

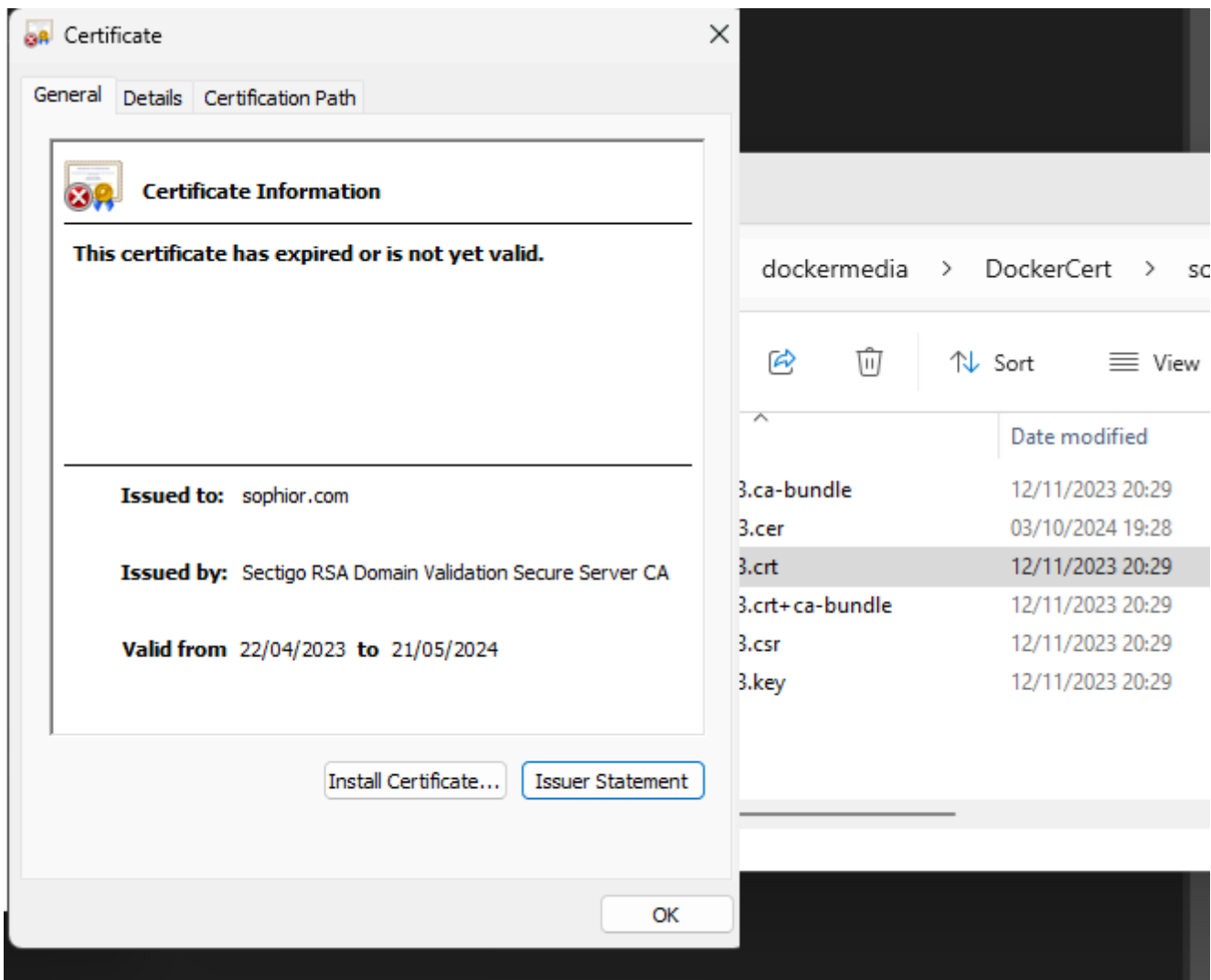
Windows

- 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
- Turn off web search in start menu

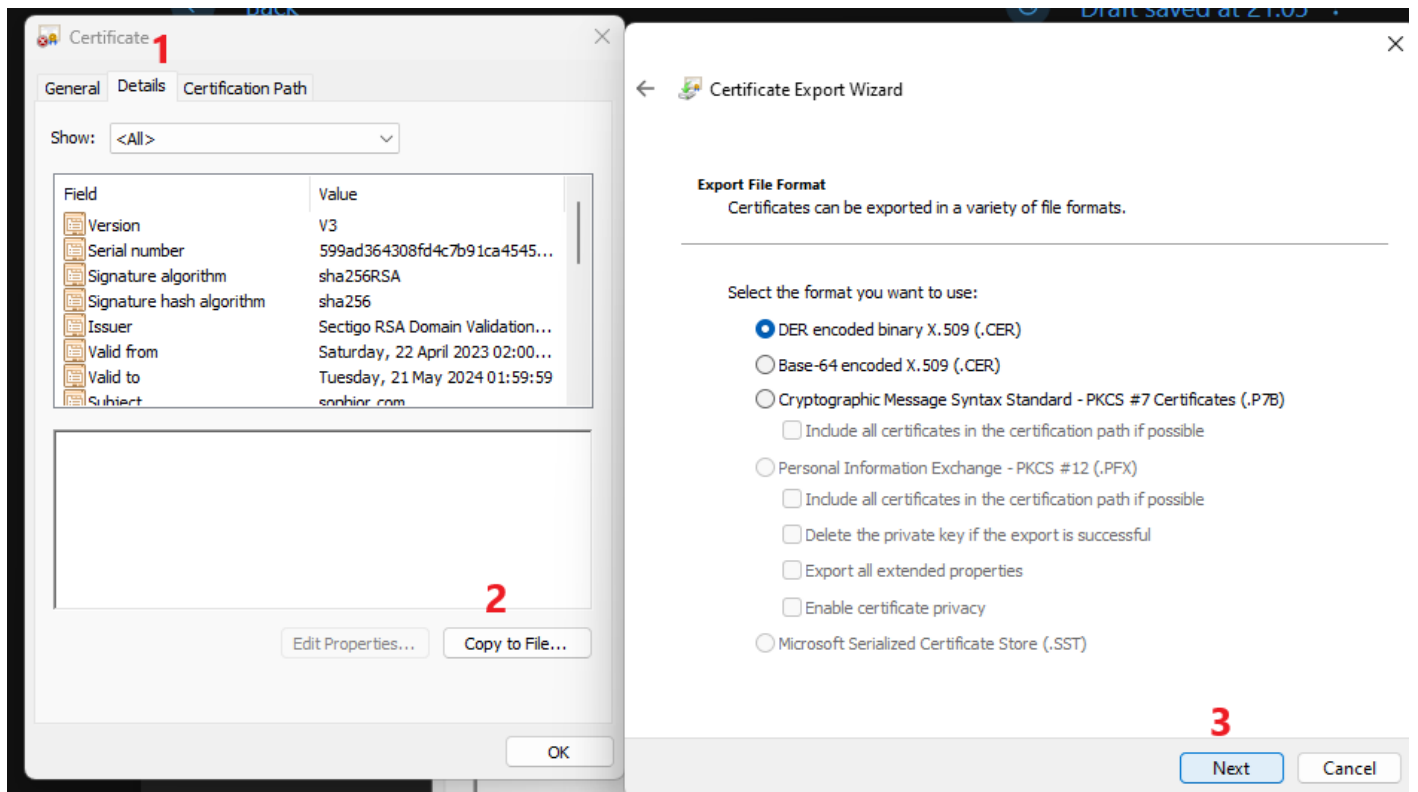
Transform .crt to .cer file

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

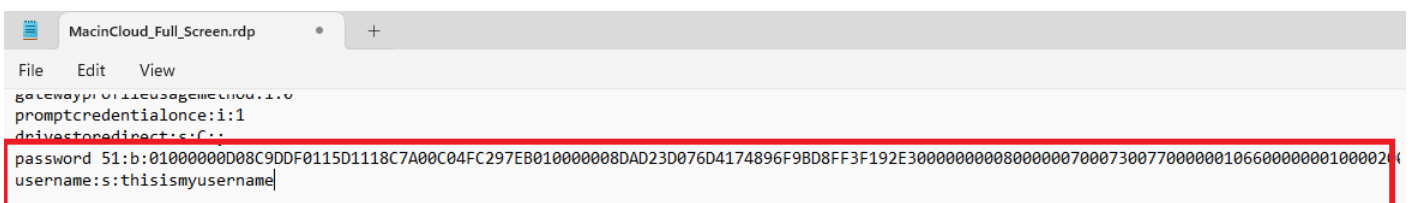
- Get the program [cryptRDP5.exe](#)
- In the location, open a command prompt to generate your password hash

```
C:\Users\Tim\Downloads>cryptRDP5.exe thisismypassword
01000000D08C9DDF0115D1118C7A00C04FC297EB010000008DAD23D076D4174896F9BD8FF3F192E30000000008000000700073007700000010660000
000100002000000097EEAC609F5471A7E7115A2BC9D6EF8C061C12E5EC1D0F0BE85FED8F887DD8FC000000000E8000000002000020000000BAEAD953
74A51B238C685D0EE1B0C36D9D4FD6C60DA47850133BA3580DA956153000000009A8EC1FCF5CFC96E47FDFB7B34AFD5878AA4CC46EBF5C2F06604F438
6C1C82CF7478C0EEF6BCBD92C6DE57E0F7AB9E5440000000676850CE8D9A52198F14A0513452F1CDBE350E4EB59824621040861A51CC1CE0CE0E6F34
B02A242C5FFEF445B0313C70E0D9D7CE5AFEB6E620AA9316C86823D3

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.

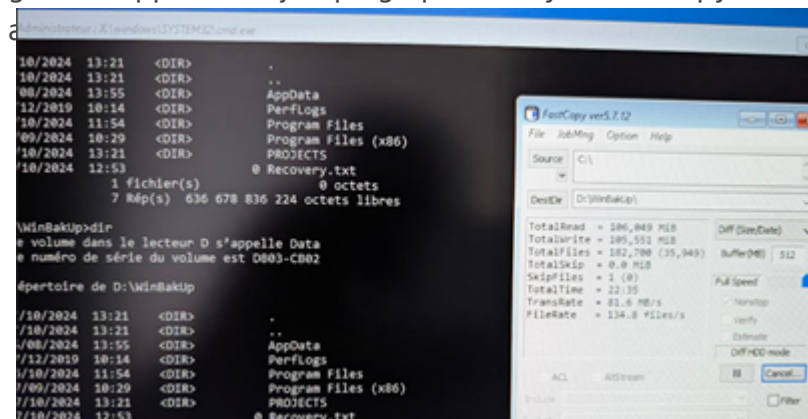
The system didn't have an active RDP host - so literally we were unable to get back into it. Luckily it has a 2-drive setup (one fast "windows" drive and a large "storage" drive).

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

Change the listening port for Remote Desktop on your computer

Article • 07/03/2024 • 11 contributors

Additional resources

Training

Module

Employ remote management - Training

This module demonstrates the various tools for connecting remotely to a Windows client.

Filter by title

Remote Desktop Services

- Get started
- Plan and design
- Build and deploy
- Run and tune
- Access your Remote Desktop resources
 - Available Remote Desktop clients
 - Microsoft Store client
 - Android client
 - iOS client
 - macOS client
 - Web client
 - Remote Desktop Connection client for Windows (MSTSC)
 - Setting up your PC for Remote Desktop
 - Supported PCs
 - Grant Remote Desktop access to your PC
 - Grant access to your PC from outside your network
 - Change the RD listening port on your PC
 - Advanced information
 - Known issues

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Registry Editor

Computer\HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Terminal Server\WinStations\RDP-Tcp

Name	Type	Data
KeepAliveTimeo...	REG_DWORD	0x00000000 (0)
KeyboardLayout	REG_DWORD	0x00000000 (0)
LandIdgater	REG_DWORD	0x00000000 (0)
LoadableProtoc...	REG_SZ	{5828227c-20d4-4408-b73f-73ab70b8849f}
MaxConnectio...	REG_QWORD	0x00000000 (0)
MaxDisconnec...	REG_QWORD	0x00000000 (0)
MaxIdleTime	REG_QWORD	0x00000000 (0)
MaxInstanceCo...	REG_DWORD	0xffffffff (4294967295)
MaxMonitors	REG_DWORD	0x0000000a (10)
MinEncryptionL...	REG_DWORD	0x00000002 (2)
NWLoginServer	REG_SZ	
OutBufCount	REG_DWORD	0x00000006 (6)
OutBufDelay	REG_DWORD	0x00000064 (100)
OutBufLength	REG_DWORD	0x00000212 (530)
Password	REG_SZ	
PdClass	REG_DWORD	0x000
PdClass1	REG_DWORD	0x000
PdDLL	REG_SZ	tsctcp
PdDLL1	REG_SZ	tsctcp
PdFlag	REG_DWORD	0x000
PdFlag1	REG_DWORD	0x000
PdName	REG_SZ	tcp
PdName1	REG_SZ	tsctcp
PortNumber	REG_DWORD	0x000
Security	REG_BINARY	01 00
SecurityLayer	REG_DWORD	0x00000001 (1)
SelectNetworkD...	REG_DWORD	0x00000001 (1)
SelectTransport	REG_DWORD	0x00000002 (2)
Shadow	REG_DWORD	0x00000001 (1)
UserAuthenticat...	REG_DWORD	0x00000001 (1)
Username	REG_SZ	
WidFlag	REG_DWORD	0x00000036 (54)
WidName	REG_SZ	Microsoft RDP 8.0
WidPrefix	REG_SZ	RDP
WebSoccketListe...	REG_DWORD	0x00000043b (3387)
WFPProfilePath	REG_SZ	0x000000440 (3392)

Edit DWORD (32-bit) Value

Value name: PortNumber

Value data: 3389

Base: ☐ Hexadecimal ☒ Decimal

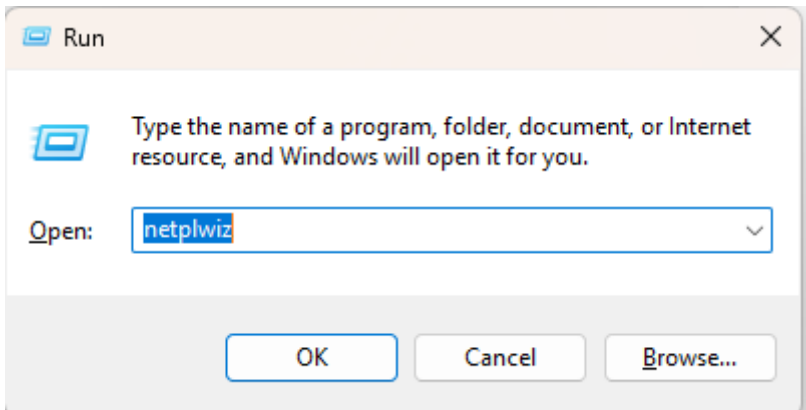
OK Cancel

Passwordless login

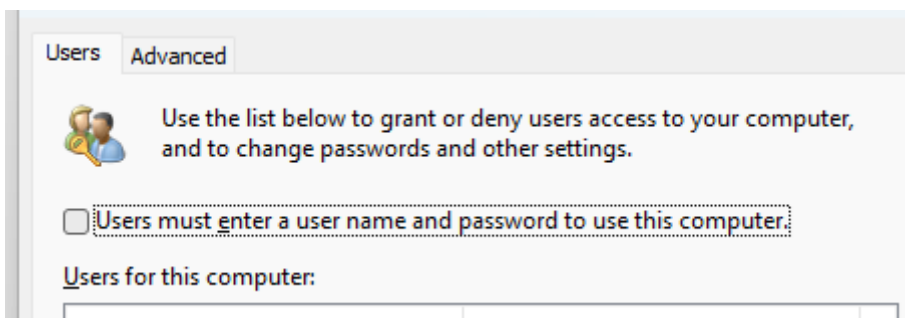
Set DevicePasswordLessBuildVersion to 0

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

run netplwiz



and uncheck

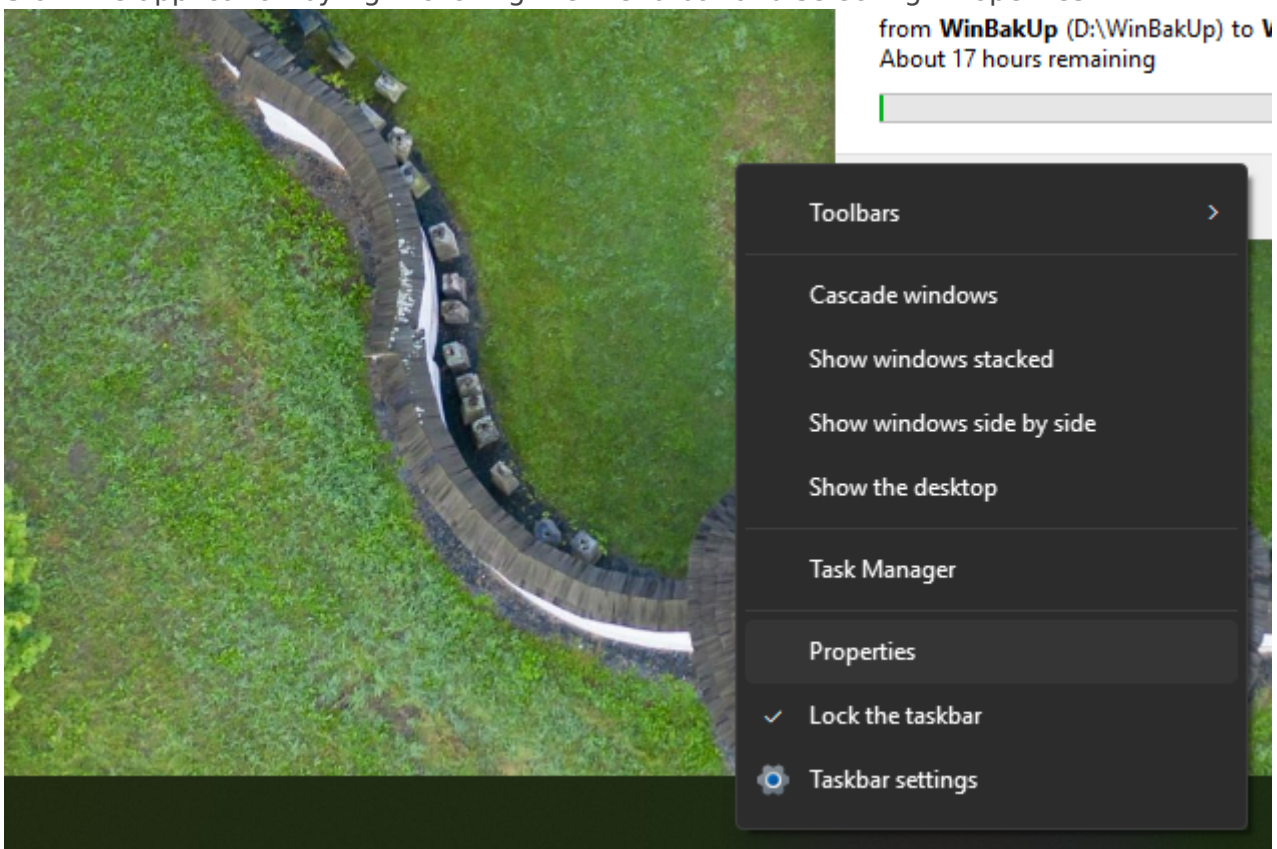


Make windows like it used to be (Windows 11 start menu etc)

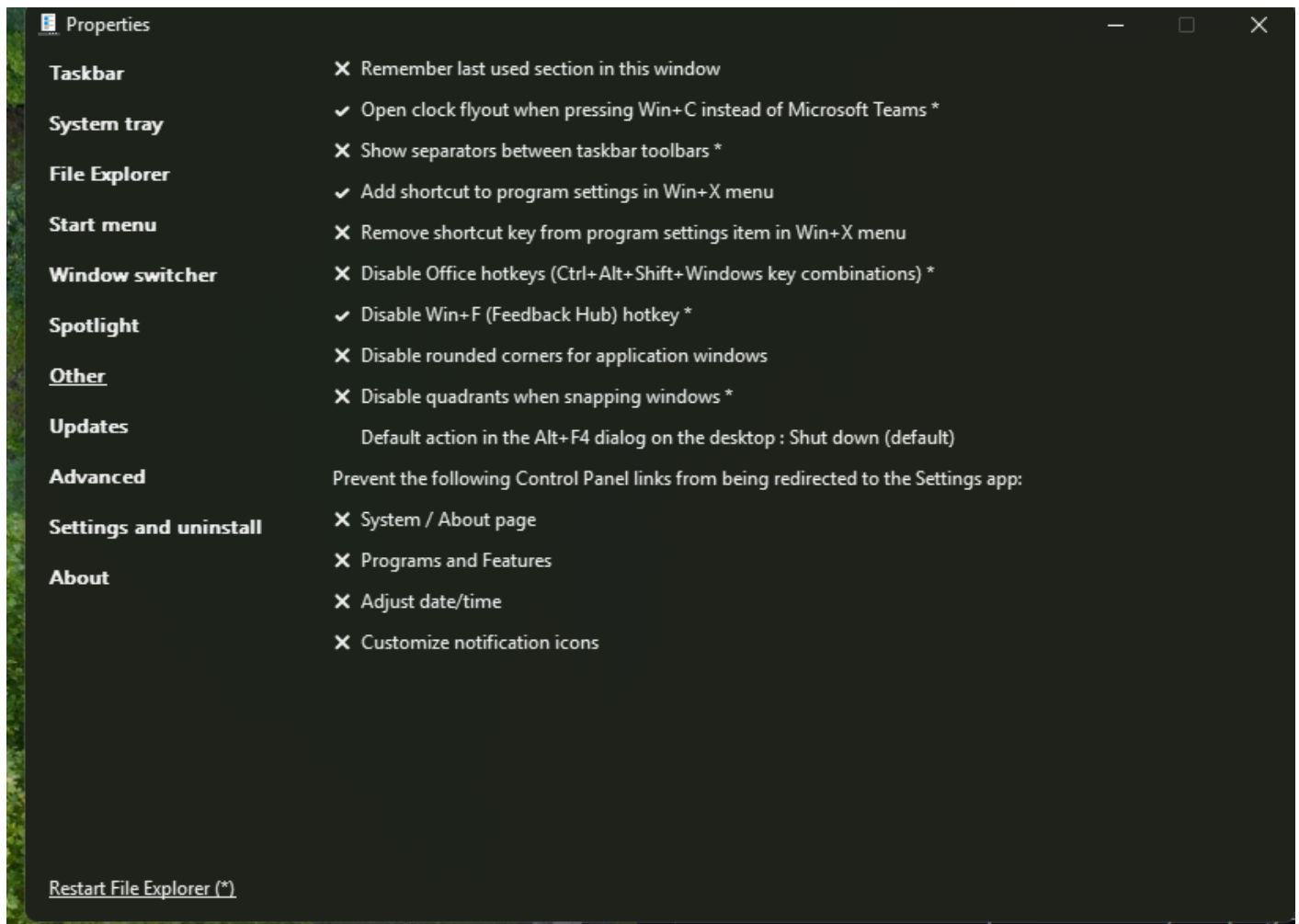
Windows 11 feels nice, but the start-menu and context menu integrations always get in the way.

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

Turn off web search in start menu

regedit

Computer\HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Search

Create DWORD:

- BingSearchEnabled=0
- CortanaConsent=0