

## Connection to UNIL servers on Ubuntu machines

To establish connections to both nas and nasdcscr 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 nasdcscr.  
Open the terminal at the home directory and run *sudo mkdir nas* and *sudo mkdir nasdcscr* 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**/nasdcscr.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**/nasdcscr.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,ioccharset=utf8,dir_mode  
=0700,file_mode=0700,uid=YOUR_NUMERIC_USER_ID,_netdev 0 0
```

```
//nasdcscr.unil.ch/RECHERCHE /home/YOUR_USERNAME/nasdcscr cifs  
credentials=/home/YOUR_USERNAME/nasdcscr.creds,mfsymlinks,rw,ioccharset=utf8,dir_m  
ode=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.