS is where you can scan documents that go straight from the copier in 106 to a pdf file. This eliminates the need for every user who wants to scan to need an account on the scanner.
  - d. Faculty and staff may have a LINK named BACKUPS if they do their own backups.
- The SAN is for storing important files related to your teaching and research. Data files, intermediate files, temporary files, pictures, video, tax returns are examples of what you should not store. If you have some large data files or temporary files you may place them in your SCRATCH space.

**Windows**

1. Open Windows Explorer (My Computer works also).
2. Select with the left mouse button Tools->Map Network Drive
3. Change the drive letter to P: (for uniformity across the department)
4. Using the appropriate share point from enter the following in the Folder entry box:  
[\\kemp\SHARE\NET-ID](http://kemp\SHARE\NET-ID) (off campus users may have to use  
[\\kemp.stat.iastate.edu\SHARE\NET-ID](http://kemp.stat.iastate.edu\SHARE\NET-ID))
5. If you want to see this drive letter be mounted the next time you log in then select the "Reconnect at Login" check box.
6. If you are authenticated using the ISU Active Directory you can just "left click" on Finish, if not then read on.
  - a. Left-click on "different user name".
  - b. Enter IASTATE\NET-ID in the user name field
  - c. Enter your password in the password field
  - d. Select OK
7. Now select Finish.

**Macintosh**

1. Open the Finder.
2. Press the key combination AppleKey + K.
3. In the address window enter smb://kemp.stat.iastate.edu/SHARE/NET-ID.
4. Select the + symbol to add this to one of your selected servers.
5. Press Enter to map the share.

**Linux** (works on Linux 4,5 & 6)

1. Create a folder in the /Users folder named for you (use your *NET-ID*)
2. Make it accessible only to you: `chmod 700 NET-ID`
3. **NOTE: The last step is important because the default creation mask for directories allows other users read access. If you do not perform the above command your SAN space may be accessible to others users!!!**
4. Change to the folder created on step #1
5. Create a directory that will act as a mount point for your SAN folder (we'll call it `san.mnt`).
6. **NOTE: It is important that you use the recommended name of `san.mnt`. If you do not then it is possible that another grad student could access your SAN space using the users SMB share on the workstation!!!**
7. Type the following: `/usr/bin/smbmount //kemp.stat.iastate.edu/SHARE san.mnt -o username=NET-ID`
8. Enter your isu password
9. After several seconds your SAN space should be mounted and all is well.
10. Lastly, to dismount your share do this: `smbumount san.mnt`.