

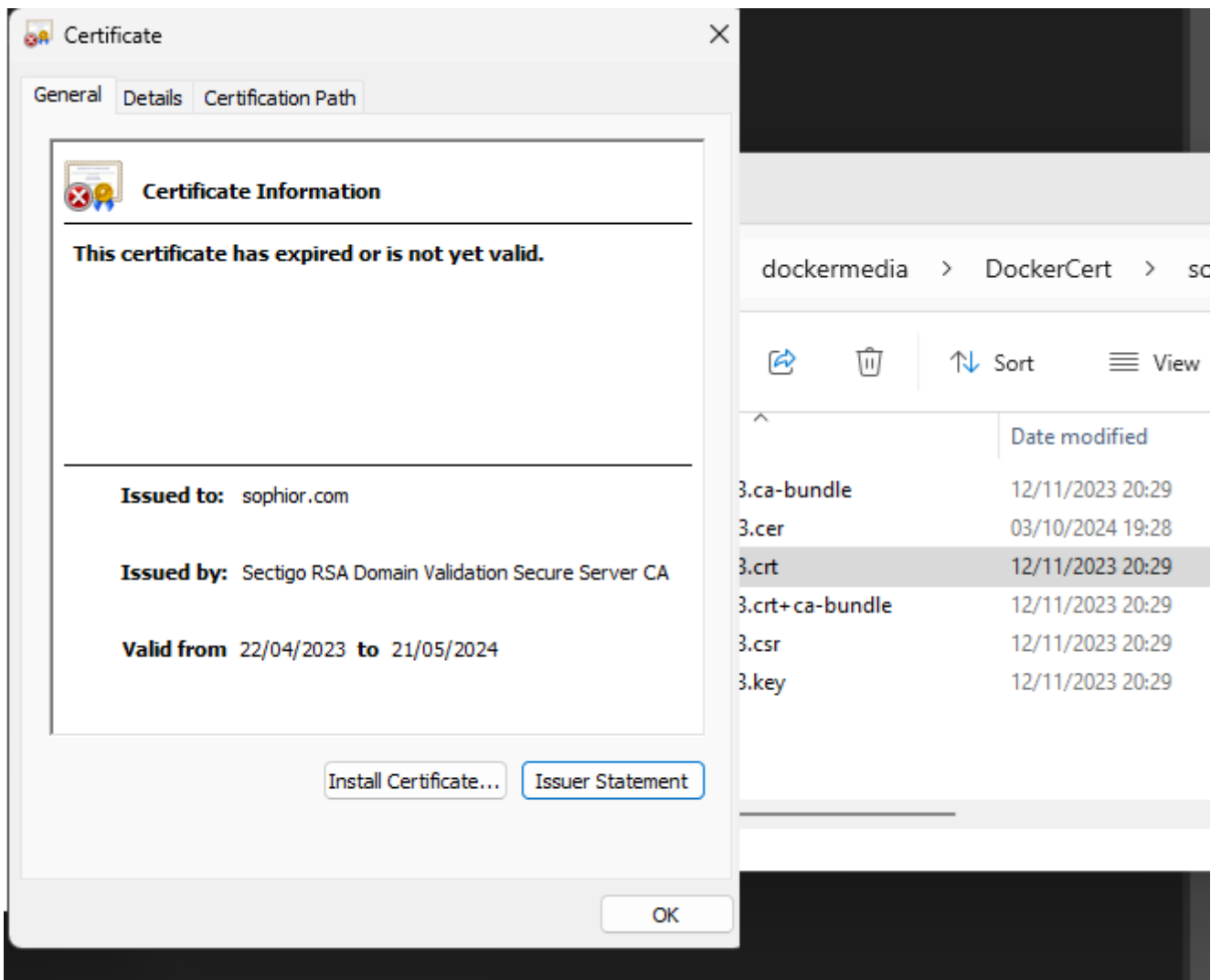
# Windows

- Transform .crt to .cer file
- RDP file autologin
- Recover data on catastrophic loss
- Change Remote Desktop port
- Passwordless login
- Make windows like it used to be (Windows 11 start menu etc)
- SMB (fileshare) is slow / capped to 10Mbit

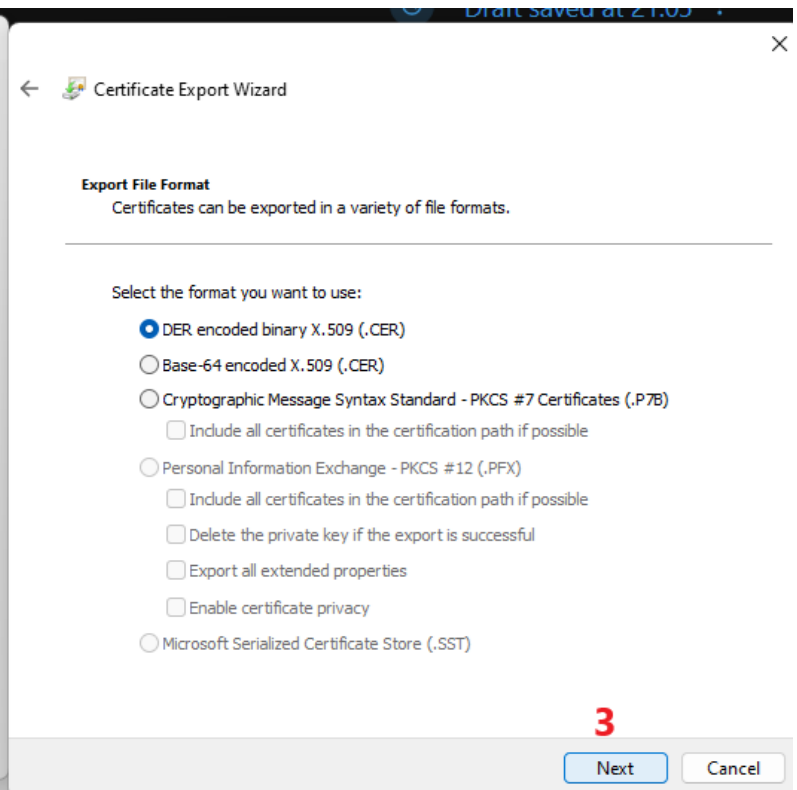
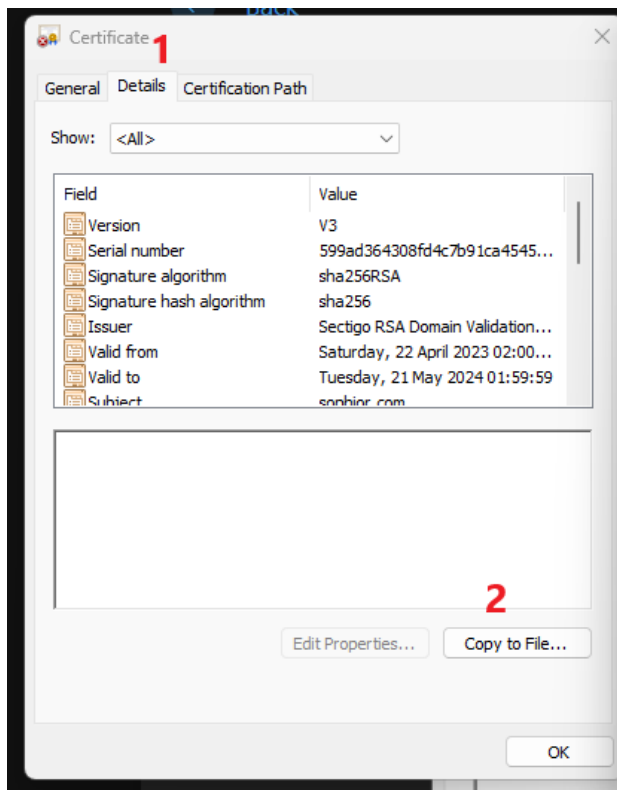
# Transform .crt to .cer file

This is a short reminder to go from one to another format in windows.

1. Locate your crt file
2. double click it, it should open the details of the certificate



3. Go to details, and "Copy to File..." a dialog will prompt which format to generate and where to store it



# RDP file autologin

For our macincloud accounts, it was cumbersome to always manually login without copy-paste ability into the session.

You will need to edit the .rdp file and generate a password hash with a program from the internet.

- Either use POWershell:

```
("MySuperSecretPassword!" | ConvertTo-SecureString -AsPlainText -Force) | ConvertFrom-SecureString;
```

- Or Get CryptRDP5

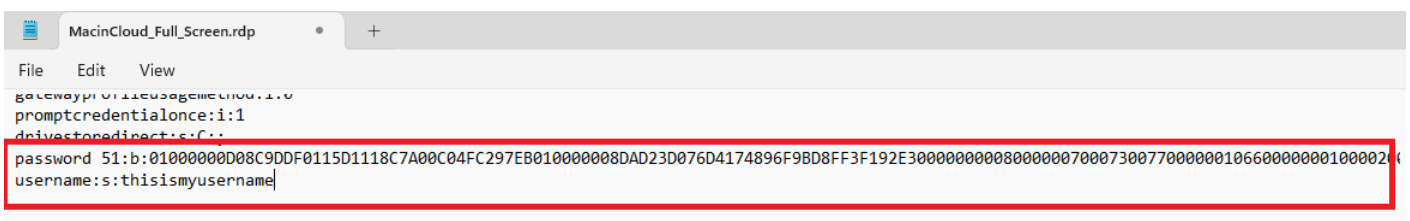
- Get the program cryptRDP5.exe
- In the location, open a command prompt to generate your password hash

```
C:\Users\Tim\Downloads>cryptRDPs.exe thisismypassword
01000000D08C9DDF0115D1118C7A00C04FC297E8010000008DAD23D076D4174896F9BD8FF3F192E30000000008000000700073007700000010660000
0001000002000000097EEAC609F5471A7E7115A2BC9D6EF8C061C21E5EC1D0F8E85FED8F887DDBFC000000000E8000000002000020000000BAEAD953
74A51B238C685D0EE1E10C36D9D4FD6C60DA47850133BA3580DA95615300000009A8EC1FCF5CFC96E47FDFB7B34AFD5878AA4CC46EBF5C2F06604F438
6C1C82CF7478C0EEF6BCBD92C6DE57E0F7AB9E5440000000676850CE8D9A52198F14A0513452F1CDBE350E4EB59824621040861A51CC1CE0CE0E6F34
B02A242C5FFE445B0313C70E0D9D7CE5AFEB6E620AA9316C86823D3

C:\Users\Tim\Downloads>
```

3. Open the RDP file with notepad and add two lines

```
password 51:b:yourhash
username:s:yourpassword
```



4. Save the file and click it - you now should've bypassed the login

# Recover data on catastrophic loss

For some reason, something went wrong and corrupted my complete USB-controller.

Booting into the BIOS or USB recovery disk, however, the keyboard and mouse worked fine.

Booting into the recovery USB drive ( see [Create installation media](#)) I've tried using dism (to install and reinstall drivers) and forcing safe-mode. Which all gave the same result: no control over the desktop. Other creative ways, but this didn't result in success.

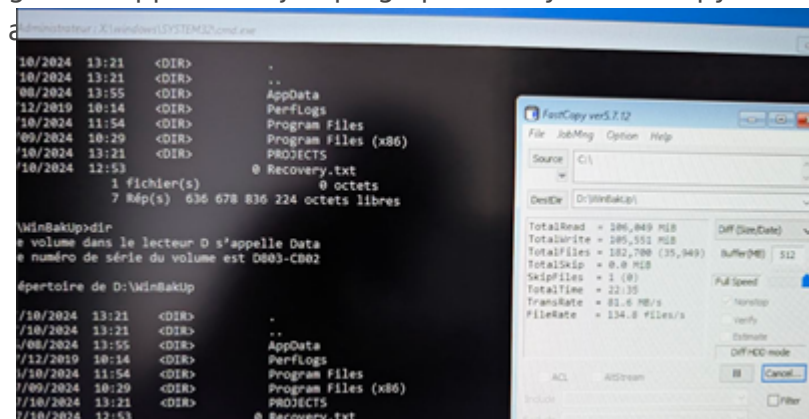
The system didn't have an active RDP host - so literally we were unable to get back into it. Luckily it has a 2-drive setup (one fast "windows" drive and a large "storage" drive).

## Recover data

If you have another PC (to create your USB drive), install [portableapps](#) on it and install the application **FastCopy** on it in a subdirectory.

(you can boot into the recovery console, unplug the USB drive, install portable apps and then plug it in again and "dir" to the application folder)

Then use the console to navigate to the path - in my case only the 64-bit version of the applications worked, and I had to "cd" into the path in order to launch it by typing the name. You then should get the application jumping open and you can copy over your files. USB is working, so you could



This should allow you to copy over your files.

### **Reinstallation of windows**

When you reinstall windows onto an existing installation, there will be a windows.old folder. According to the documentation it allows to "revert back", but I would rely on it.

### **What about the USB failure**

Mouse and keyboard worked fine, until Windows 10 fetched updates and it gave up again. So we've installed Windows 11 and configured VPN and remote desktop access to avoid this situation.

# Change Remote Desktop port

Regedit

HKEY\_LOCAL\_MACHINE\System\CurrentControlSet\Control\Terminal Server\WinStations\RDP-Tcp

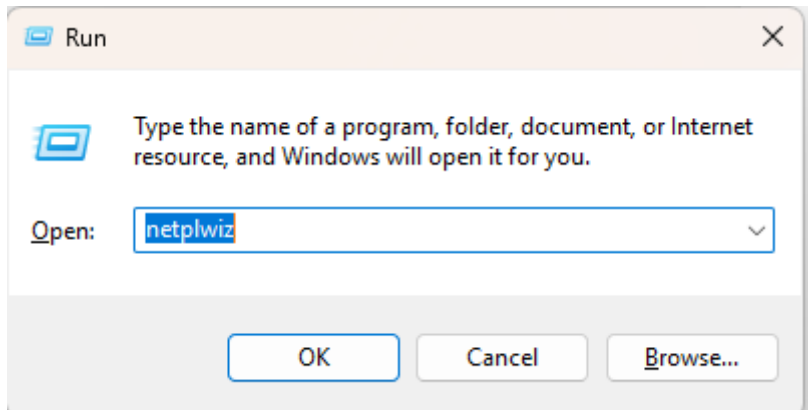
The screenshot displays a Windows 10 desktop environment. In the background, a web browser window is open to a Microsoft Learn article titled "Change the listening port for Remote Desktop on your computer". The article's URL is <https://learn.microsoft.com/en-us/windows-server/remote/remote-desktop-services/clients/change-listening-port>. The article includes a sidebar with navigation links, a main content area with the title and a brief introduction, and a right-hand sidebar with "Additional resources" and "Training" links. In the foreground, the Windows Registry Editor is open, showing the path `Computer\HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Terminal Server\WinStations\RDP-Tcp`. The right pane displays a list of registry values, including `PortNumber` (REG\_DWORD) with a value of `0x00000000`. A small dialog box titled "Edit DWORD (32-bit) Value" is open over the `PortNumber` value, showing the "Value name" as `PortNumber` and the "Value data" as `3389`. The dialog box has radio buttons for "Base" (Hexadecimal and Decimal), with "Decimal" selected. The "OK" and "Cancel" buttons are visible at the bottom of the dialog box. The taskbar at the bottom shows the Start button, several pinned applications, and the system tray with the date and time (01:05, 29/10/2024).

# Passwordless login

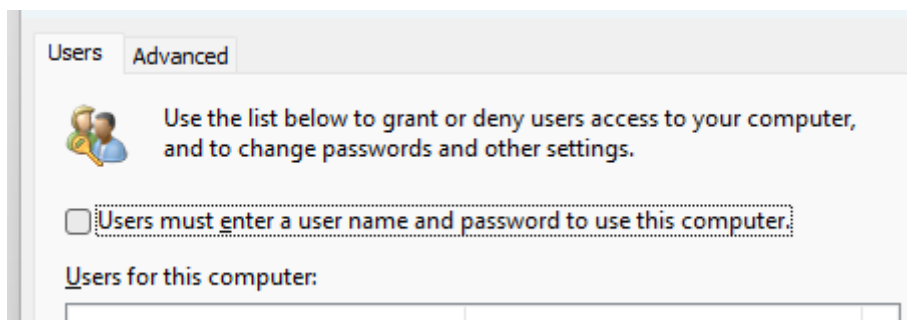
Set DevicePasswordLessBuildVersion to 0

```
Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion>PasswordLess\Device
```

run netplwiz



and uncheck



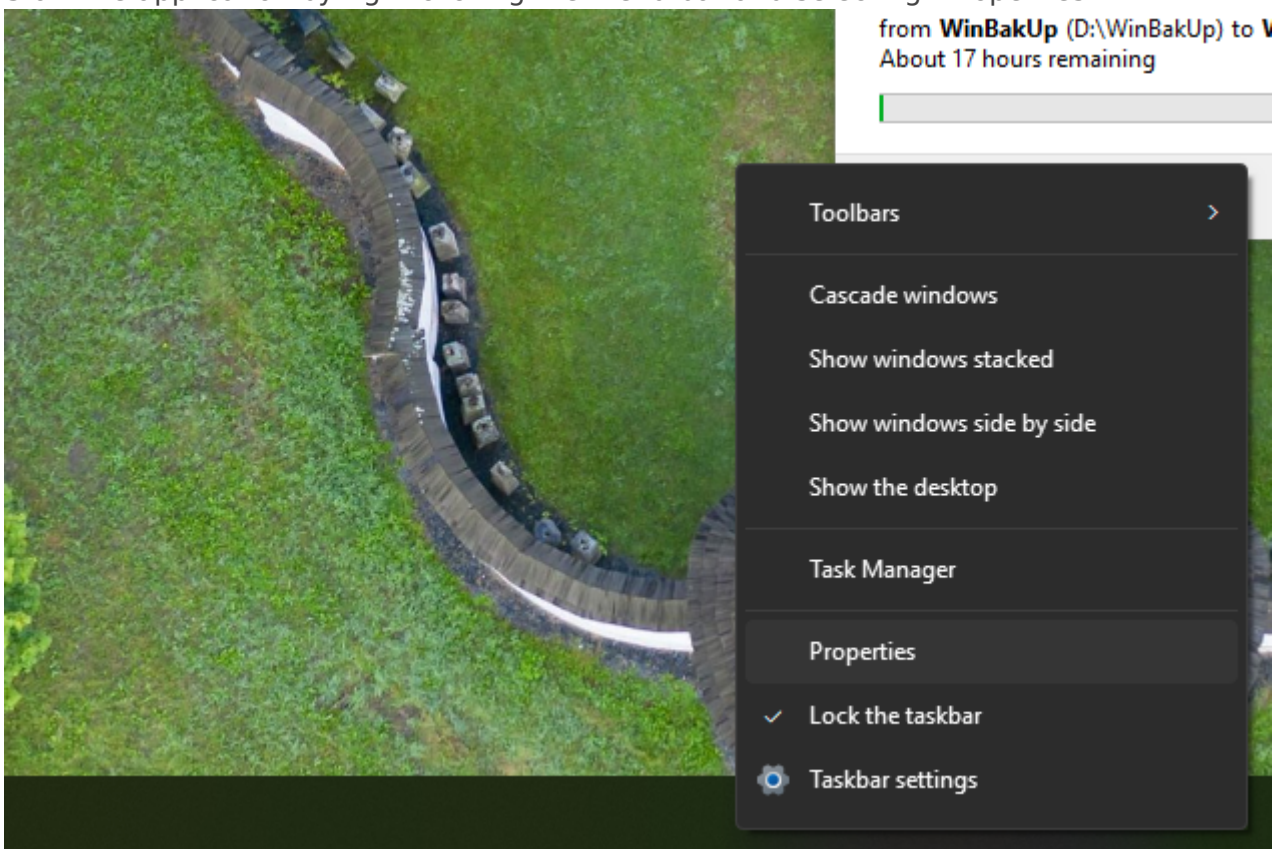


# Make windows like it used to be (Windows 11 start menu etc)

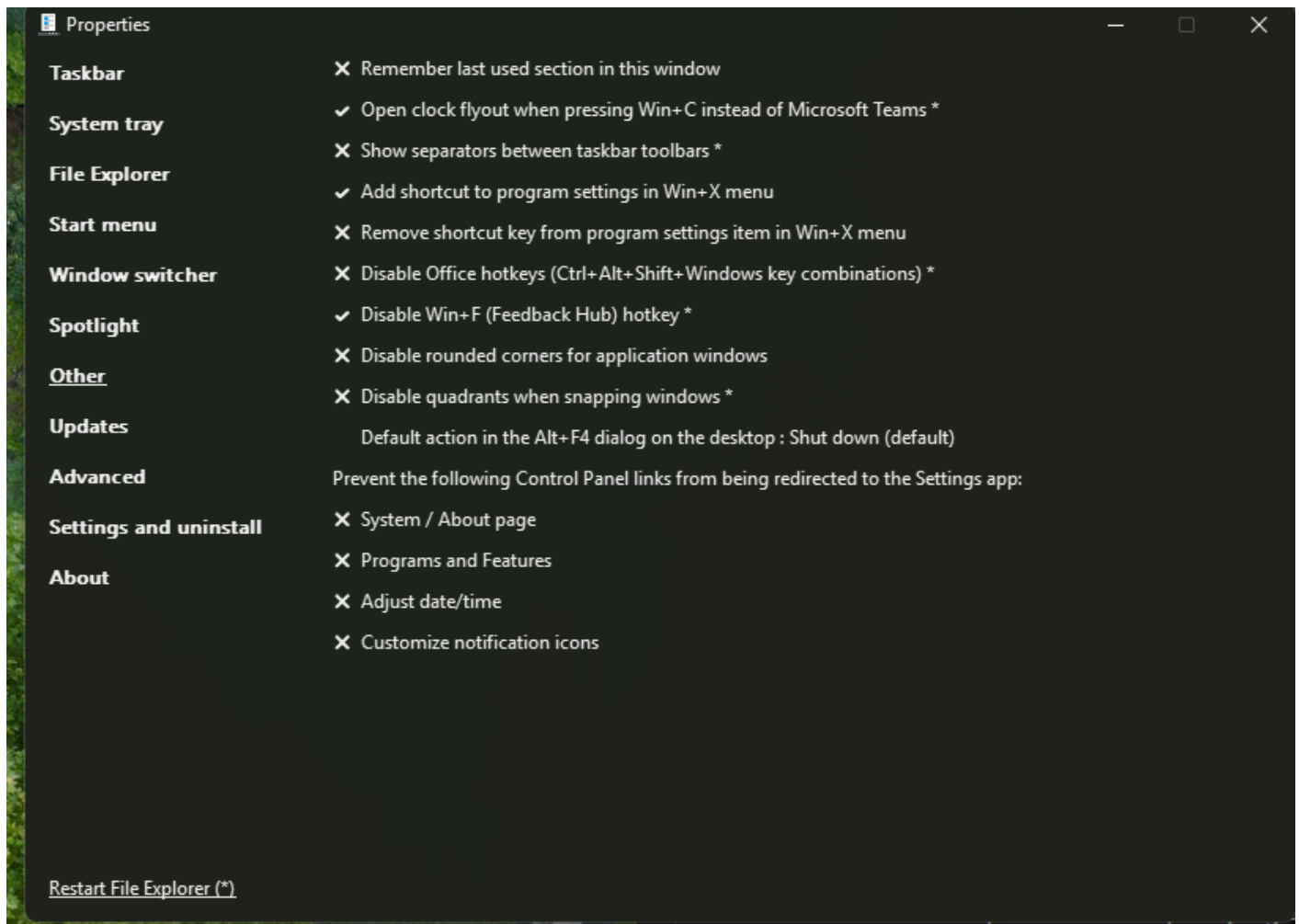
Windows 11 feels nice, but the start-menu and context menu integrations always get in the way.

The following app allows to completely set the behaviors to your hand and remove the annoying "features"

1. Install ExplorerPatcher from here <https://github.com/valinet/ExplorerPatcher>
2. Install as administrator
3. Start the application by right-clicking the menu bar and selecting "Properties"



4. Configure as you like



# SMB (fileshare) is slow / capped to 10Mbit

Open powershell as administrator:

```
Set-SmbClientConfiguration -EnableBandwidthThrottling 0 -EnableLargeMtu 1
```

[Read more:](#)

```
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\LanmanWorkstation\Parameters
```

EnableSecuritySignature → should be 0

RequireSecuritySignature → should be 0