

How to access NMR data

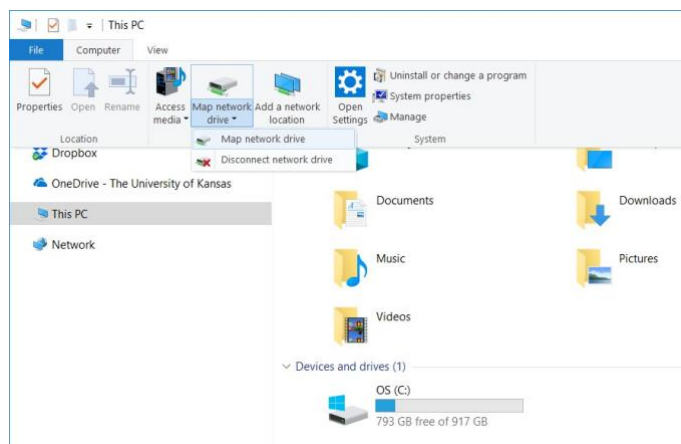
Justin Douglas (justindouglas@ku.edu) – KU NMR core lab v2.2 1/13/22

Background

A copy of all NMR and EPR data (updated every night at 4 AM) resides on the REsearch File Server or RESFS. This server should be available to all trained users of the lab by following the instructions below. Please note that the access rules are different depending on whether you use a KU-owned computer and log in with your KU credentials OR if you use your own private computer.

Instructions for Windows

1. Open the File Explorer. Choose “This PC” on the left, “Computer” on the top and “Map Network Drive”.



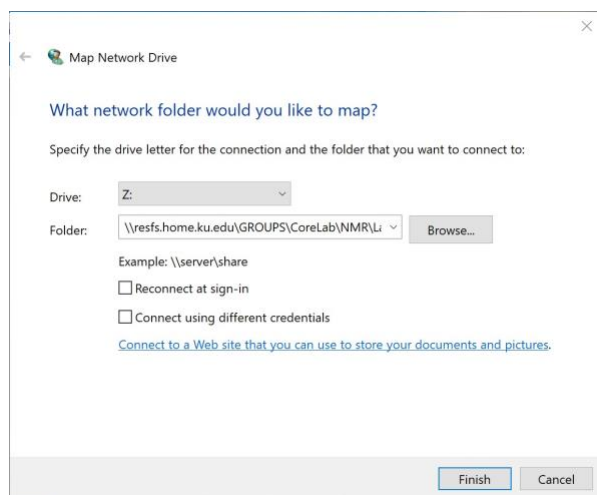
2. Choose any available drive letter. In the Folder line, enter the following:
`\\resfs.home.ku.edu\GROUPS\CoreLab\NMR\Lab_data\NMR\actualdata`

I personally recommend that you leave the “Reconnect at sign-in” box unchecked to speed up the booting process, but the choice is yours.

There are two options depending on whether you use a KU-owned computer and log in with your KU credentials OR if you use your own private computer.

- A)** If you use a KU-owned computer and log in with your KU credentials

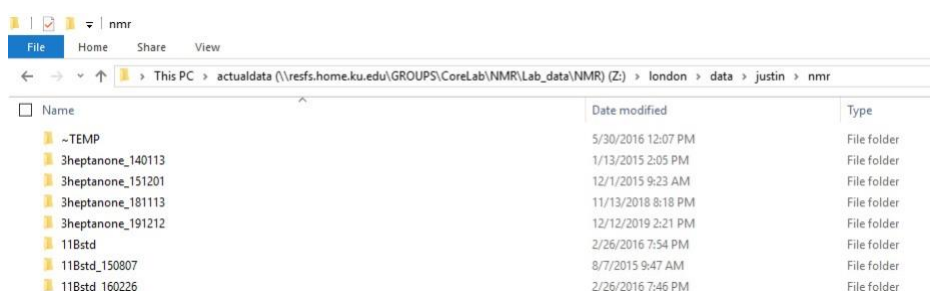
Do **not** check the “Connect using different credentials” box. See the Figure below. Click the finish button. A new window should open with a folder for each instrument. No password should be required!



B) If you use your own private computer

Check the “Connect using different credentials” box. Then click finish. In the subsequent window enter the username, “home\<your KU ID>” and enter your KU password. Click OK.

3. Navigate to your data folder in the appropriate instrument. For example, if you want data for the user “justin” on London, you will have to double click on the folders for london, then data, then justin and then nmr. See figure below. The files on the network drive are “read only”, so you should copy data to your computer to work up using appropriate software (e.g. MestreNova).



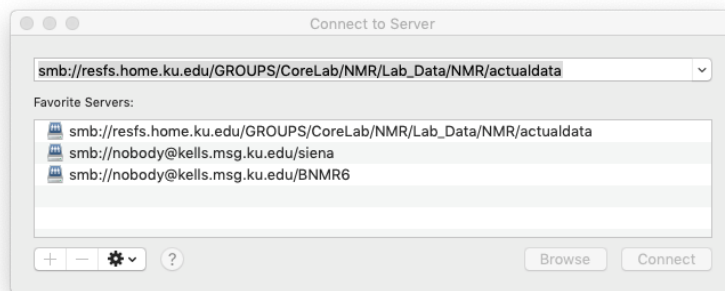
Instructions for Mac

1. Open Finder. Select “Go” at top and “Connect to Server” option.



2. On the top line enter the following:
`smb://resfs.home.ku.edu/GROUPS/CoreLab/NMR/Lab_Data/NMR/actualdata`

You can click the “+” button on left to add this workstation to you list of favorite servers. Click the “Connect” button.



There are two options depending on whether you use a KU-owned computer and log in with your KU credentials OR if you use your own private computer.

A) If you use a KU-owned computer and log in with your KU credentials, no password should be required. A new finder window will open.

B) If you use your own private computer

In the subsequent window enter the username, “home\<>your KU ID>” and enter your KU password. Click Connect. A new finder window will open.

3. Navigate to your data folder in the appropriate instrument. The files on the network drive are “read only”, so you should copy data to your computer to work up using appropriate software (e.g. MestreNova).

Troubleshooting

1. **Make sure that you are connected to the Jayhawk wireless network using your KUID.**

If you are not connected to the Jayhawk wireless network, you will NOT be able to access NMR data.

2. **If prompted, make sure you use the username “home*<*your KU ID*>*” and the correct password.**

Upon moving to ISB, the KU NMR lab computer network was moved into a credential-based system. If you do not enter the proper credentials, you will never get access!

3. **The Hail-Mary Pass**

If you are convinced you are on Jayhawk and convinced you used the correct credentials, but you still cannot connect, there are a few tricks that we have found that may help.

- Disconnect any old servers (*e.g.* kells.msg.ku.edu/siena) and remove from your list of favorites.
- Try to connect using the KUAnywhere VPN

4. **If you still do not have access:**

Make note of any error messages received and forward that information with your request for assistance to justindouglas@ku.edu and mochs@ku.edu with the following information:

- Your KUID
- The time at which you are unable to connect
- The name of server to which you are trying to connect
- Your IP address
- The hardware address (aka MAC address) for your computer.

If you need assistance with finding your IP and hardware address, please Google “how to find my IP address” or “how to find my MAC address”. There are a number of online guides that will walk you through the process. Use some common sense and don't give your credit card or social security number away! Pick a legitimate source. I like these one from the University of Iowa:

<https://its.uiowa.edu/support/article/507> <https://its.uiowa.edu/support/article/1618>

If you have any doubts about it, just skip steps #4 and #5.

Finally, if you cannot access the server, please contact Sarah Neuenswander (saneuen@ku.edu) and she will email a copy of your data to you. The NMR lab reserves the right to charge a fee to your PI for staff time to download, copy and email data. Also, please note the ResFS server is NOT a real time copy of the NMR data on each workstation. If you need data at 4:05 PM that you recorded at 4 PM, you will not find it on ResFS until the next day! Unfortunately, there is no work-around for this issue. The instruments with autosamplers (*e.g.* London, Siena and BigSur) will continue to email zipped data files.

