**Connection to UNIL servers on Ubuntu machines**

To establish connections to both nas and nasdcsr network shares and maintain these connections for users on an Ubuntu system, you can follow these steps.

**Prerequisites**

* **Ensure Samba is Installed:** Make sure you have Samba (cifs-utils) installed. Install it using *sudo apt-get install cifs-utils* if it's not already installed.

**Steps**

* **Create Global Mount Points:**

Choose or create directories for the global mount points, e.g., nas and nasdcsr.

Open the terminal at the home directory and run s*udo mkdir nas* and *sudo mkdir nasdcsr* to create these directories.

* **Set Up Credentials Files:**

It's best to use separate credentials files for each share if they require different login credentials. Create credentials files like /home/**YOUR\_USERNAME**/nas.creds and /home/**YOUR\_USERNAME**/nasdcsr.creds with content similar to:

username=**USERNAME**

password=**PASSWORD**

domain=ad

Replace USERNAME and PASSWORD with the appropriate values.

Secure these files with *sudo chmod 600 home/****YOUR\_USERNAME****/nas.creds /home/****YOUR\_USERNAME****/nasdcsr.creds*.

* **Find your own User ID:**

Open a terminal and run id -u **YOUR\_USERNAME** to find your numeric user ID.

* **Update /etc/fstab:**

Open /etc/fstab with *sudo nano /etc/fstab* and add lines for each share:

*//nas.unil.ch/FBM/DBMV /home/****YOUR\_USERNAME****/nas cifs credentials=home/****YOUR\_USERNAME****/nas.creds,mfsymlinks,rw,iocharset=utf8,dir\_mode=0700,file\_mode=0700,uid=****YOUR\_NUMERIC\_USER\_ID****,\_netdev 0 0*

*//nasdcsr.unil.ch/RECHERCHE /home/****YOUR\_USERNAME****/nasdcsr cifs credentials=/home/****YOUR\_USERNAME****/nasdcsr.creds,mfsymlinks,rw,iocharset=utf8,dir\_mode=0700,file\_mode=0700,\_netdev 0 0*

* **Testing the Setup:**

Test the setup with *sudo mount -a*. This should mount both shares.

If no error comes up, it should be all working. At the next reboot, you will have server connection automatically.