

# Map Network Drive in Ubuntu

Guide to mounting a network drive on Ubuntu From Windows Server:

Install CIFS:

```
sudo apt update  
sudo apt install cifs-utils
```

```
sudo mkdir /mnt/localcloud
```

```
sudo nano /etc/smbcredentials
```

Put this in the file you create

```
username=windows_username  
password=windows_password
```

Secure the Permissions

```
sudo chmod 600 /etc/smbcredentials
```

Change the `/etc/fstab` file and add the network location to the bottom of it:

```
sudo nano /etc/fstab
```

Add the following line to the file:

```
//192.168.1.121/localcloud /mnt/localcloud cifs credentials=/etc/smbcredentials,uid=1000,gid=1000,vers=3.0 0  
0
```

Make the Directory:

```
sudo mkdir /mnt/localcloud
```

Mount the drive:

```
sudo mount -a
```

Your uid=1000 and gid=1000 with the user ID and group ID of the user you want to own the # files after mounting (use id -u zippyb to find your UID, and id -g zippyb to find #your GID.

```
sudo id -u zippyb
```

```
sudo id -g zippyb
```

check to see if the network drive is mounted:

```
ls -la /mnt/localcloud
```

Output:

```
zippyb@pivpn:~ $ ls -la /mnt/localcloud/
total 392
drwxr-xr-x 2 zippyb zippyb  8192 Jun  6 10:33 .
drwxr-xr-x 3 root   root    4096 Jun  7 20:40 ..
drwxr-xr-x 2 zippyb zippyb    0 May 16 15:15 Art
drwxr-xr-x 2 zippyb zippyb    0 Jun  6 14:24 BookStack_Backups
-rwxr-xr-x 1 zippyb zippyb  6148 Mar 14 21:01 .DS_Store
drwxr-xr-x 2 zippyb zippyb    0 May 12 13:59 installers
drwxr-xr-x 2 zippyb zippyb    0 Feb  4 20:18 ISOs
drwxr-xr-x 2 zippyb zippyb    0 Jun  6 10:33 Nate
-rwxr-xr-x 1 zippyb zippyb 110532 Jun  1 16:08 'Net Boot Server Install.pd'
```

Optional:

Manually Mount the Drive:

```
sudo mount -t cifs -o credentials=/etc/smbcredentials,uid=1000,gid=1000,vers=3.0 //192.168.1.121/localcloud
/mnt/localcloud
```

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