EES departmental users with an EES account can take advantage of storing important data in their department home directory to have it backed up, and also remotely access their folder from an office machine or laptop connected to the NMT network.

**Overview**

The user home directories shared through Samba from eessamba.nmt.edu are backed up to tape at 12:00 AM, Tuesday through Saturday. The data is retained for 30 days and any weekday versions can be recovered from that time period. In the student labs in MSEC239 and MSEC345, these home directories are automatically available when a user logs in to use these workstations. Similarly, these home directories can be made available on an individual's workstation within the department.

Note that due to storage limitations on the EES file server and backup system, you can not expect to backup your whole workstation. You are limited to your EES disk quota. Currently the home directory file system holds about 942 GB and there are approximately 200 users which amounts to about 4.7GB per user, although many users have much less and some much more. The intention is that you use your space for important documents. For large data sets, other arrangements will need to be made. Your quota can be adjusted to a reasonable value to accommodate your needs within these constraints.

**Connecting and accessing your home directory**

Depending on the user's operating system, different methods are available to connect to your EES home directory on the EES system using the Samba shares.
Windows

For users of Microsoft Windows, access to your network shared home directory can be achieved by selecting the run command from the main menu and typing in

\eessamba.nmt.eduusername

Where your actual EES account login name is to be substituted for username. You will be prompted for your EES system password. This will open a Windows Explorer window that shows the contents of your EES account. Alternatively, you can choose My Computer and then Tools -> Map network drive. Pick a drive letter and fill in \eessamba.nmt.edu username as above. If you use a different login name on your local computer, you'll also need to click on the Connect using a different user name link in that same dialog. If you check the Reconnect at logon, your network drive will automatically be available when you log in.

Mac

Mac access to your Samba network shared home directory can be achieved by

1.
Click on the Finder icon

2.

At the top of the screen you will see Go in the menu bar. Click on it and go to Connect to Server

3.

A new window will appear. In the box labeled Server Address: enter

smb://eessamba.nmt.edu/username

username should be replaced with your EES account name

4. Click Connect
5. You may be asked for your password, if so enter it and press OK.
6. You are now ready to start backing up files.

Linux

Linux can use Samba utilities to connect to your EES network home directory.

1.

smbmount: Create a directory anywhere under your home directory for the file system mount, e.g.

mkdir ~/mnt

Then use the smbmount command to mount your EES network drive to that directory.

smbmount //eessamba.nmt.edu/username ~/mnt
Where is your EES login name. You will be prompted to enter your EES password. If this is successful, you will see the contents of your EES home directory in ~/mnt. You can use any name instead of mnt.

2.

smbclient: This works like a ftp client. This is handy to get or put a few files from your EES home directory. See the man page for smbclient. Basic usage is

smbclient //eessamba.nmt.edu/username

Where your actual EES account login name is to be substituted for username. You will be prompted for your EES system password. The result will be the smbclient prompt and you can type a ? or help at the prompt to see a list of commands. Type help to get specific help for a listed command.

You may need to install these utilities to your Linux system. Consult your particular distribution, but typically these are in packages like samba-client (RedHat), Debian, and Ubuntu).

3. Some distributions also have GUI tool typically called Connect to Server to make connections using samba. Enter

smb://eessamba.nmt.edu/username.