

# Mount macOS & Windows shares on Debian

Mount macOS & Windows shares on Debian e.g. in case you need to save backups on a network share.

## Step-by-Step Guide for Debian

### Mounting Windows Shares

1. Install CIFS Utilities: Open a terminal and install the CIFS utilities package if it's not already installed.

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

2. Mount the Windows Share: Use the `mount` command to mount the Windows share. Replace the placeholders with your actual values.

```
sudo mount -t cifs -o username=yourusername,password=yourpassword //yourIPAddress/yoursharedfolder
/yourfoldertomount
```

### Mounting macOS Shares

1. Install CIFS Utilities: Ensure the CIFS utilities package is installed (this step is the same as above).

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

2. Mount the macOS Share: Use the `mount` command to mount the macOS share. Replace the placeholders with your actual values.

```
sudo mount -t cifs //yourIPAddress/yoursharedfolder /yourfoldertomount -o
username=yourusername,password=yourpassword,nounix,sec=ntlmssp
```

### Creating and Sharing a Folder

1. Create a Folder: Create the folder where you want to mount the share.

```
sudo mkdir /yourfoldertomount
```

2. Replace the Placeholder: Replace `yourfoldertomount` with the actual path of the folder you created in the mount commands above.

## Example

If you want to mount a Windows share with IP `192.168.1.100` and shared folder name `backup` to a local directory `/mnt/backup`:

1. Create Local Directory:

```
sudo mkdir /mnt/backup
```

2. Mount the Share:

```
sudo mount -t cifs -o username=myuser,password=mypassword //192.168.1.100/backup /mnt/backup
```

Similarly, for a macOS share:

1. Create Local Directory:

```
sudo mkdir /mnt/backup
```

2. Mount the Share:

```
sudo mount -t cifs //192.168.1.100/backup /mnt/backup -o
username=myuser,password=mypassword,nounix,sec=ntlmssp
```

## Additional Tips

- FSTAB Entry for Persistent Mounts: To make the mount persistent across reboots, add an entry to `/etc/fstab`:

```
//yourIPAddress/yoursharedfolder /yourfoldertomount cifs
username=yourusername,password=yourpassword,nounix,sec=ntlmssp 0 0
```

- Security Note: Storing passwords in plain text can be a security risk. Consider using a credentials file:

```
//yourIPAddress/yoursharedfolder /yourfoldertomount cifs credentials=/etc/cifs-
credentials,nounix,sec=ntlmssp 0 0
```

And create `/etc/cifs-credentials` with the following content:

```
username=yourusername  
password=yourpassword
```


Ensure the credentials file has appropriate permissions:

```
sudo chmod 600 /etc/cifs-credentials
```

## CentOS Details

If you are on CentOS and are migrating off of it and need to do it here is the old documentation on this same process:

1. For Linux to Windows:
  1. `mount -t cifs -o username=yourusername,password=yourpassword //yourIPAdress/yoursharedfolder /yourfoldertomount`
2. For Linux to macOS
  1. `sudo yum install cifs-utils`
  2. `mount -t cifs //yourIPAdress/yoursharedfolder /yourfoldertomount -o username=yourusername,password=yourpassword,nounix,sec=ntlmssp`

 Create a folder and share it then replace this value "yourfoldertomount" with the right shared folder name.

## Related Content

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