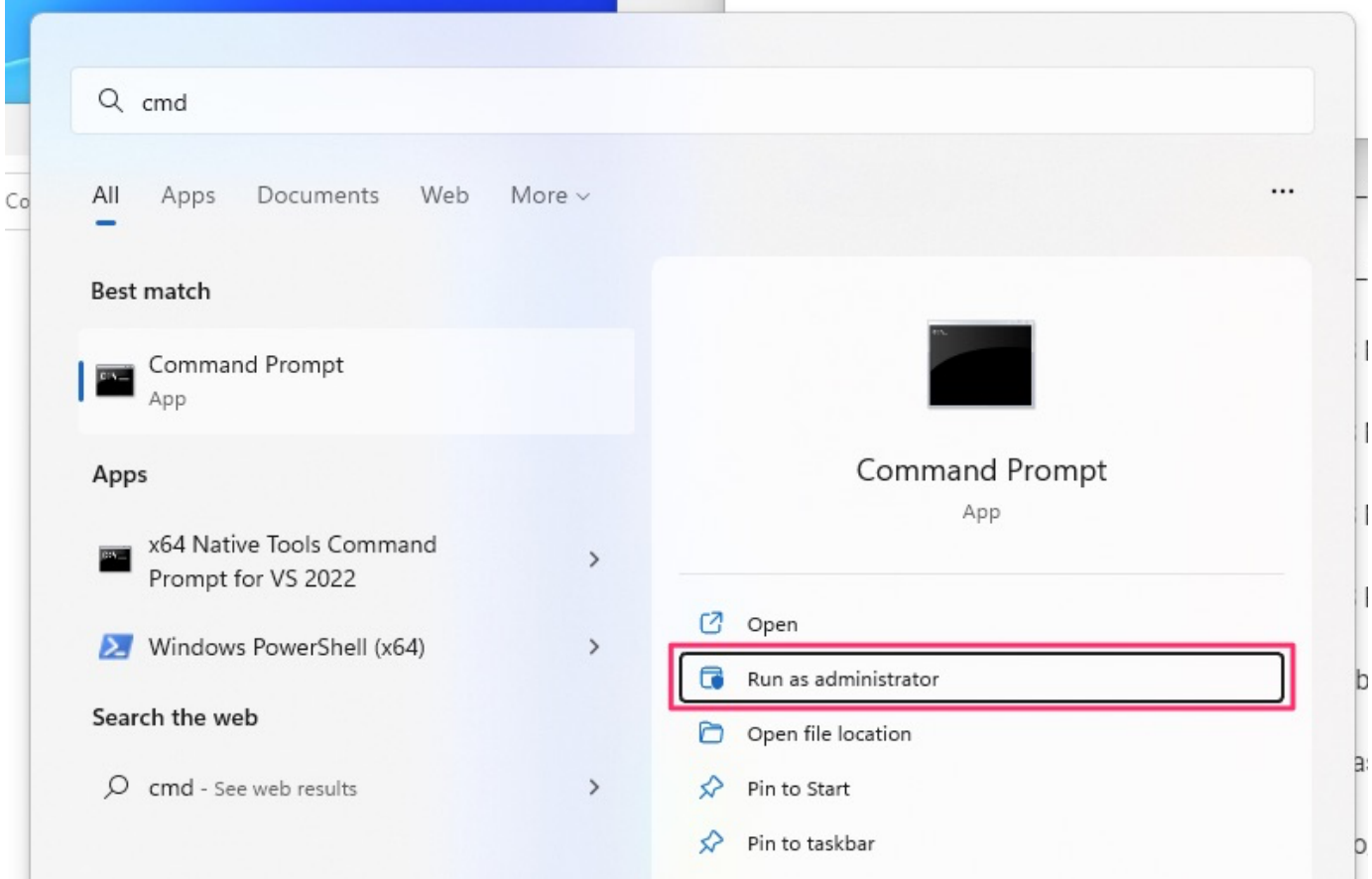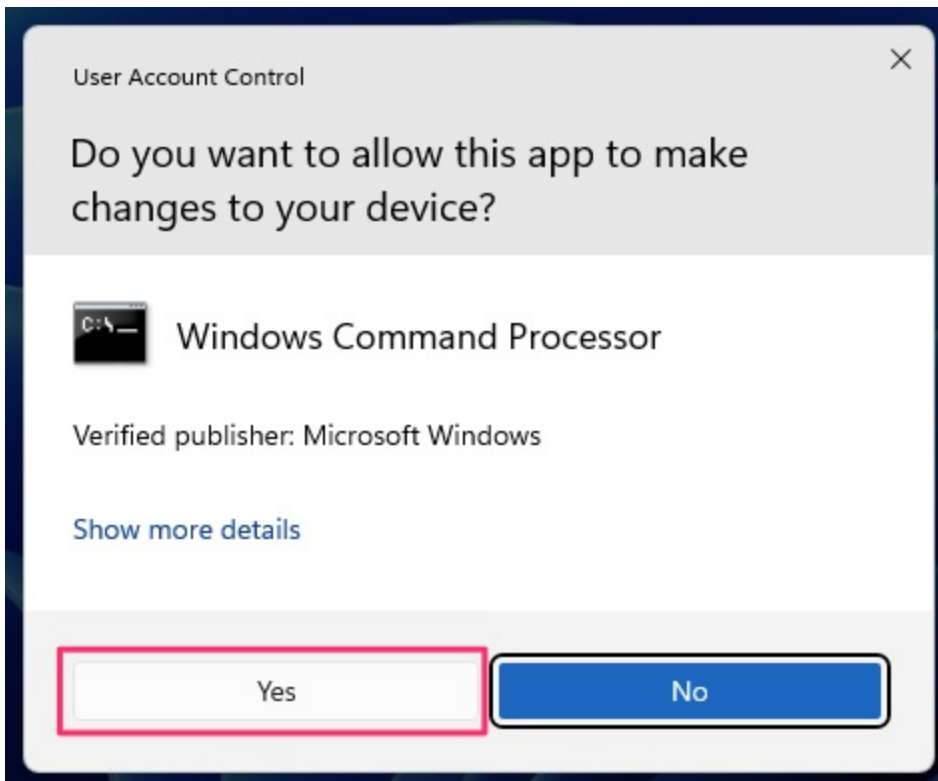# How to set up SMB with remote.it on Windows (simplified)

1. Configure the internal port proxy configuration with the netsh command

Start a command prompt with administrative privileges.

Click [Yes].

Run the following command:

```
>netsh interface portproxy add v4tov4 listenaddress=127.0.0.1
listenport=445 connectaddress=127.0.0.1 connectport=33333
```



```
C:\Windows\System32>netsh interface portproxy add v4tov4 listenaddress=127.0.0.1 listenport=445 connectaddress=127.0.0.1 connectport=33333

C:\Windows\System32>
```

`listenport` Local loopback interface, set to 127.0.0.1.

`listenport`: Port for SMB by default, set to 445.

`connectdaddress`: Local loopback address for remote.it connection, set to 127.0.0.1.

`connectport`: Listen port for remote.it connection on the device. Set a value that does not conflict with the listen port of other remote.it services. For this procedure, set to 33333. This value is used in the procedure in the next section.

Run the following command to confirm that the portproxy has been configured.

```
>netsh interface portproxy show all
```

```
C:\Windows\System32>netsh interface portproxy show all

Listen on ipv4:              Connect to ipv4:

Address          Port        Address          Port
---------------  ----------  ---------------  ----------
127.0.0.1        445         127.0.0.1        33333


C:\Windows\System32>
```

2. Reboot the device

Reboot the Windows machine to apply the configurations so far.

3. Make a remote.it connection for SMB at Desktop application.

Start the Desktop application and open the SMB service screen of the NAS you wish to connect. Set the [LOCAL PORT] to 33333 and click [Add TO NETWORK] to create a remote.it connection.
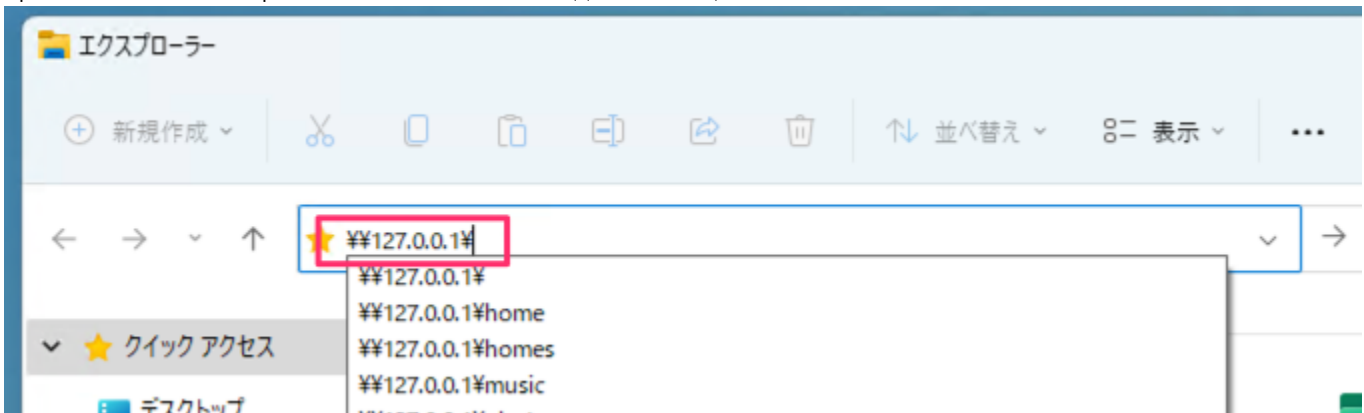The value set for [LOCAL PORT] is the value set by the netsh command in the previous step.
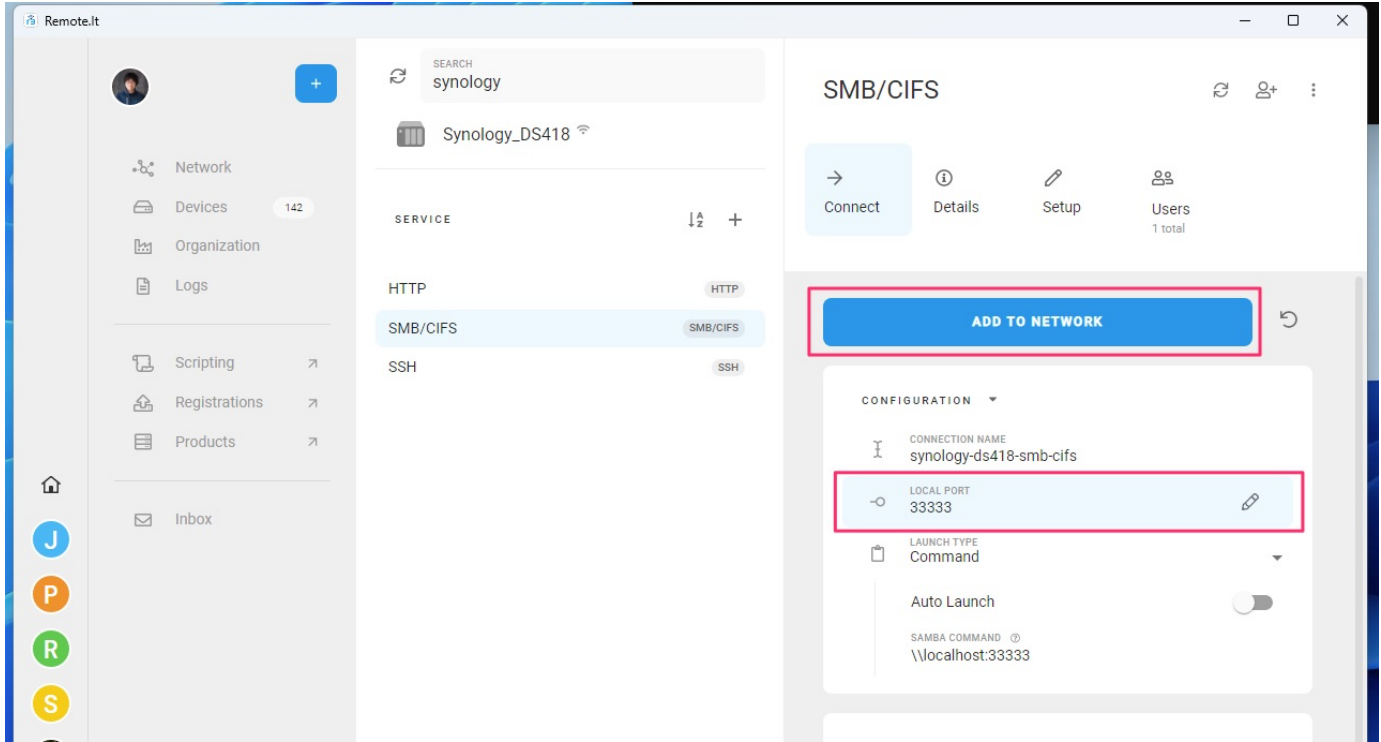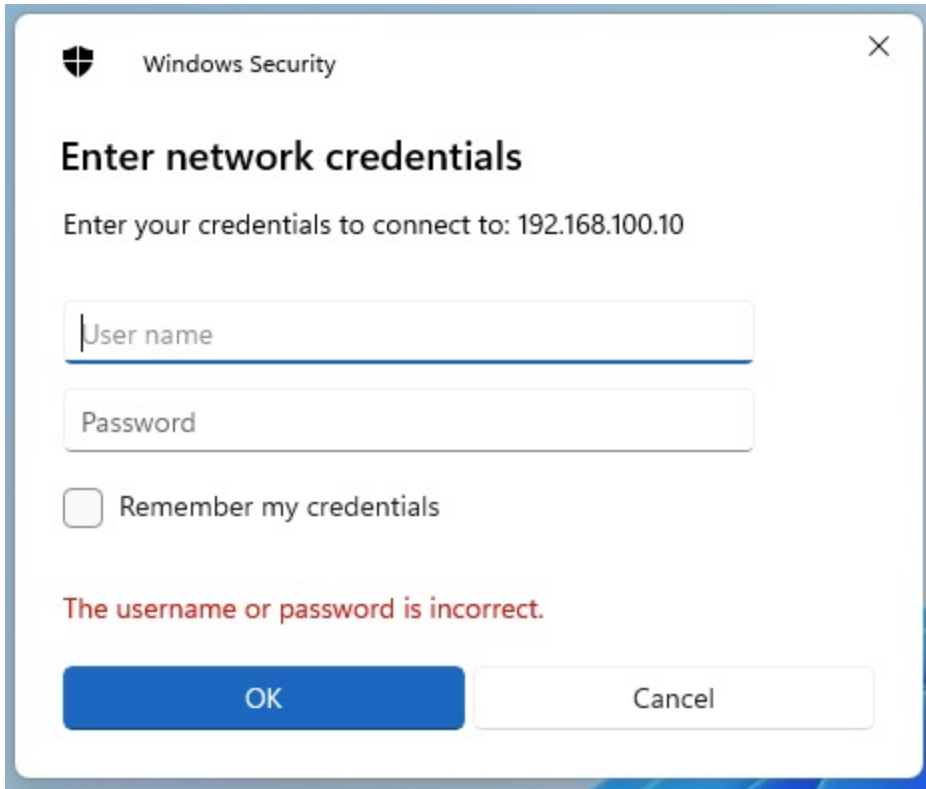

Confirm that [LOCAL ADDRESS] will be set and the connection state comes Idle - Connect on demand.
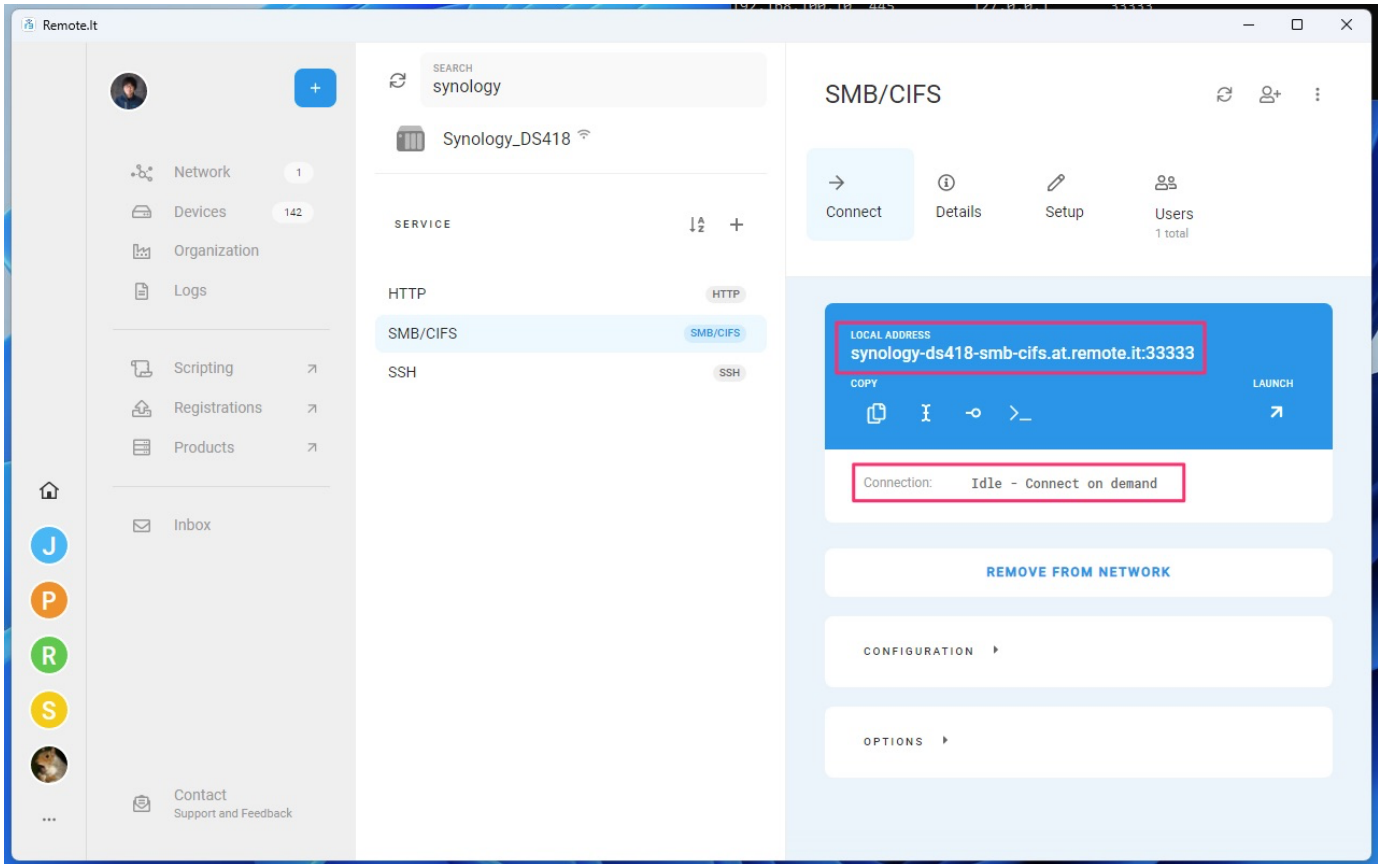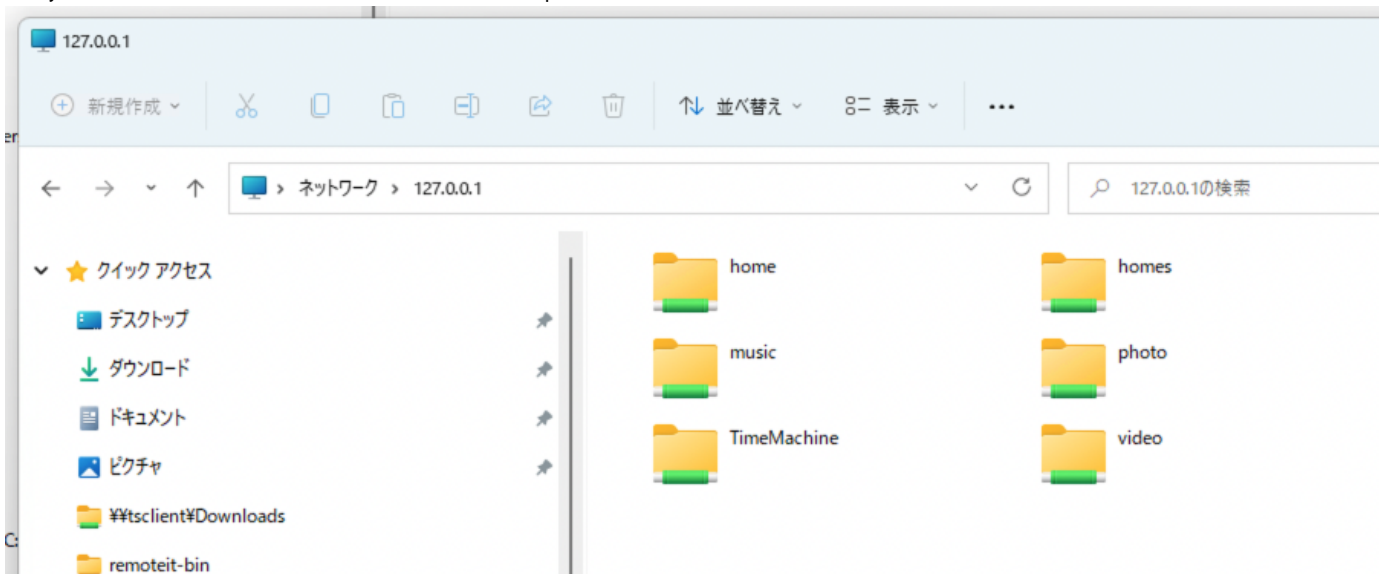
Open the Windows File Explorer and access the address \\127.0.0.1\.

If the sign-in screen of your NAS appears, the remote connection to your NAS is successful.
Enter your NAS account and password and click OK to sign in to the NAS.

You should see the folders on the NAS.
And you should be able to access the `home` folder and put files and create sub folders.

Troubleshooting

Case 1: Local shared files are displayed when access `\\127.0.0.1\`

This problem may occur when file sharing settings are enabled on the local host PC.
Please try the following steps.

Go to [Control Panel] > [Network and Sharing Center] > [Advanced sharing settings], and turn off the all enabled setting points. Note that file sharing will be temporarily disabled.

Private (current profile) ⌃

Network discovery

When network discovery is on, this computer can see other network computers and devices and is visible to other network computers.

- ⦿ Turn on network discovery
  - ☑ Turn on automatic setup of network connected devices.
- ○ Turn off network discovery

File and printer sharing

When file and printer sharing is on, files and printers that you have shared from this computer can be accessed by people on the network.

- ○ Turn on file and printer sharing
- ⦿ Turn off file and printer sharing

Guest or Public ⌃

Network discovery

When network discovery is on, this computer can see other network computers and devices and is visible to other network computers.

- ⦿ Turn on network discovery
- ○ Turn off network discovery

File and printer sharing

When file and printer sharing is on, files and printers that you have shared from this computer can be accessed by people on the network.

- ○ Turn on file and printer sharing
- ⦿ Turn off file and printer sharing

All Networks ⌃

Public folder sharing

When Public folder sharing is on, people on the network, including homegroup members, can access files in the Public folders.
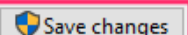
- ○ Turn on sharing so anyone with network access can read and write files in the Public folders
- ⦿ Turn off Public folder sharing (people logged on to this computer can still access these folders)

Click [Save changes] to apply change.

Password protected sharing

When password protected sharing is on, only people who have a user account and password on this computer can access shared files, printers attached to this computer, and the Public folders. To give other people access, you must turn off password protected sharing.

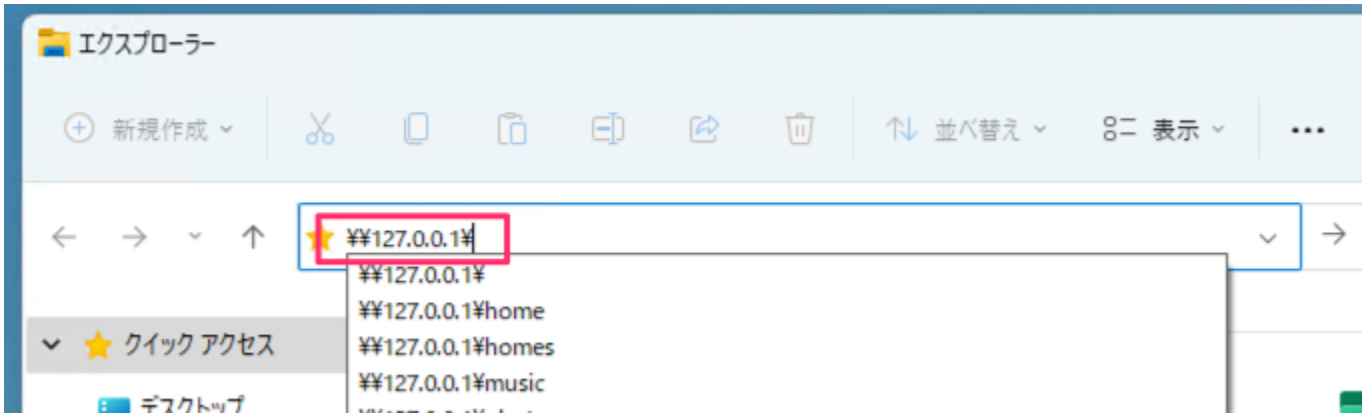- ⦿ Turn on password protected sharing

[🛡 Save changes] [Cancel]

Then reboot your Windows machine.

With remote.it Desktop application, confirm that [LOCAL ADDRESS] will be set and the connection state comes `Idle - Connect on demand`.
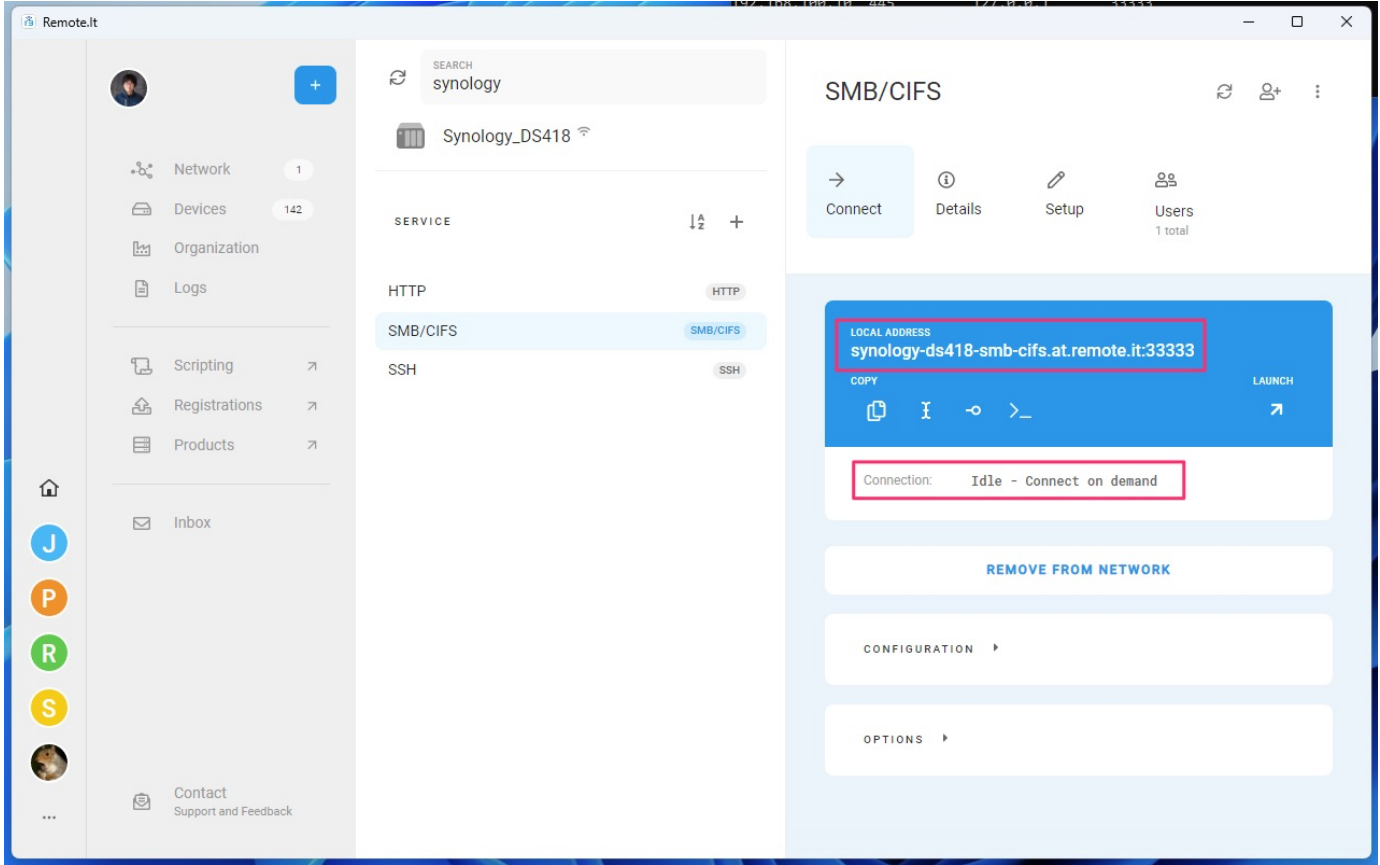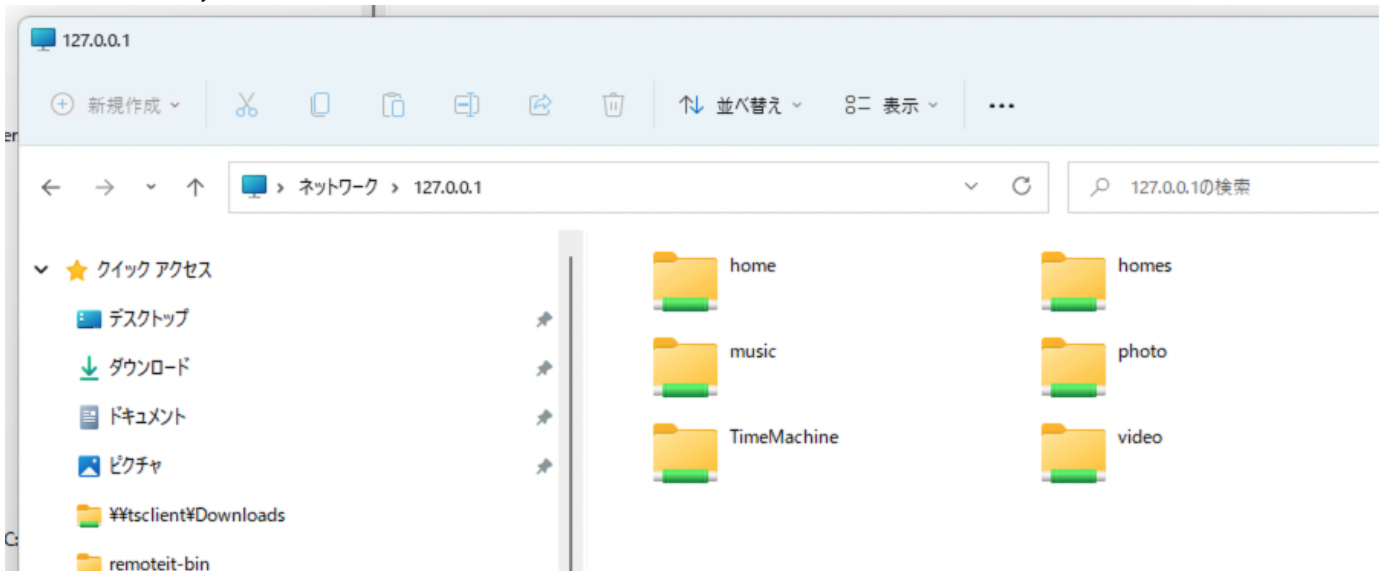

Open the Windows File Explorer and access to `\\127.0.0.1\`.

If the sign-in screen of your NAS appears, the remote connection to your NAS is successful.
Enter your NAS account and password and click OK to sign in to the NAS.
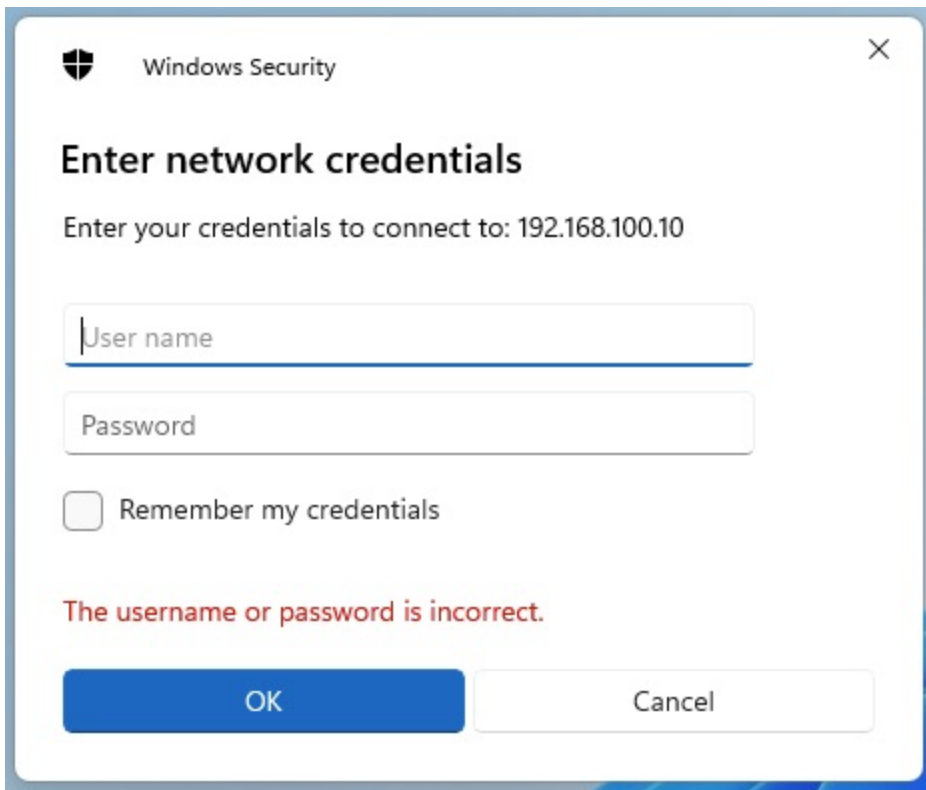
Please confirm that you can see the folders on the NAS.

Go to [Control Panel] > [Network and Sharing Center] > [Advanced sharing settings] again, restore the original settings.

Private (current profile) _____ ⌃

Network discovery _____

When network discovery is on, this computer can see other network computers and devices and is
visible to other network computers.

◉ Turn on network discovery
☑ Turn on automatic setup of network connected devices.
○ Turn off network discovery

File and printer sharing _____

When file and printer sharing is on, files and printers that you have shared from this computer can
be accessed by people on the network.

○ Turn on file and printer sharing
◉ Turn off file and printer sharing

Guest or Public _____ ⌃

Network discovery _____

When network discovery is on, this computer can see other network computers and devices and is
visible to other network computers.

◉ Turn on network discovery
○ Turn off network discovery

File and printer sharing _____

When file and printer sharing is on, files and printers that you have shared from this computer can
be accessed by people on the network.

○ Turn on file and printer sharing
◉ Turn off file and printer sharing

All Networks _____ ⌃

Public folder sharing _____

When Public folder sharing is on, people on the network, including homegroup members, can
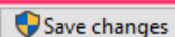access files in the Public folders.

○ Turn on sharing so anyone with network access can read and write files in the Public folders
◉ Turn off Public folder sharing (people logged on to this computer can still access these
folders)

Click [Save changes] to apply change.

Password protected sharing _____

When password protected sharing is on, only people who have a user account and password on this
computer can access shared files, printers attached to this computer, and the Public folders. To give
other people access, you must turn off password protected sharing.

◉ Turn on password protected sharing

🛡 Save changes   Cancel