

Installing TopSpin 4

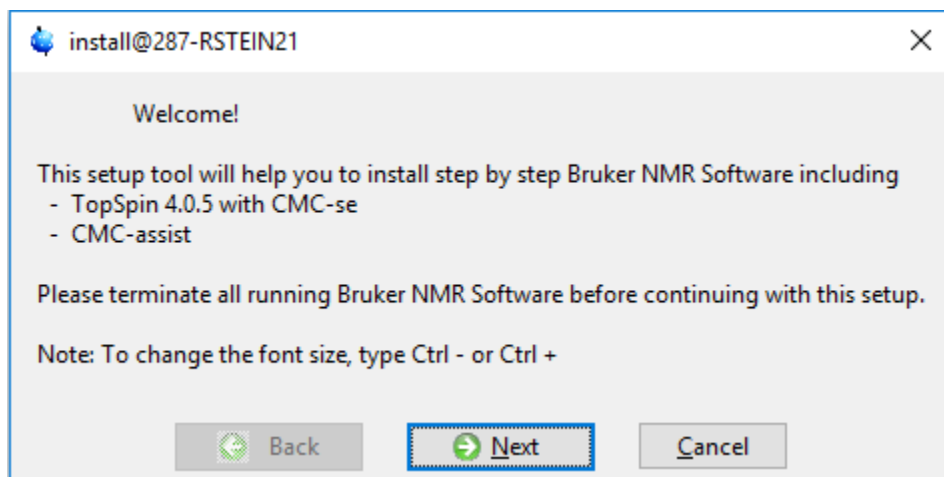
Note: the screenshots in this guide are from the Windows installation. The Mac installation should be similar, but you must follow the prompts carefully.

Start

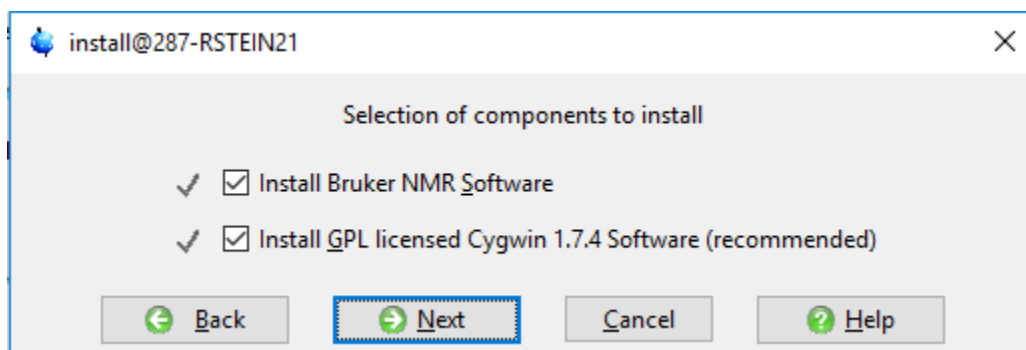
1. Make an account with Bruker at <https://www.bruker.com/about-us/register.html>.
2. Download TopSpin 4 from <https://www.bruker.com/service/support-upgrades/software-downloads/nmr.html>. (Note: if you have a 32-bit Windows computer, download TopSpin 3 from <https://www.bruker.com/service/support-upgrades/software-downloads/nmr.html> and follow the instructions below, except for the license instructions; no additional license is needed to run the academic version of TopSpin 3 until March 2019.)
3. Double-click on the downloaded file to begin the installation. You may get an error message about unrecognized app installation – if so, just click on “More info...” and “Run anyway”

Installation

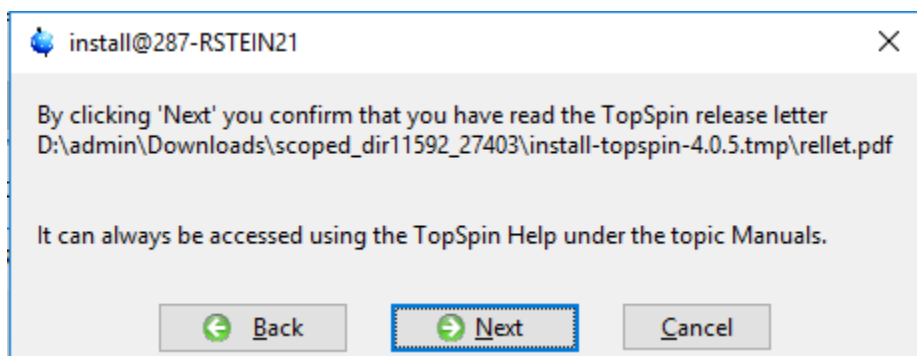
1. Click Next:



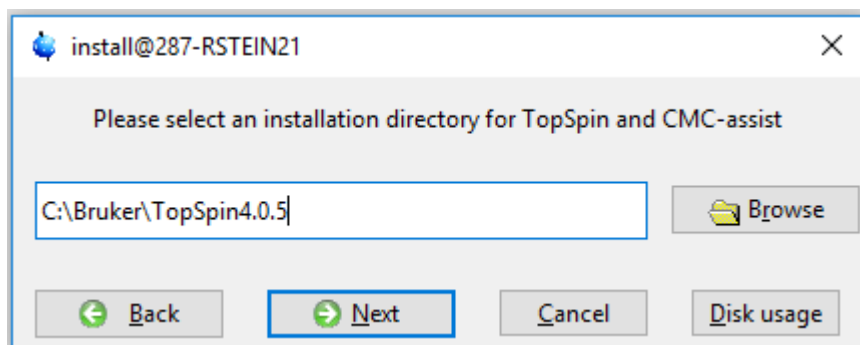
2. Click Next:



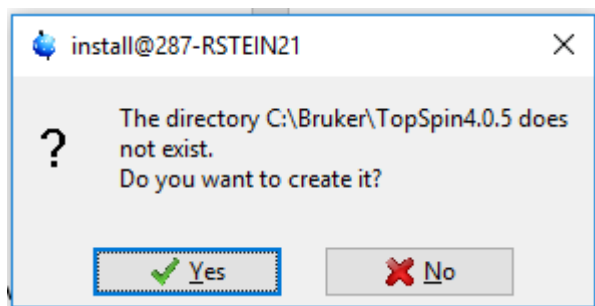
3. The release letter should pop up (occasionally this happens in the background) – you can either read it, then click Next; close it, then click Next; or leave it open and click Next.



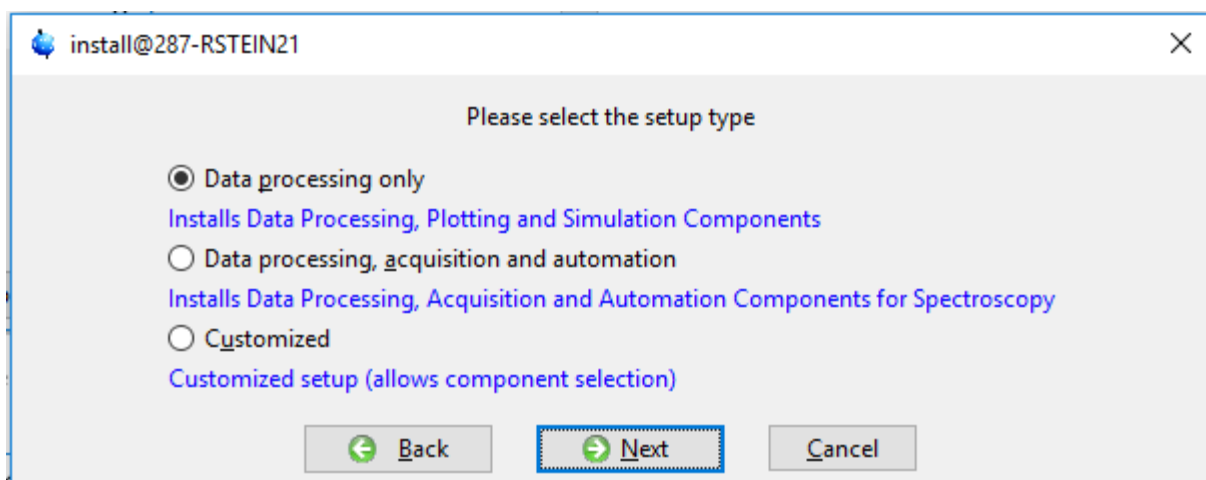
4. Accept the default installation directory



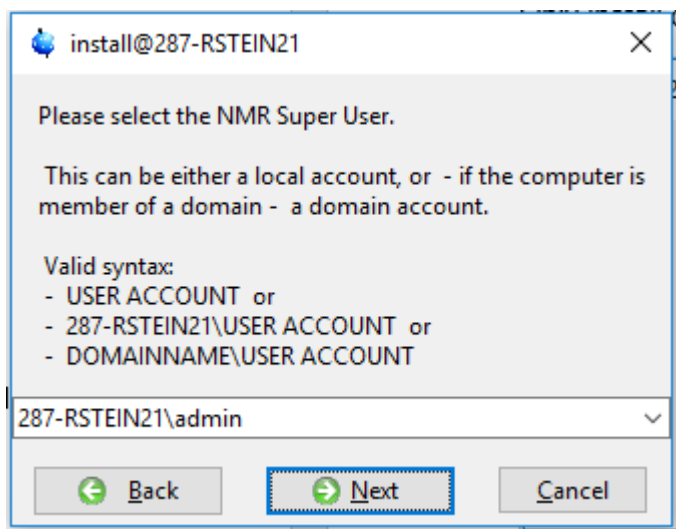
5. Create this directory if prompted



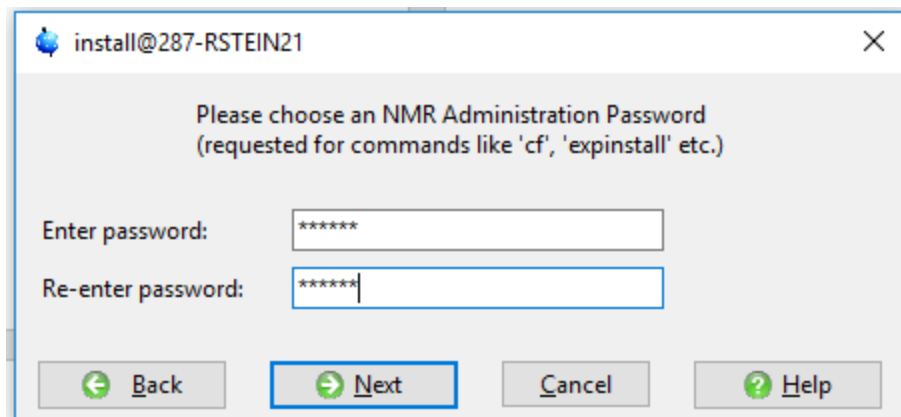
6. Only install data processing components



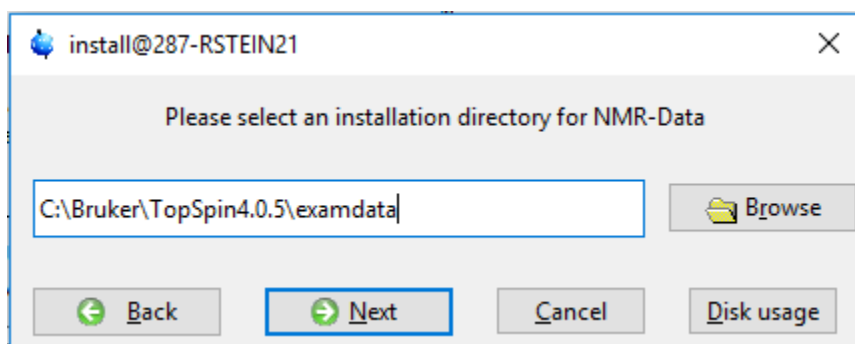
7. Accept the superuser suggested



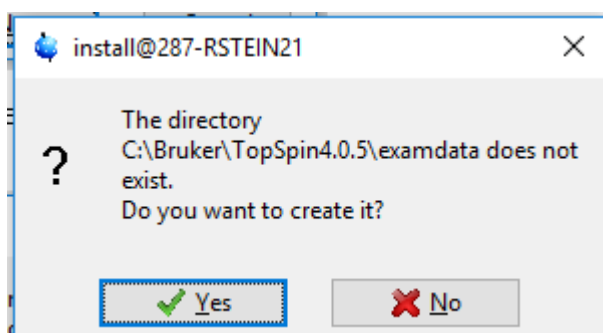
8. Enter any password you like – it will only be needed very occasionally, though. I suggest choosing **mcgill** .



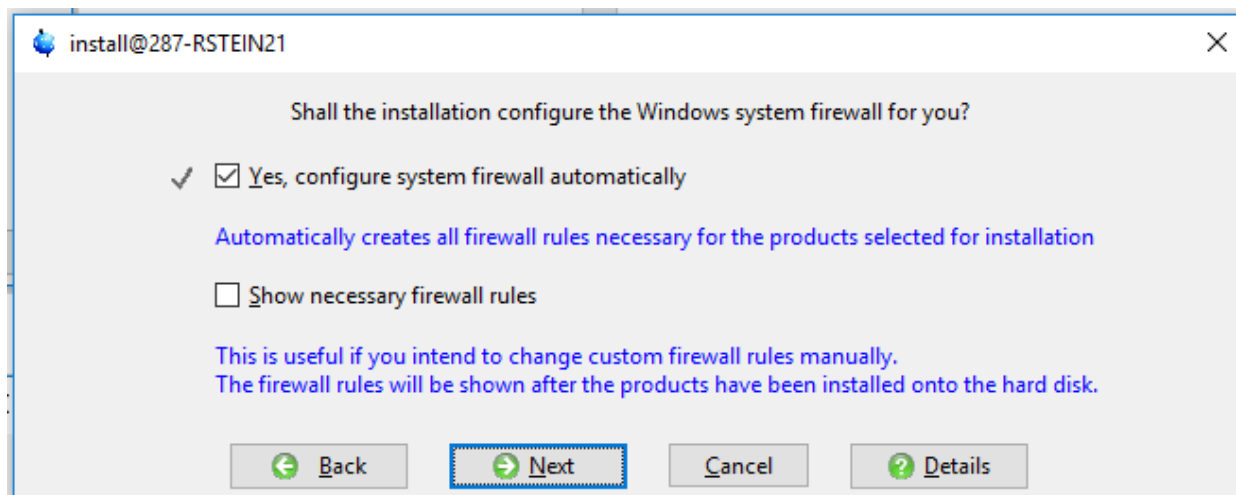
9. Accept the default directory for example data



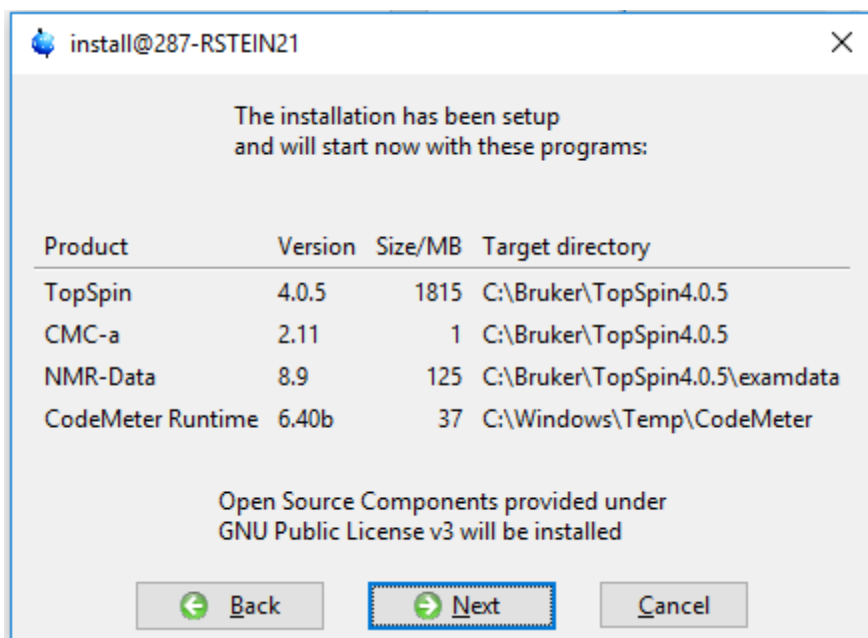
10. Create it if necessary



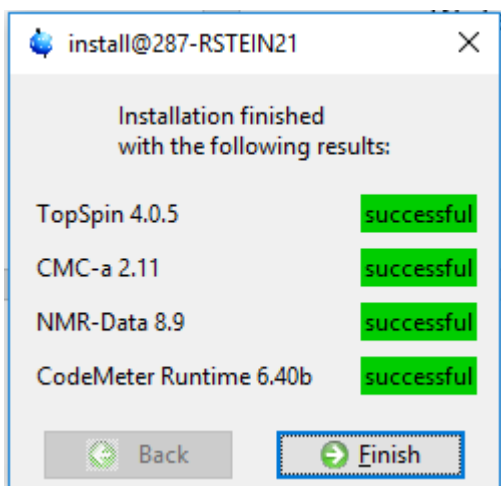
11. Allow Windows to configure the firewall



12. Continue



13. Wait up to half an hour for installation to complete



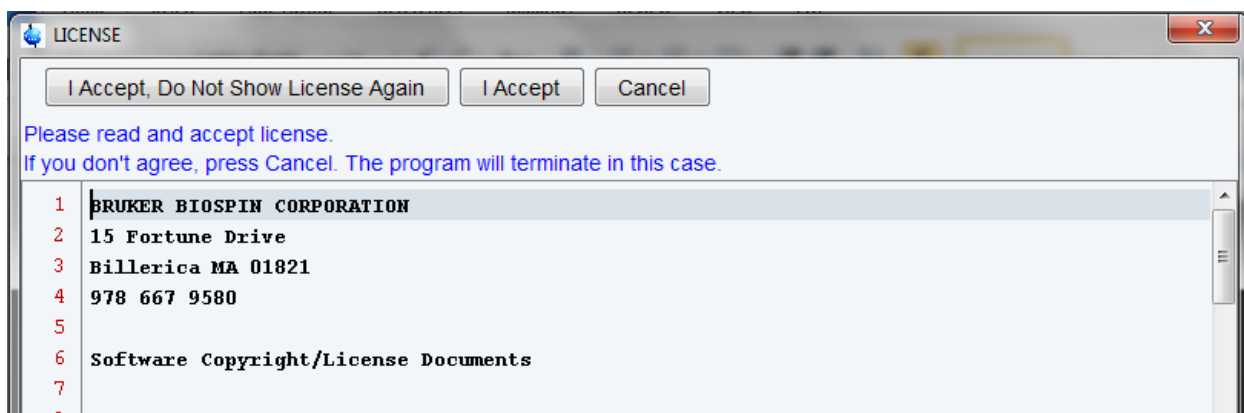
Getting a TopSpin license

1. Start TopSpin, for example from the Start Menu under Bruker NMR Software. This can take a while. Will first see

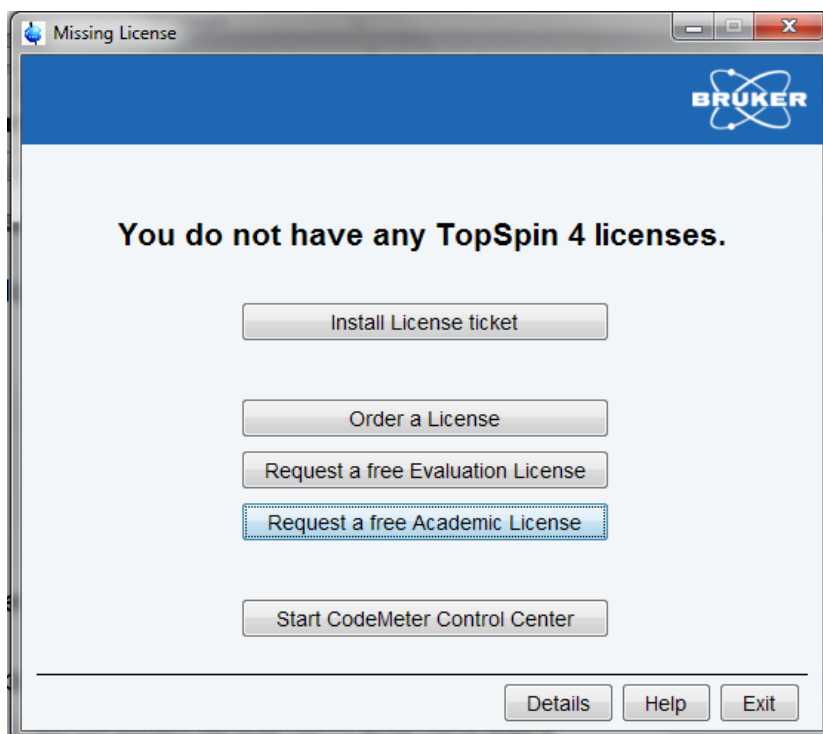
```
TopSpin 4.0.5
TopSpin 4.0.5 - Copyright (C) 2018 Bruker BioSpin GmbH
Installation directory: "C:/Bruker/TopSpin4.0.5"
Waiting for CodeMeter license
2018-08-28 15:19:42.862 -0400
Cannot checkout TopSpin CodeMeter license
No matching license entry found for feature "TOPSPIN4" mapped to product code 1011014000
CmContainer Entry not found, Error 200.

CodeMeter Runtime Version: 6.40.2405
empty CodeMeter Server Search List Configuration
```

2. Choose I Accept, Do Not Show License Again:

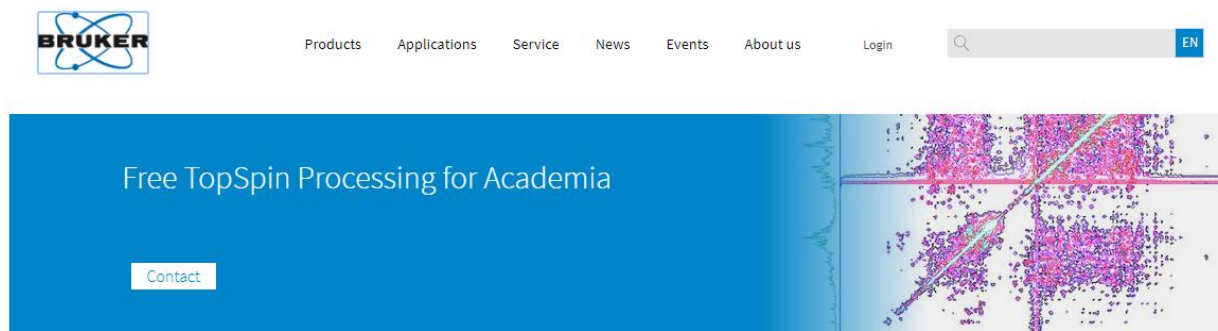


3. Choose Request a free Academic License. (Do not choose Order a License!)



- This will open the website <https://www.bruker.com/service/support-upgrades/software-downloads/nmr/free-topspin-processing/nmr-topspin-license-for-academia.html>.

At this point, you must log in to the website using the link (“Login”) in the upper right corner. Use the same link to create an account, if you do not have one already.



Either log in or click on Register for an account, as appropriate, and once you've registered, come back and log in.

- Once logged in, choose “Request personal license ticket now”

When the code is displayed, highlight it and copy it to the clipboard. An example is shown here:

NMR Topspin License Processing for Academia

In order to provide students, researchers and teachers with unlimited access to the best tools for off-line NMR processing, Bruker is making their market leading NMR processing software TopSpin available free of charge for all academic users. In addition to Bruker NMR data, the software is able to process data acquired on Agilent, Varian and Jeol systems, as well as read any data provided in JCAMP format. We are happy to offer you a free Academia license for TopSpin 4 (“Academia license”).

Free License For Academia

With the following code you can activate your free academia license:

6S56A-PTHVG-WKN44-2HM8T-M49RF

Just write it down (or copy it to the clipboard), start TopSpin, choose the option “Activate this installation now” and follow the instructions. If you have not installed TopSpin already you can download it [here](#).

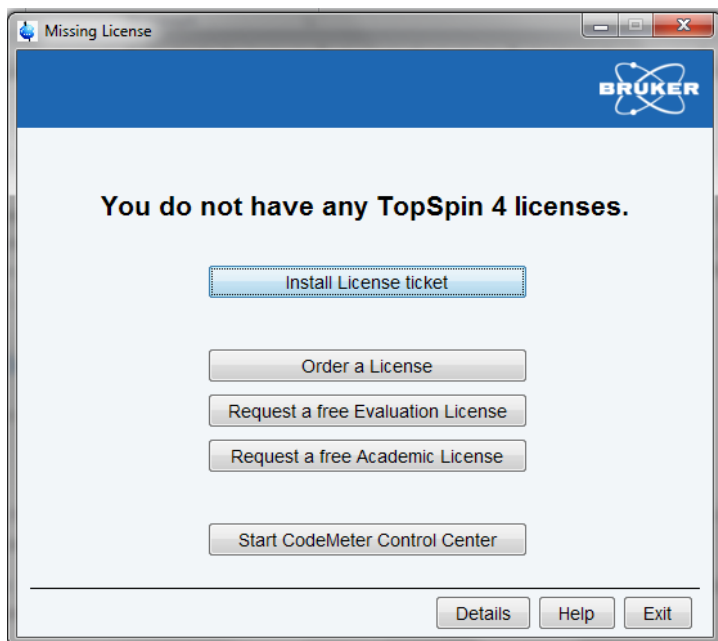
Your license is valid for 15 years. You can use it on a compatible computer of your choice and you can move it to another system if needed. See the section “Rehosting of license” in the license management manual for details.

[Download for Windows](#)

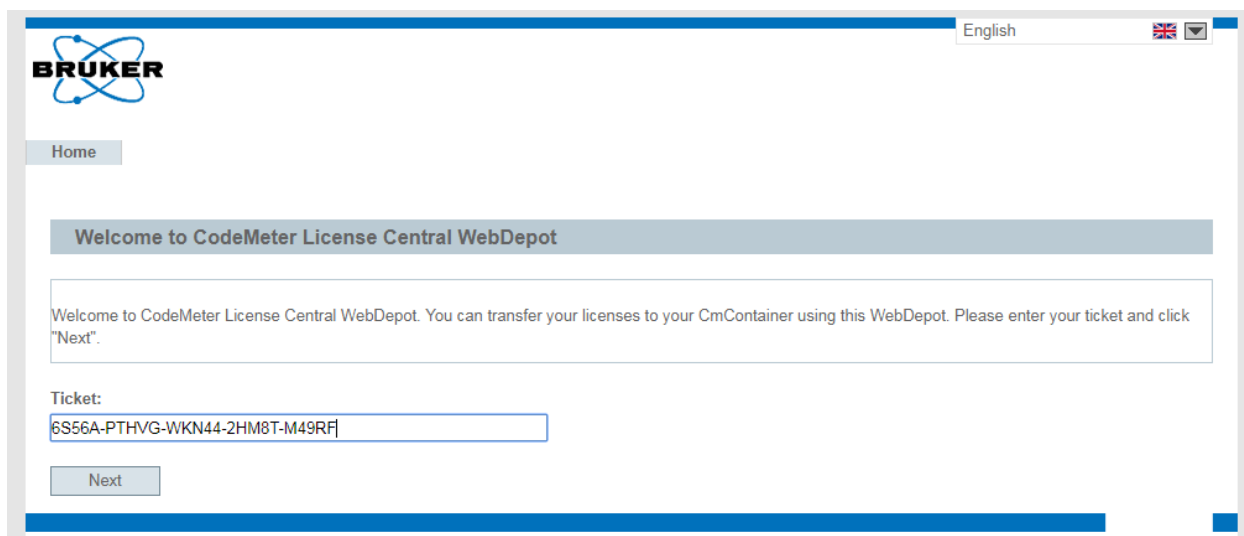
[Download for Linux](#)

[Download for Mac OS](#)

- Back in TopSpin, choose Install License ticket



7. Paste the code into the spot for the ticket and click Next:



8. Click Activate Licenses

BRUKER

English

Home My Licenses

My Licenses

Name	Activated On	CmContainer	Status
TopSpin4 Processing Only (academia license) incl. TopSpin3			Available: 1 (1)

Activate Licenses

Legal Notice | ©WIBU-SYSTEMS AG | CodeMeter License Central WebDepot v17.07.180.500.ws

9. If you get returned to the Welcome to the CodeMeter License Central WebDepot screen, then use a different browser! For example, try Internet Explorer on PC or Safari on Mac. (Chrome doesn't seem to work.) Go to the website <http://licensecentral-bbio.bruker.de/index.php> and paste the code in. You should see:

BRUKER

English

Home My Licenses

Available Licenses - Select the binding for Your Licenses

You can bind your licenses either to a computer (CmActLicense) or to a dongle (CmDongle).

- When binding to a computer, the licenses are transferred to that machine. The licenses are associated with some properties of this computer.
- When binding to a CmDongle, the licenses are fully transferred into this dongle. This allows you to use these licenses on different computers.



I want my licenses in a dongle (CmDongle) to be able to use them on different computers.
Firm Code: 102882

I want my licenses on one computer (CmActLicense).
Firm Code: 5000606 | CmContainer: BRUKER_BBIO_WMLV (0002)

10. Choose "I want my licenses on one computer" (icon looks like a certificate):

11. Click on Activate selected licenses now

BRUKER

English  

Home My Licenses


Available Licenses

To activate your licenses:

1. Select the licenses you want to activate.
2. Select the locally connected CmContainer to which you want to transfer the licenses.
3. Click "Activate Selected Licenses Now".

<input checked="" type="checkbox"/>	Name	Activated On	CmContainer	Status
<input checked="" type="checkbox"/>	TopSpin4 Processing Only (academia license) incl. TopSpin3			Available

Select CmContainer


32767-27009 (BRUKER_BBIO_WMLV) 

Activate Selected Licenses Now Offline license transfer

12. You should see:

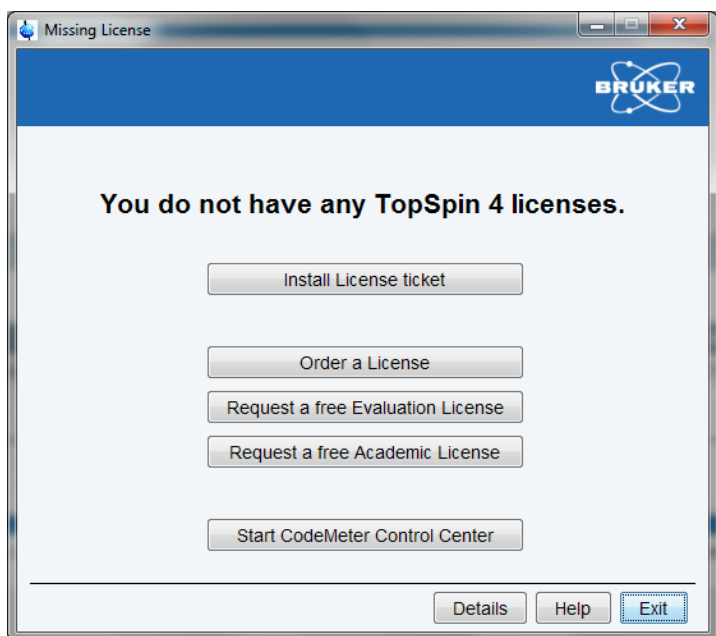
Online License Transfer

Starting license transfer.
 Creating license request.
 Downloading license update.
 Importing license update to CmContainer.
 Creating receipt.
 Uploading receipt.

 License transfer completed successfully!

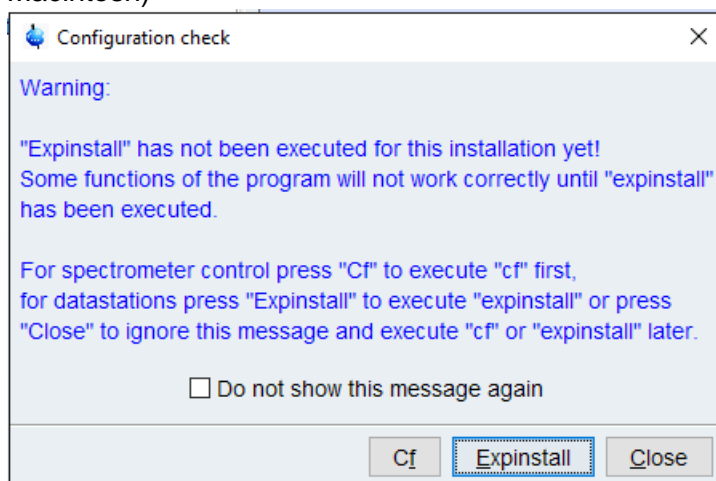
OK

13. Exit from TopSpin

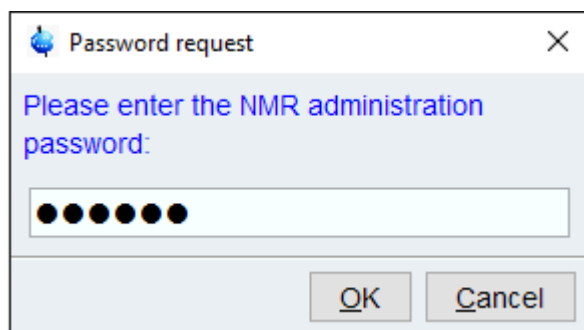


Configuring TopSpin

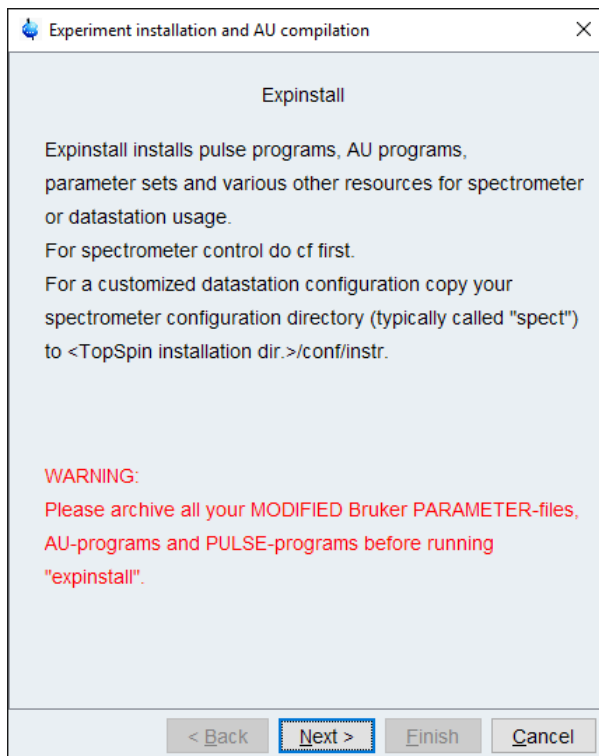
1. Restart TopSpin, for example from the Start Menu
2. If you are using Windows or Linux, click Expinstall (there is no need to do this with Macintosh)



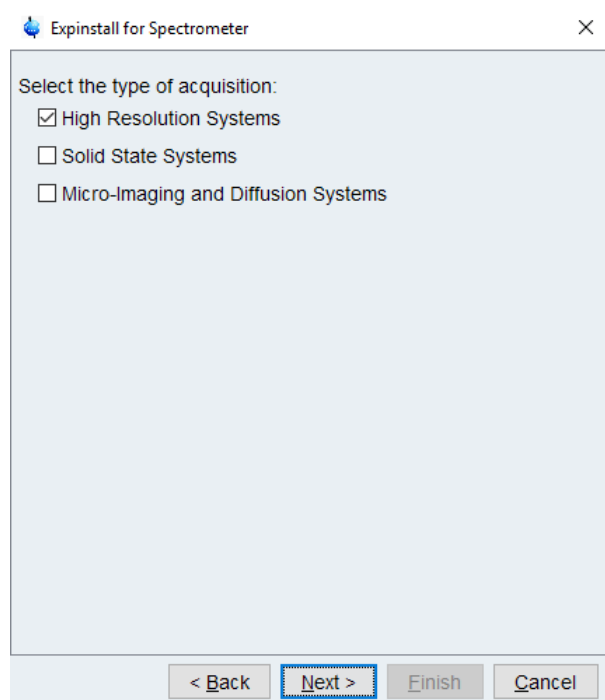
3. Enter the password you chose during the installation of the program (normally **mcgill**) and click OK



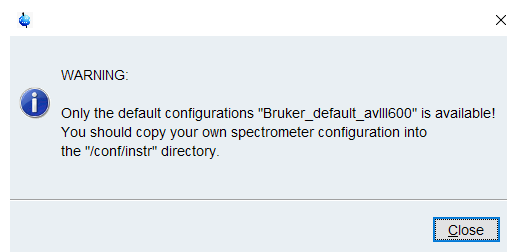
4. Click Next



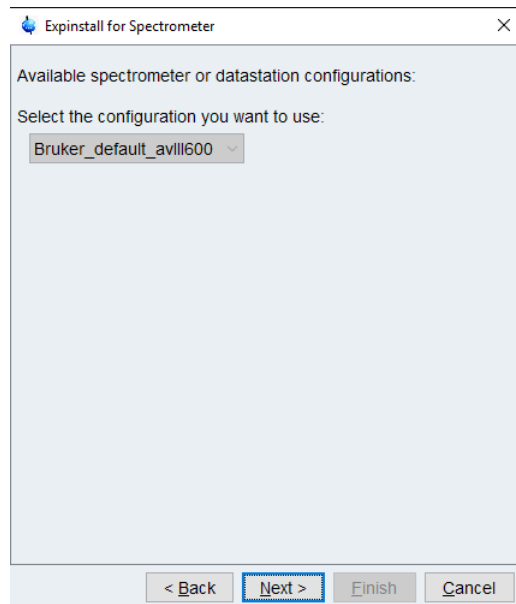
5. Click Next



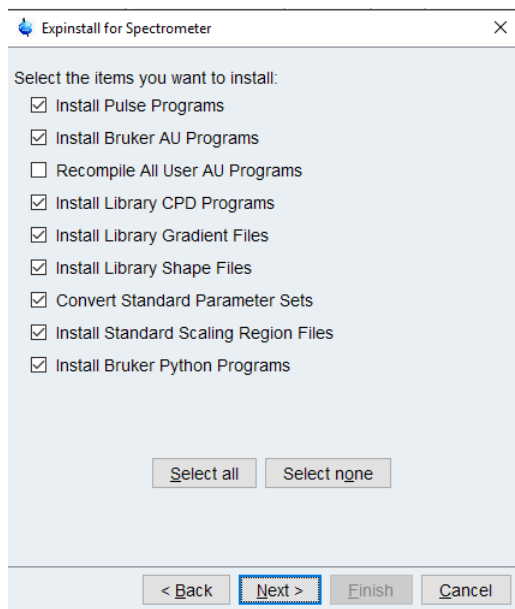
6. Click Close



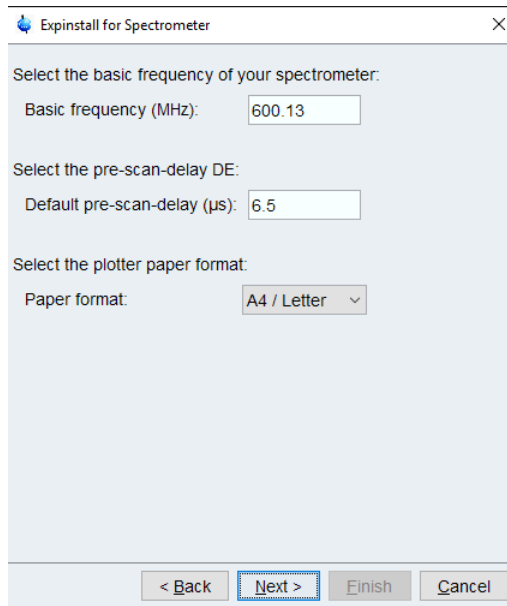
7. Click Next



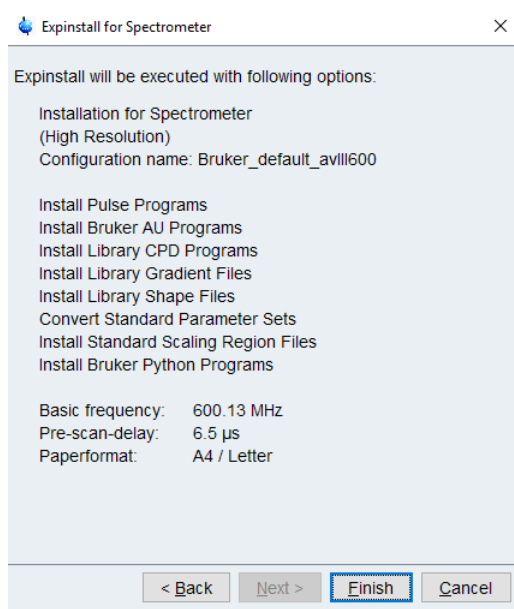
8. Click Next



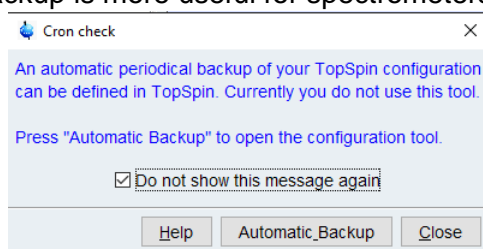
9. Click Next



10. Click Finish

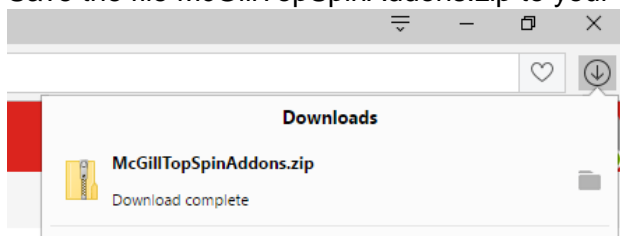


11. After expinstall finishes copying files, select Do not show this message again and Close (the backup is more useful for spectrometers than for datastations)

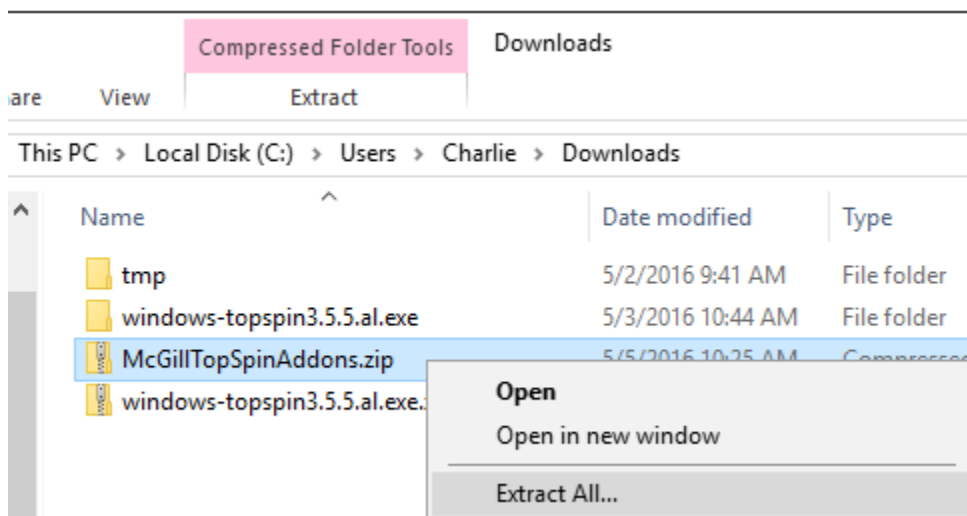


Customizing TopSpin

1. Save the file McGillTopSpinAddons.zip to your Downloads directory



2. Open the folder containing McGillTopSpinAddons.zip and unzip it



← Extract Compressed (Zipped) Folders

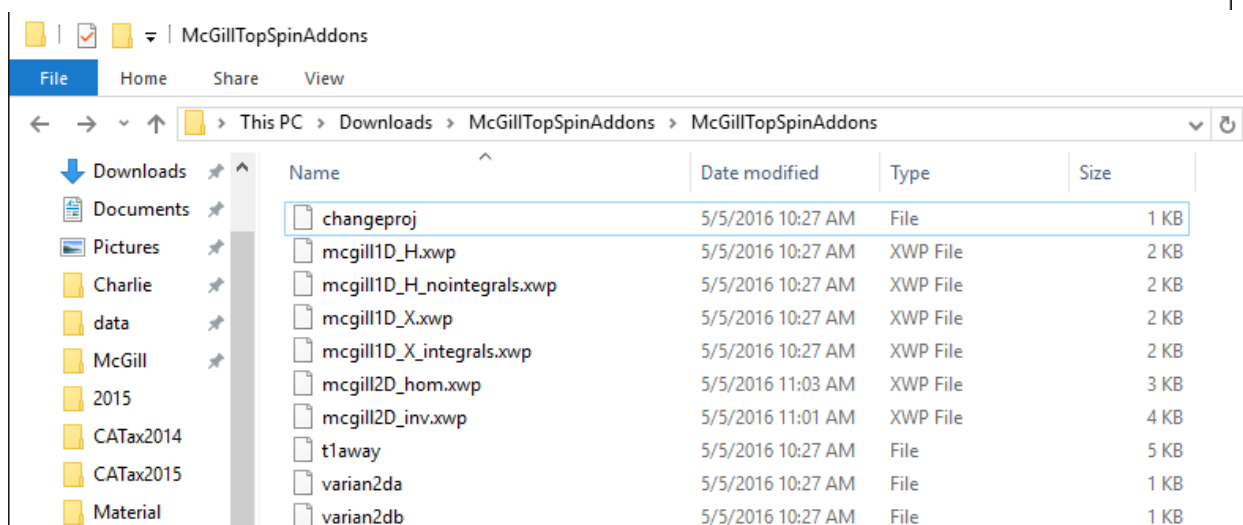
Select a Destination and Extract Files

Files will be extracted to this folder:

C:\Users\Charlie\Downloads\McGillTopSpinAddons

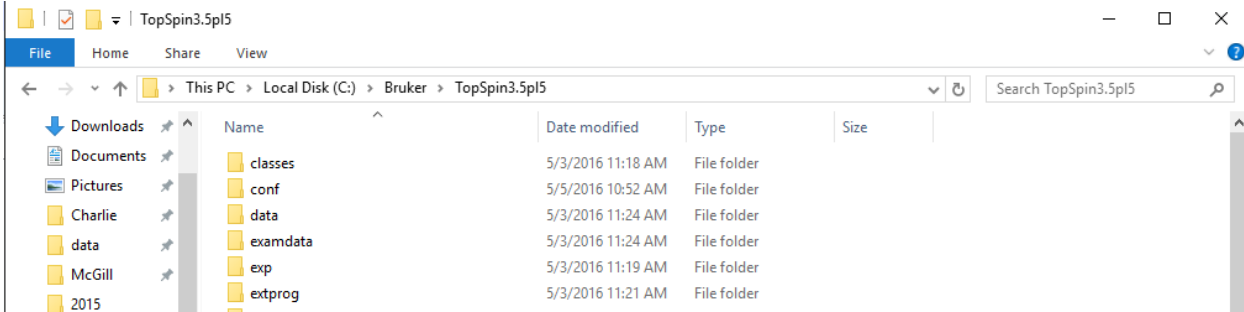
Browse...

Show extracted files when complete

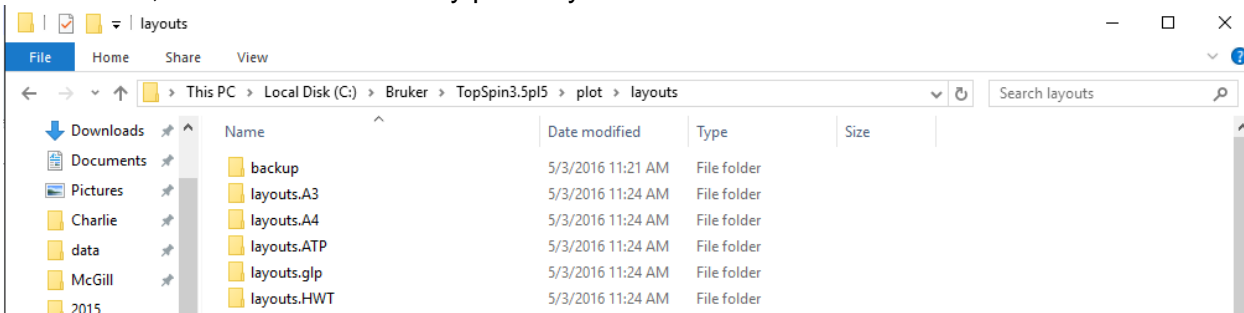


- Keep the Windows Explorer or Finder window showing the files open
- At the bottom of the TopSpin window, type `expl top`. This should open a Windows Explorer or Finder window showing the location of the TopSpin installation. If not, open

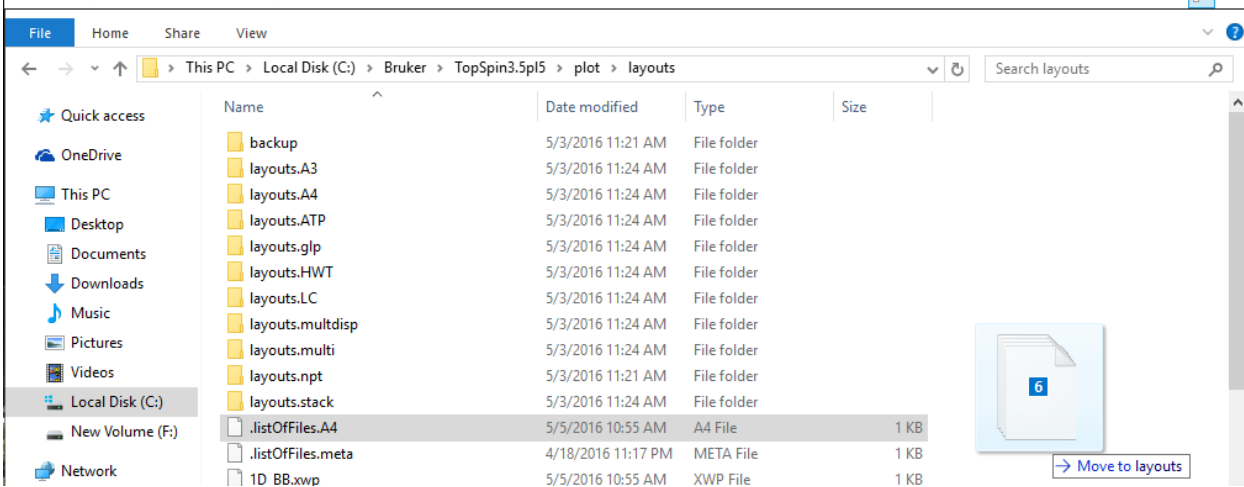
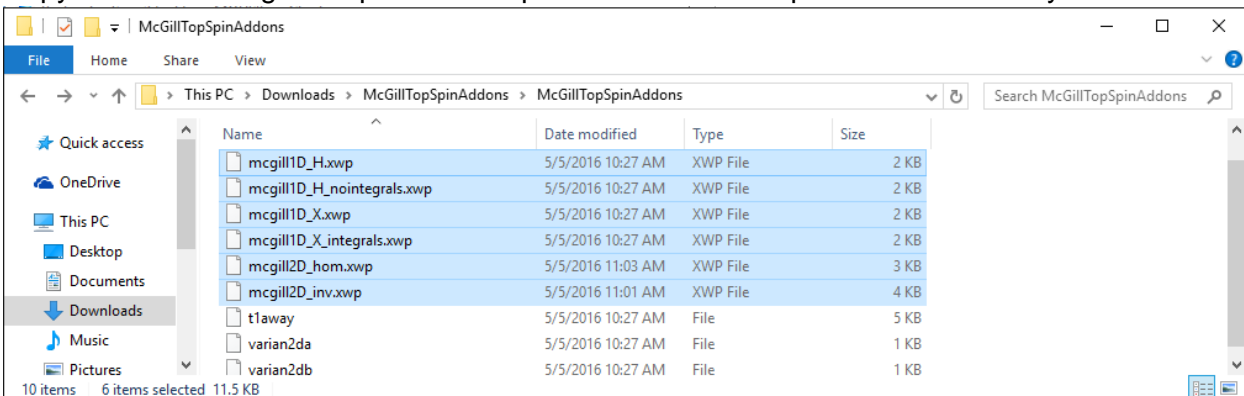
Windows Explorer or the Finder and browse to the appropriate location (c:\bruker\topspin4.0.5 or /opt/topspin)



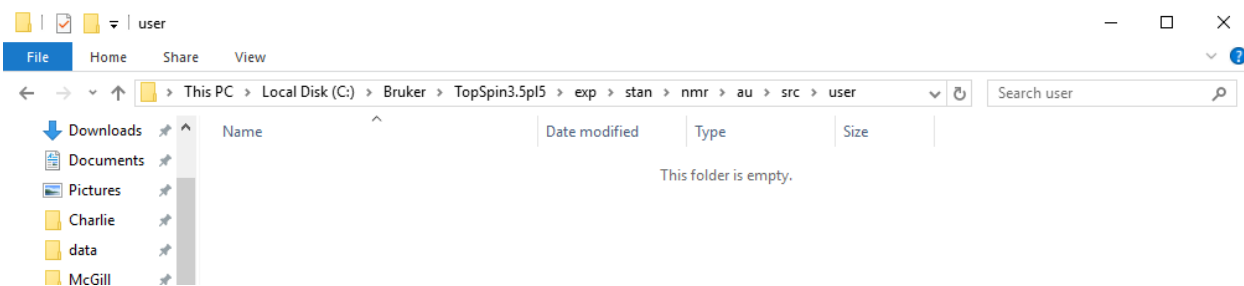
5. From these, browse to the directory plot / layouts



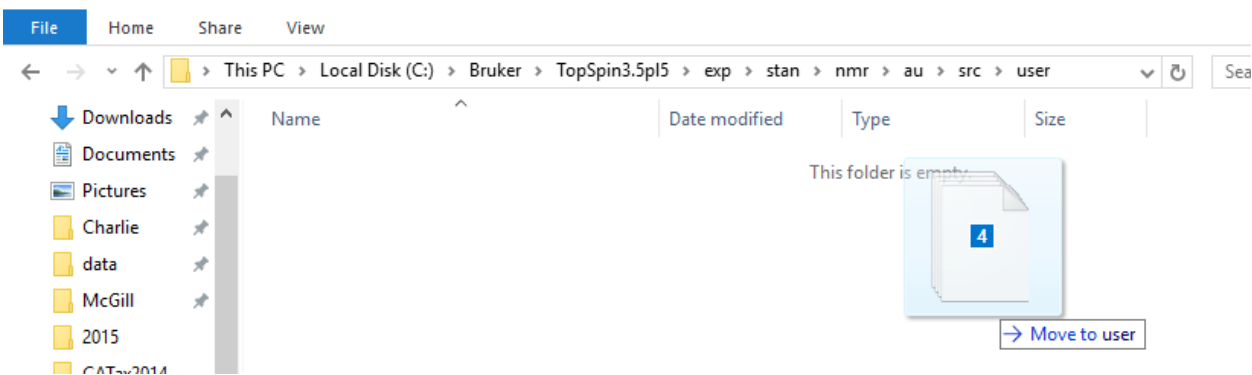
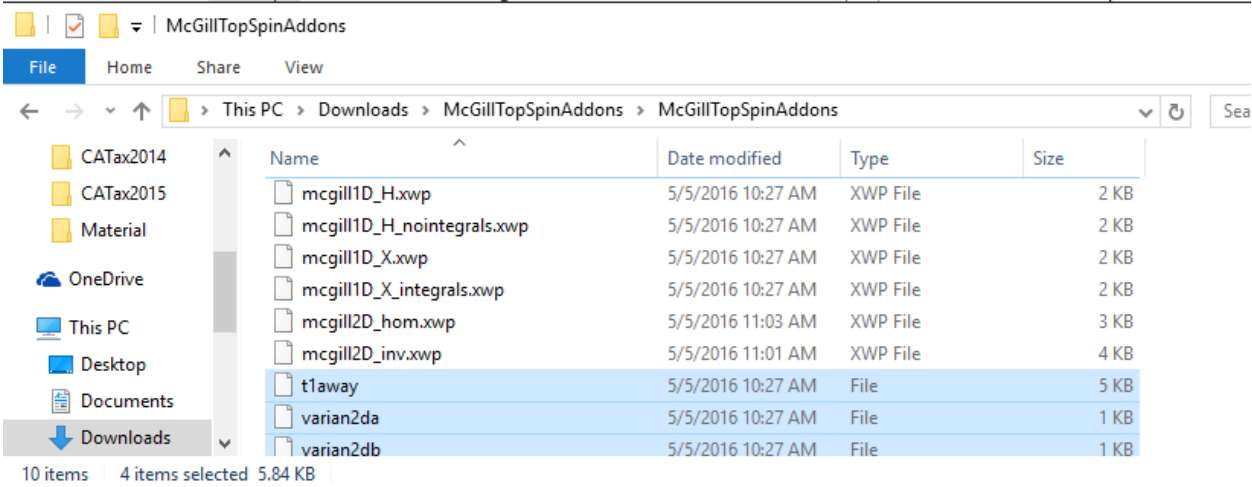
6. Copy the files ending in .xwp from the zip file extracted in step 2 into this directory



7. Next, go up to the TopSpin directory, and then browse to exp / stan / nmr / au / src / user

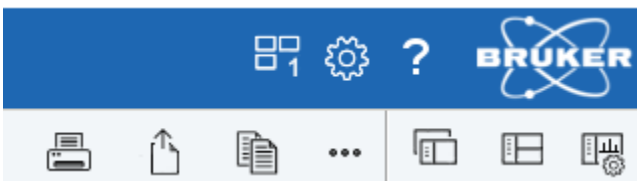


8. Copy all remaining files from the unzipped file into this directory

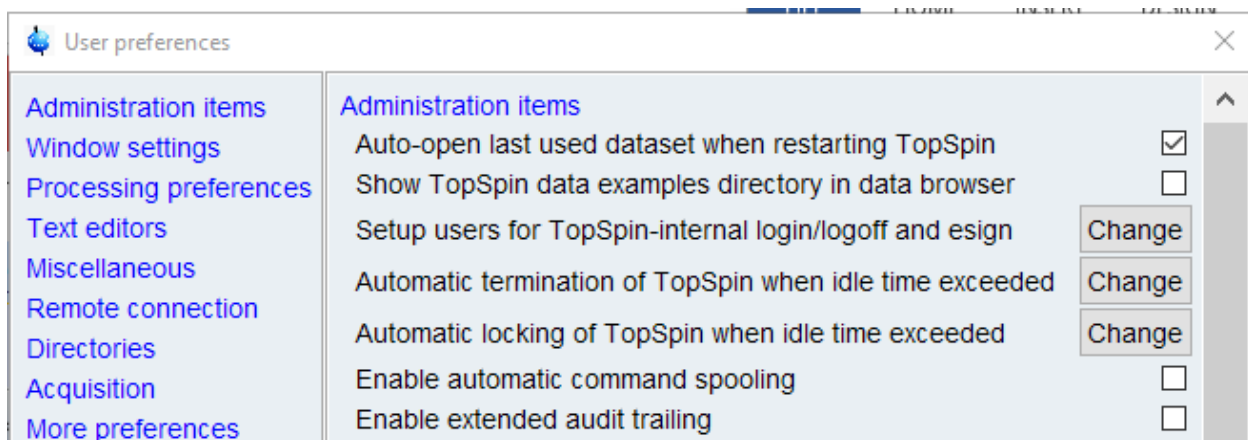


9. Go back into TopSpin

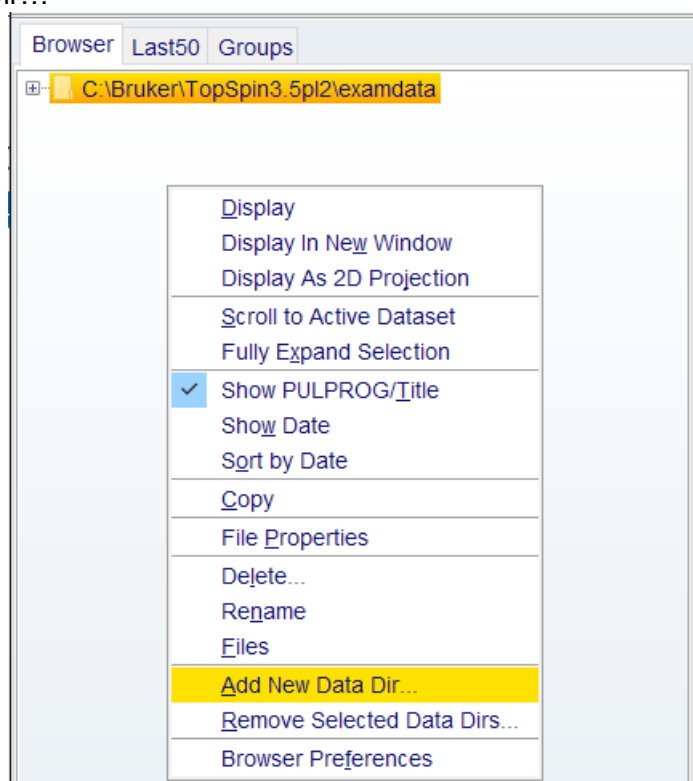
10. Go to the settings icon in the upper right of the window



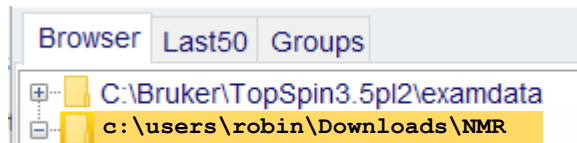
11. Enable Auto-open last used dataset when restarting TopSpin



12. Right-click in the Data Browser (left side of the TopSpin window) and choose Add New Data Dir...



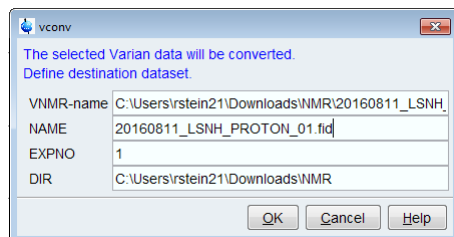
On a Mac, use /Users/<username>/Downloads/NMR. On a PC, use c:\users\<username>\data\<projectname>\nmr. Your data will then be visible in the data browser.



Getting Varian data into TopSpin

There are various options for getting Varian data into TopSpin. Try them and use the one that works for you.

1. Type `vconv` to open Varian data. Browse to the directory level (named `<samplename>.fid`) and click OK. You will be asked to choose a name (the default is the Varian name), a directory (use `c:\users<username>\Downloads\NMR` for a PC, and `/Users/<username>/Downloads/NMR` on a Mac), and an expno (best is just to choose 1).



2. Type `getvarian` to open Varian data. Follow the prompts, including browsing to the dataset. If data doesn't get processed automatically, click on Process / Proc. Spectrum.