



Connect CIFS network drive under MacOS

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Introduction

This guide walks you through two methods to automatically mount network shares on your Mac during startup. Whether you're comfortable with macOS Finder or prefer using the Script Editor, follow these detailed instructions to streamline the process.

Method 1: Mount Network Shares through Finder Settings

1. Open the 'Connect to Server' Window:
In Finder, press Command (⌘) + K to open the 'Connect to Server' window.
2. Enter Server Details:
In the field provided, enter the server address and protocol.
 - a. For the Homedrive:
smb://homedrive1.uni-stuttgart.de/home\$/acxxxxxx
replace acxxxxxx with your accountname.
 - b. For the Organization Drive (SFO):
Ask your organization's administrator for the network path of the SFO. The path is structured as follows:
smb://org-cifs.tik.uni-stuttgart.de/shared
replace org with the abbreviation of your organization.
3. Klick on *Connect*
4. Enter Credentials
 - a. For the Homedrive:
acxxxxxx@u.ad.uni-stuttgart.de
replace acxxxxxx with your accountname.
 - b. For the Organization Drive (SFO):
acxxxxxx@uni-stuttgart.de
replace acxxxxxx with your accountname.
 - c. The Password is in both cases the Password of your AC-Account
 - d. Check *Remember this password in my keychain* to avoid re-entering it every time.
 - e. Klick on *Connect*
5. Display Mounted Shares on the Desktop:
In Finder, go to *Finder > Settings* (or Preferences). Under the *General* tab, check the box next to *Connected servers* to show the network shares on your desktop.



6. Set Shares to Open at Login:
Open System Settings by clicking the *Apple icon* at the top left of your screen and selecting *System Settings*. In the search bar, type *Login Items*, then click on *Login Items & Extensions*. Drag your network share icons from the desktop into the *Open at Login* section in *Login Items & Extensions*.
7. Test the Setup:
Restart your Mac to check if the network shares automatically mount and appear on your desktop.

Method 2: Mount Network Shares Using a Custom Script

1. Open Script Editor:
Open Script Editor by searching for it in Spotlight (press Command (⌘) + Space, type *Script Editor*, then press Enter).
 - a. Create the Script:
Copy and paste the following code into Script Editor, updating the server address with your specific information:

```
tell application "Finder"
  try
    mount volume "smb://homedrive1.uni-stuttgart.de/home$/acxxxxxx"
    mount volume "smb://org-cifs.tik.uni-stuttgart.de/shared"
  end try
end tell
```

Note: To find your exact network share address, click on a mounted network share icon on the desktop, press Command (⌘) + I (Get Info), and copy the value next to *Server*:. For additional shares, add a new line beginning with 'mount volume'. To mount only one share, delete any extra 'mount volume' lines.
2. Export the Script as an Application:
In Script Editor, go to *File > Export*. Under *Where*, select *Applications*. Set *File Format* to *Application*. In the *Export As* field, type a name for your application, such as "mountShares." Click *Save*.
3. Set the Application to Open at Login:
Open System Settings by clicking the *Apple icon* at the top left of your screen and selecting *System Settings*. In the search bar, type *Login Items*, then click on *Login Items & Extensions*. Drag your new application from the *Applications* folder into the *Open at Login* section. Remove any individual shares added in Method 1 to avoid redundancy.
4. Test the Setup:
Restart your Mac to check if the script runs and mounts your network shares automatically.

Important Note: On the first run, you may be prompted to allow permissions for the script. This prompt only appears once.



References

These methods were adapted from the YouTube tutorial "How to Mount Network Shares Automatically on Startup in macOS" (https://www.youtube.com/watch?v=ymK0c_m8PvA&t).