



NAS settings

I put the NAS under my desk in my office. The name is "ACTNEM" standing for active nematics. It is connected via an ethernet cable to a router in my office, so supposedly it is in the local network of ESPCI. Below are some key information:

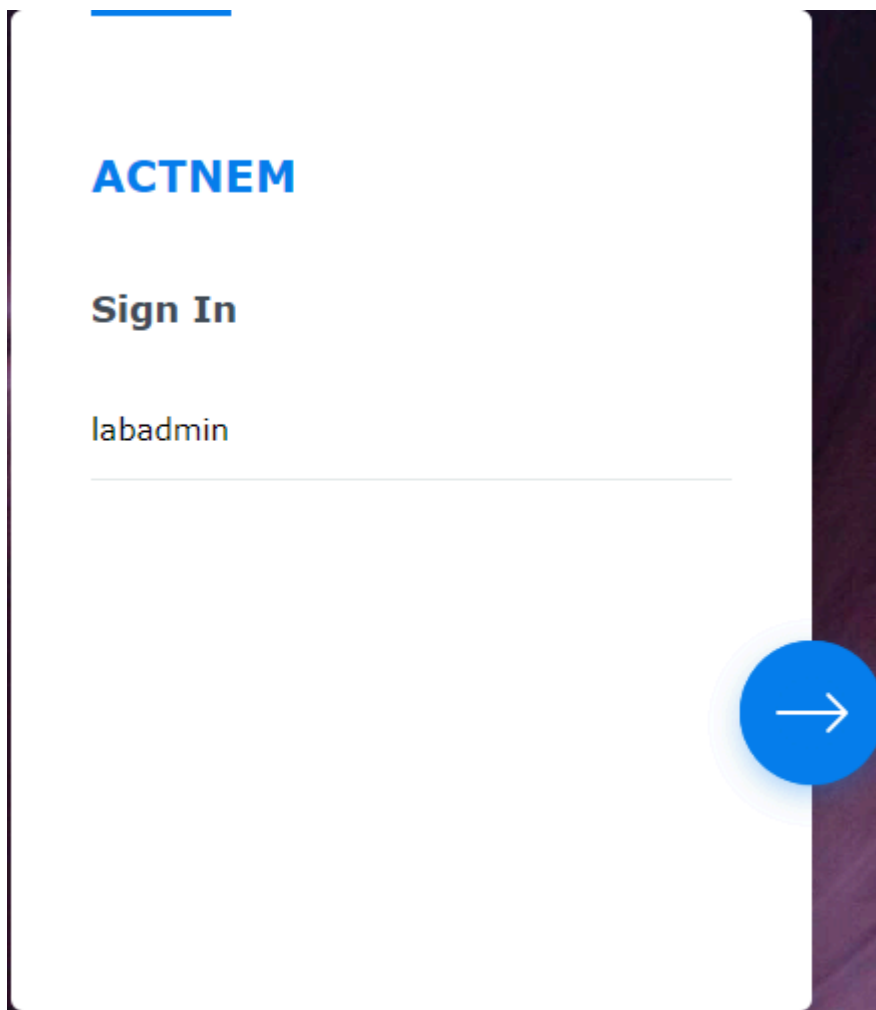
```
Server name: ACTNEM
QuickConnect ID: actnem
IP address: 193.54.88.3
Default gateway: 193.54.88.1
DNS: 193.54.82.20
```

1. Access

- From ESPCI local network (if your IP address is 193.54.88.xxx):
<https://193.54.88.3:5001/>
- From external network: <https://quickconnect.to/actnem>

Then you need to input your credentials to login the system. I have created an administrator account:

```
username: labdamin
password: ActiveNemat1cs
```

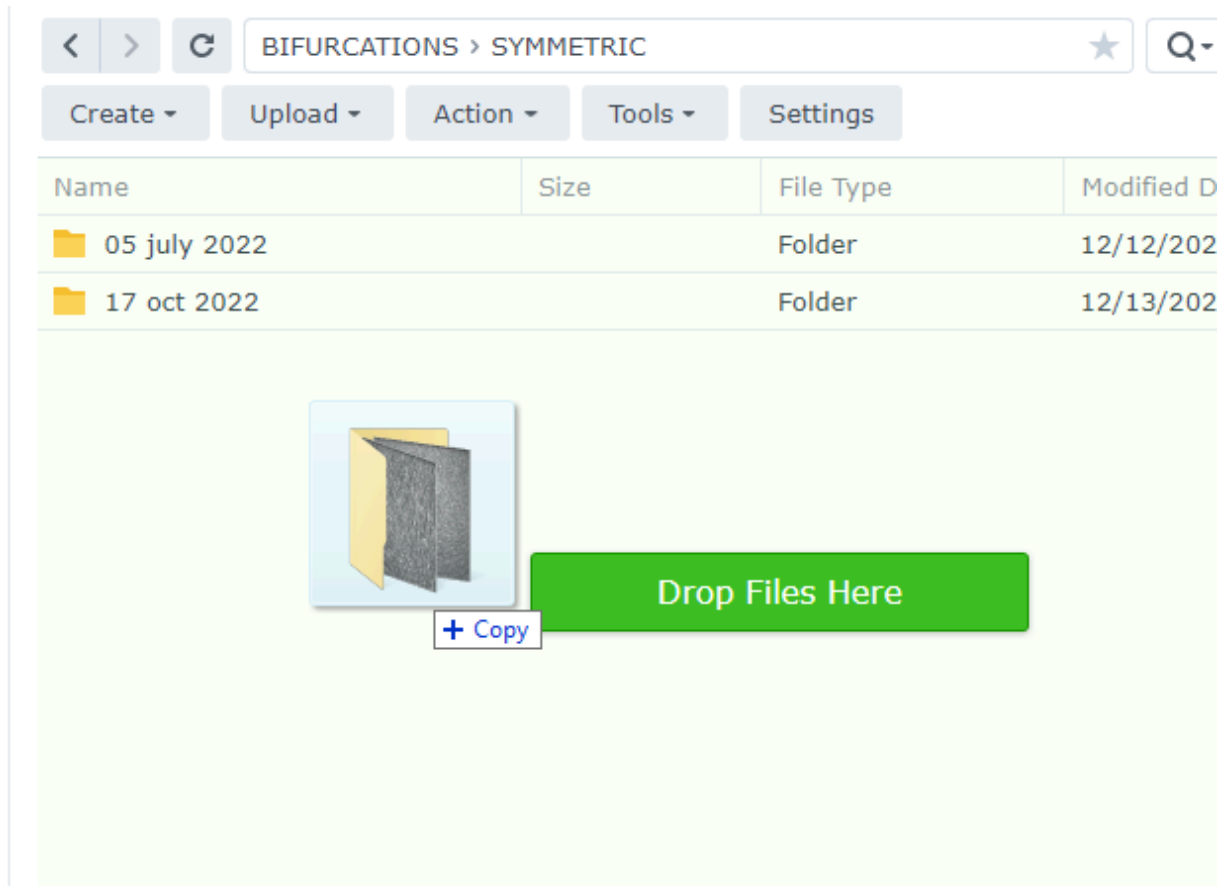


After logging in with labadmin, you can head to "Control Panel" -> "User & Group" to create a new user with your preferred username and password. Once created, you can sign out the admin account and sign in with your newly created account.

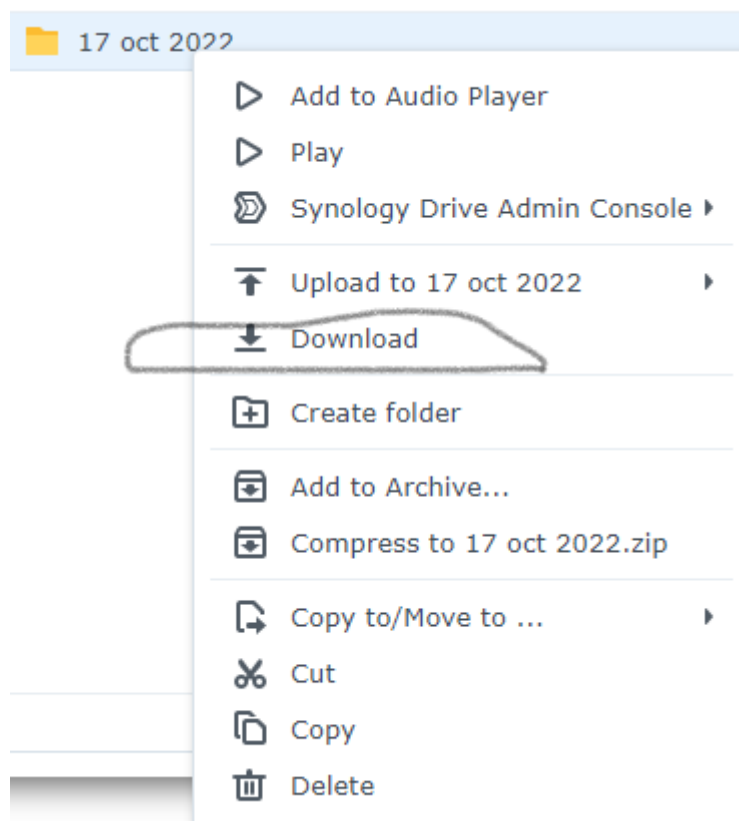
NOTE: Do not use the administrator account for daily use of the system.

2. Upload files

Files can be transferred using "File Station" in the web interface by drag & drop files to shared folders.



To download, just right click on the file(s) and select download.



3. Map network drive

It is convenient to map the drive to local file systems, so that we can access network files as if they are on my local computer. This can be achieved by SMB protocol.

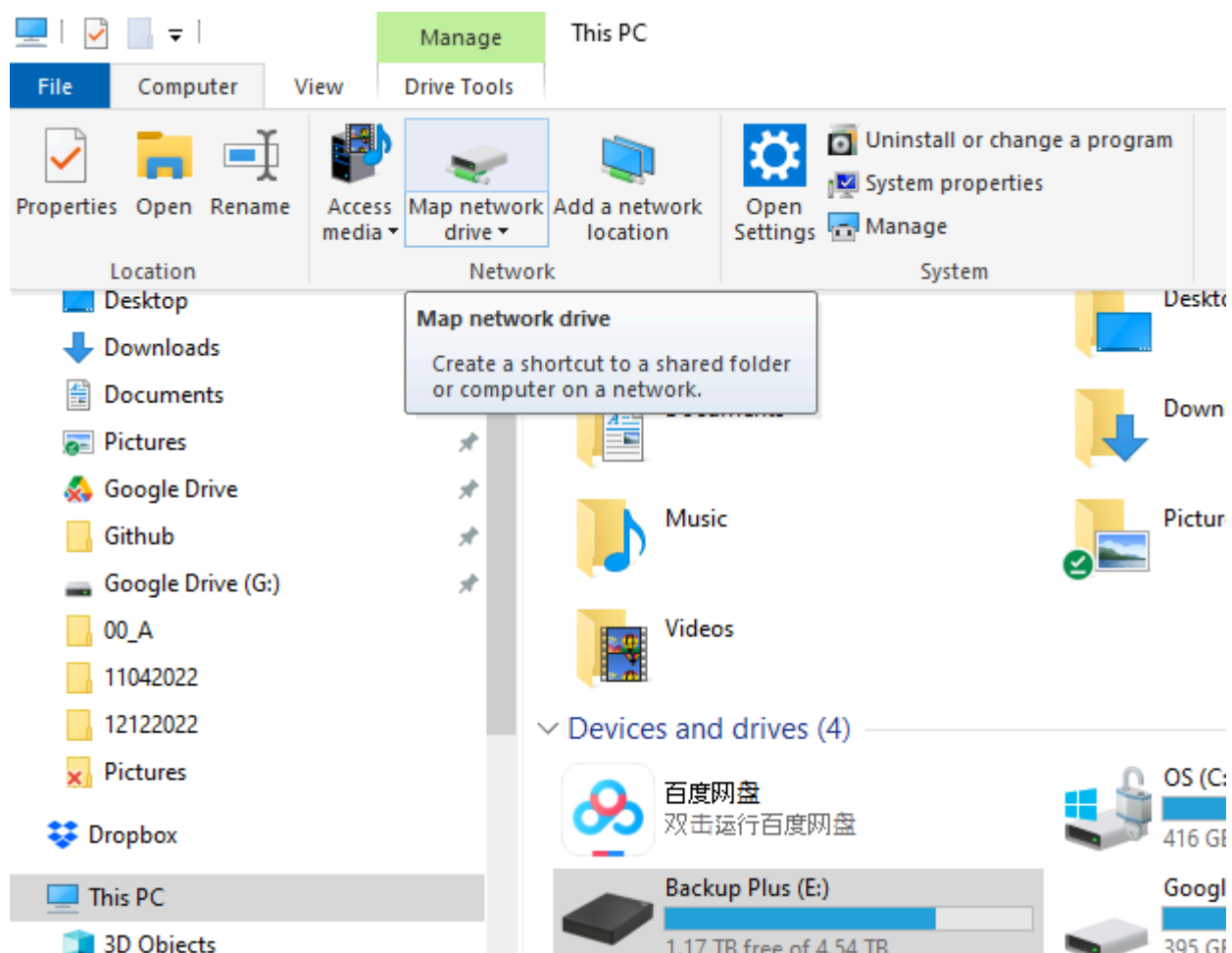
Access files through SMB
Directly access files on your NAS by entering the address below into the file manager on your computer.

PC (Windows Explorer): **\\ACTNEM**
Mac (Finder): **smb://ACTNEM**

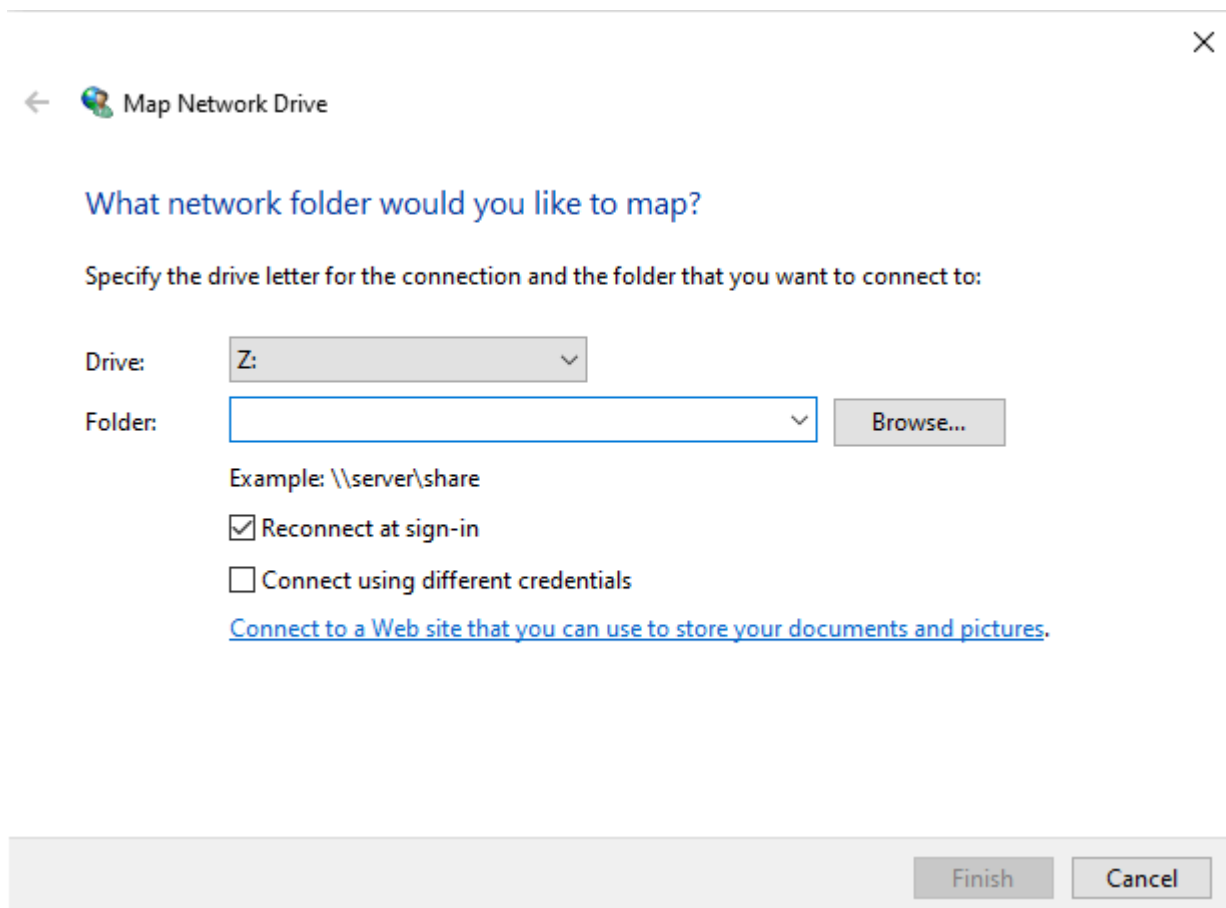
Go to

Windows 10

On windows computer, we can deploy the mapping by clicking "my PC" in File Explorer and then choose "computer" tab.



Then click "Map network drive" -> "Map network drive". Choose a letter for the drive, and locate the network drive using "Browse".



Map Network Drive

What network folder would you like to map?

Specify the drive letter for the connection and the folder that you want to connect to:

Drive: Z: ▼

Folder: Browse...

Example: \\server\share

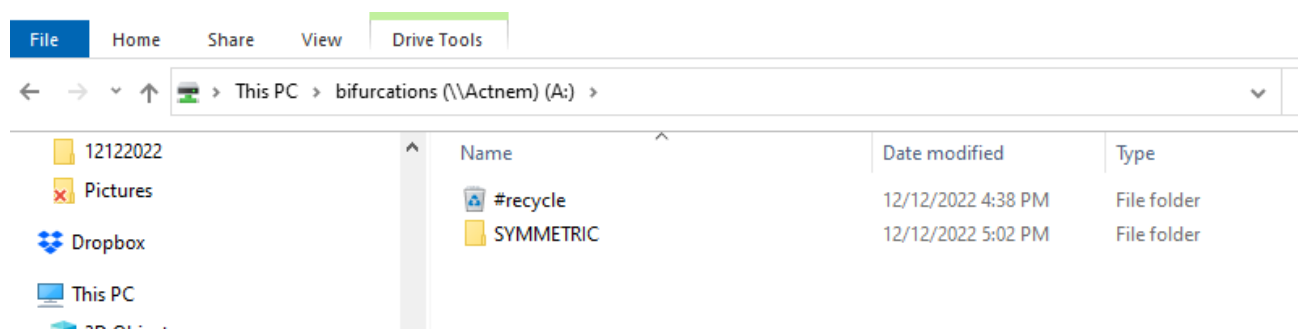
☒ Reconnect at sign-in

☐ Connect using different credentials

[Connect to a Web site that you can use to store your documents and pictures.](#)

Finish Cancel

For example, I choose letter **A:** for the shared folder `\\ACTNEM\bifurcations`, on my local computer it looks like

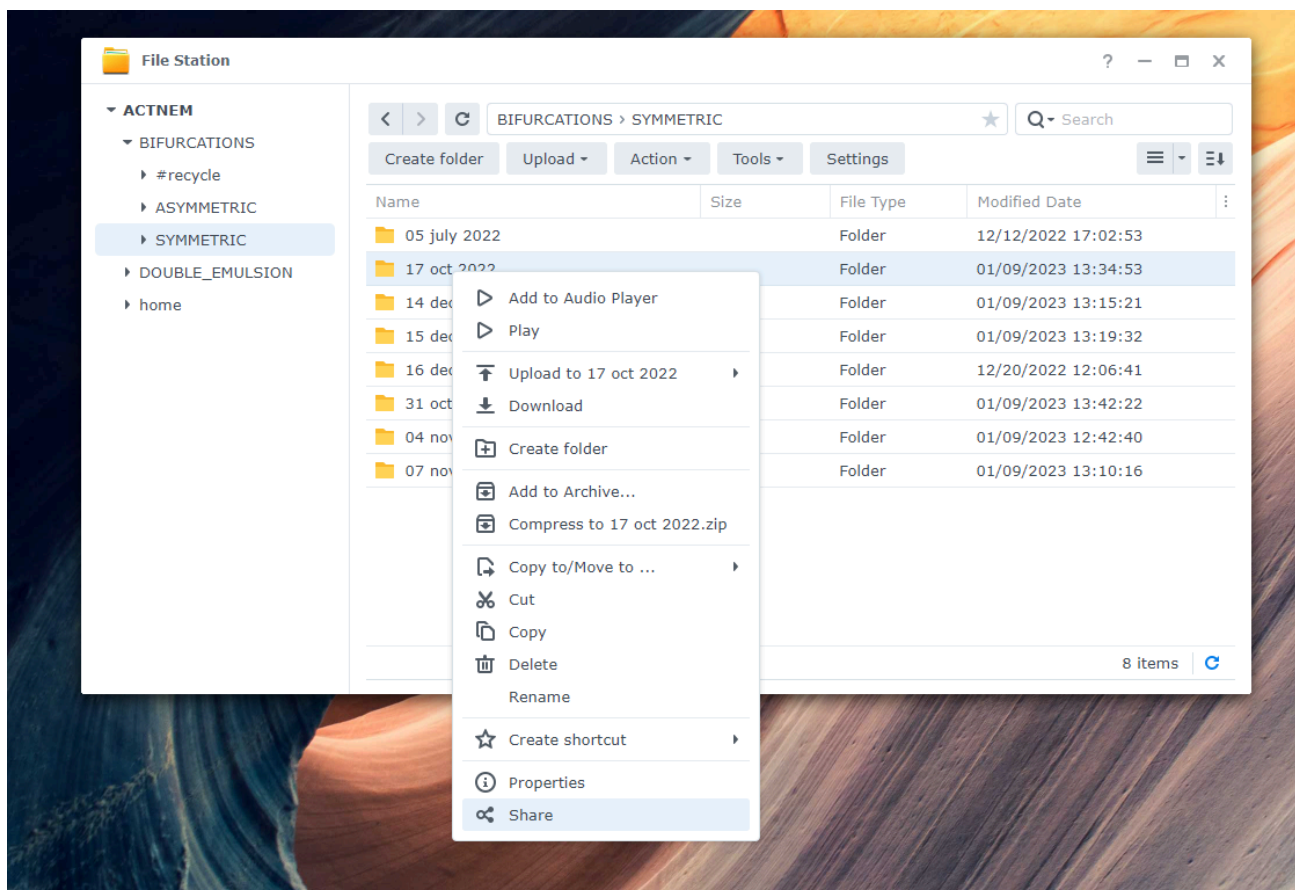


MacOS

To be tested.

4. Share files to non-members

In the web interface, open "File Station". Select the file(s) or folder(s) you want to share, right click and choose "Share" at the bottom of the menu.



In the "Share with others (...)" window, copy the "Sharing link", then click "Save".

Share with others (1 item)

^ Link Settings

File path: /BIFURCATIONS/SYMMETRIC/17 oct 2022

Sharing link:

☐ Enable secure sharing

Privacy settings: Internal - DSM account login required

Account:

^ Advanced options


Cancel

Save

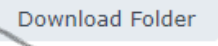
Then send the "Sharing link" to the person you want to share files with. By clicking on the




link, he/she should be able to download the content you share.

 **File Station**



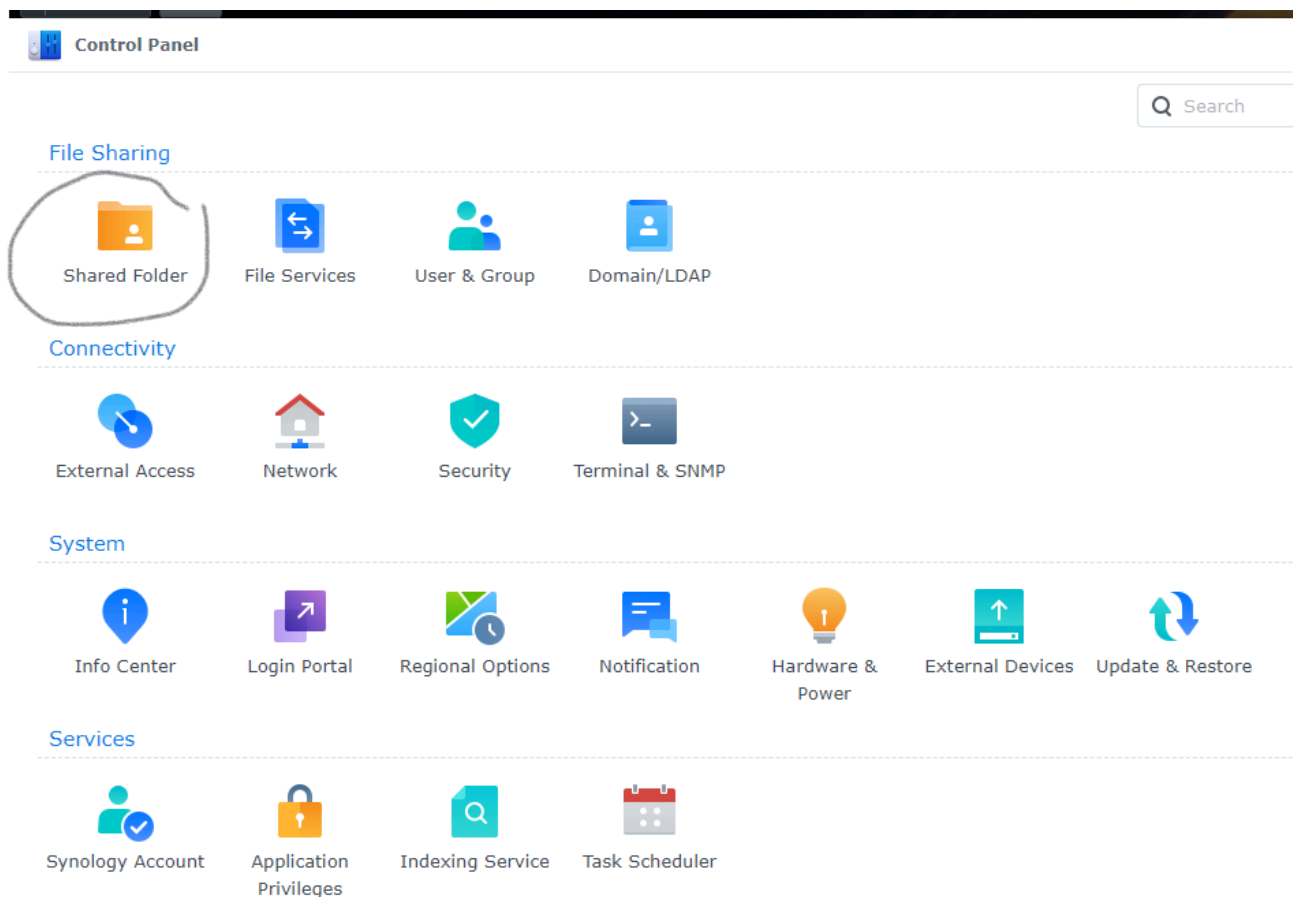
17 oct 2022



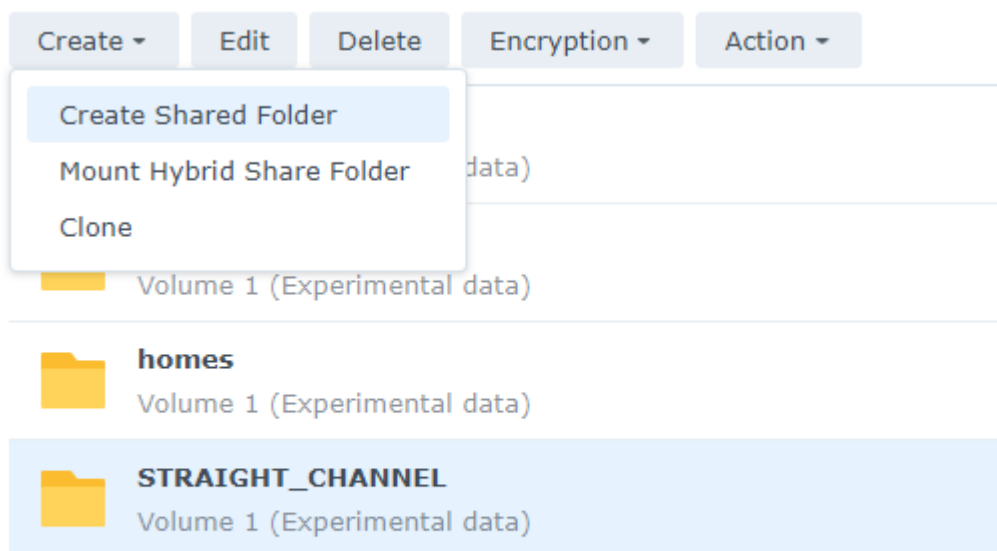
Name	Size
 Flow_rate	
 mask	
 nd2	
 PIV_results	
 preview	
 tif	
 oct17.pdf	1.8 MB
 oct17.txt	650 Bytes
 Thumbs.db	18.5 KB

5. Create volume

We create a top level shared folder for a clearly defined project, e.g. bifurcation and the straight channel, and save small tests in the personal home directory to avoid spamming the shared spaces. To create a top level shared folder, login as "labadmin" (see step 1) to the web interface and open "Control Panel". Then select "Shared Folder".



Then click Create -> Create shared folder.



Then follow the create-wizard to specify the details for the folder. The most important things are the name and the permissions. Make sure to give only relevant users "write" permission.

Set up basic information

Name *:

STRAIGHT_CHANNEL

Description:

Location:

Volume 1: Btrfs

- ☐ Hide this shared folder in "My Network Places"
- ☐ Hide sub-folders and files from users without permissions [i](#)
- ☒ Enable Recycle Bin
- ☒ Restrict access to administrators only

Note: [How to set up a Recycle Bin emptying schedule](#)

* This field is required.

Next