Sharing of internet connection with a payment terminal
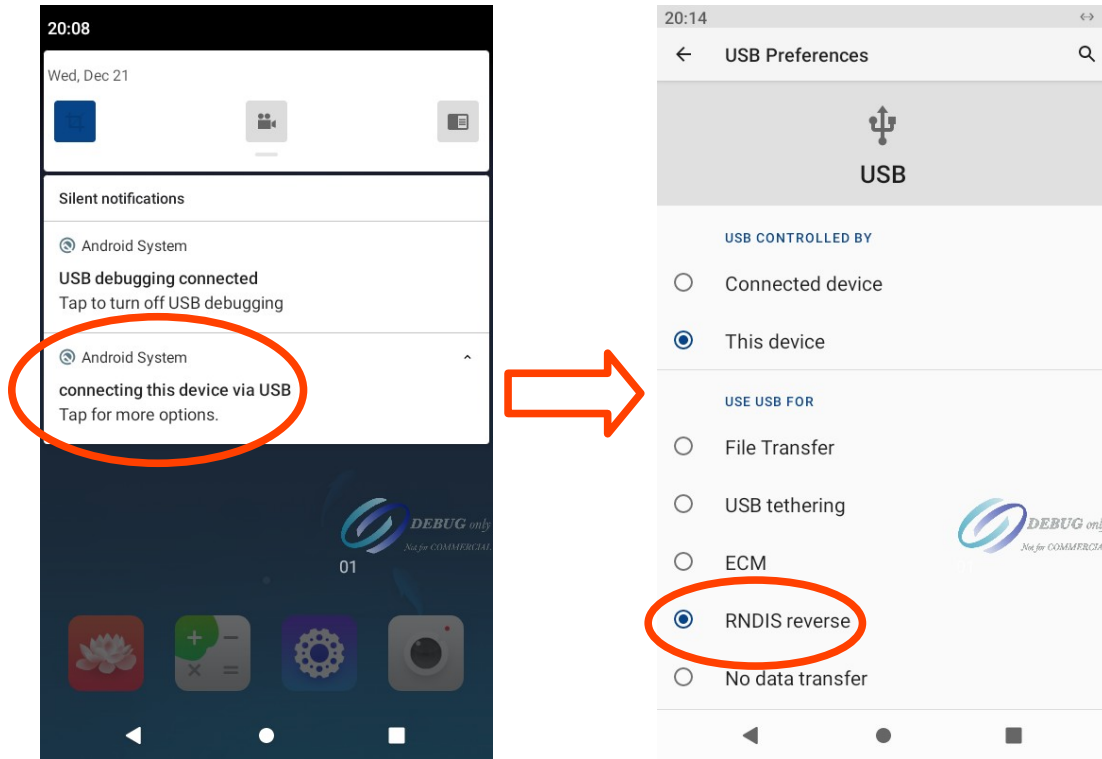
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Date	Version	Note
2022-12-21	0.1	Initial version, Windows configuration description

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1. Payment terminal RNDIS configuration

1. Connect the payment terminal to the PC USB port.

2. On the payment terminal drop-down menu, tap the USB connection options and next select the *RNDIS reverse* option.


3. Set Ethernet IP to DHCP

Go to *Settings → Network and Internet → Ethernet → Ethernet Configuration* and select *DHCP*.
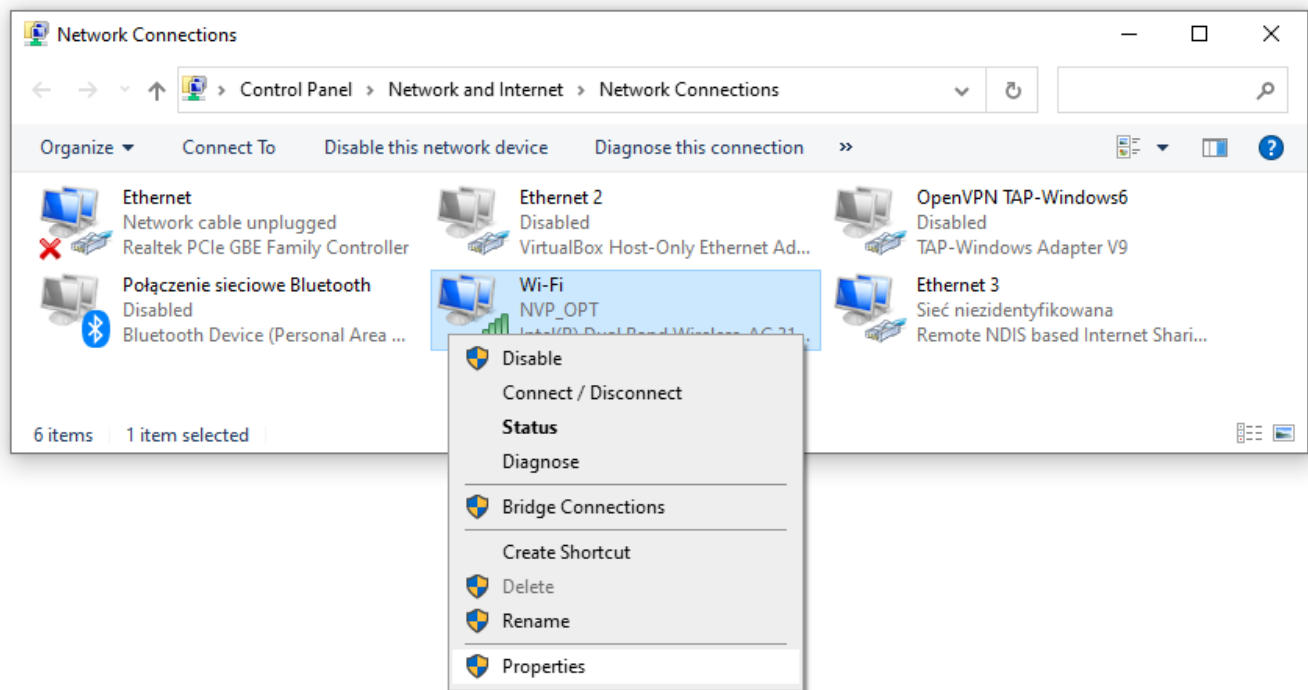
2. Windows PC RNDIS configuration

1. On the Windows computer, open **Network Connections** window:

- Click the Start menu and type *View network connections*
- Alternatively, open *Control Panel → Network and Internet → Network and Sharing Center* and click *Change adapter settings*
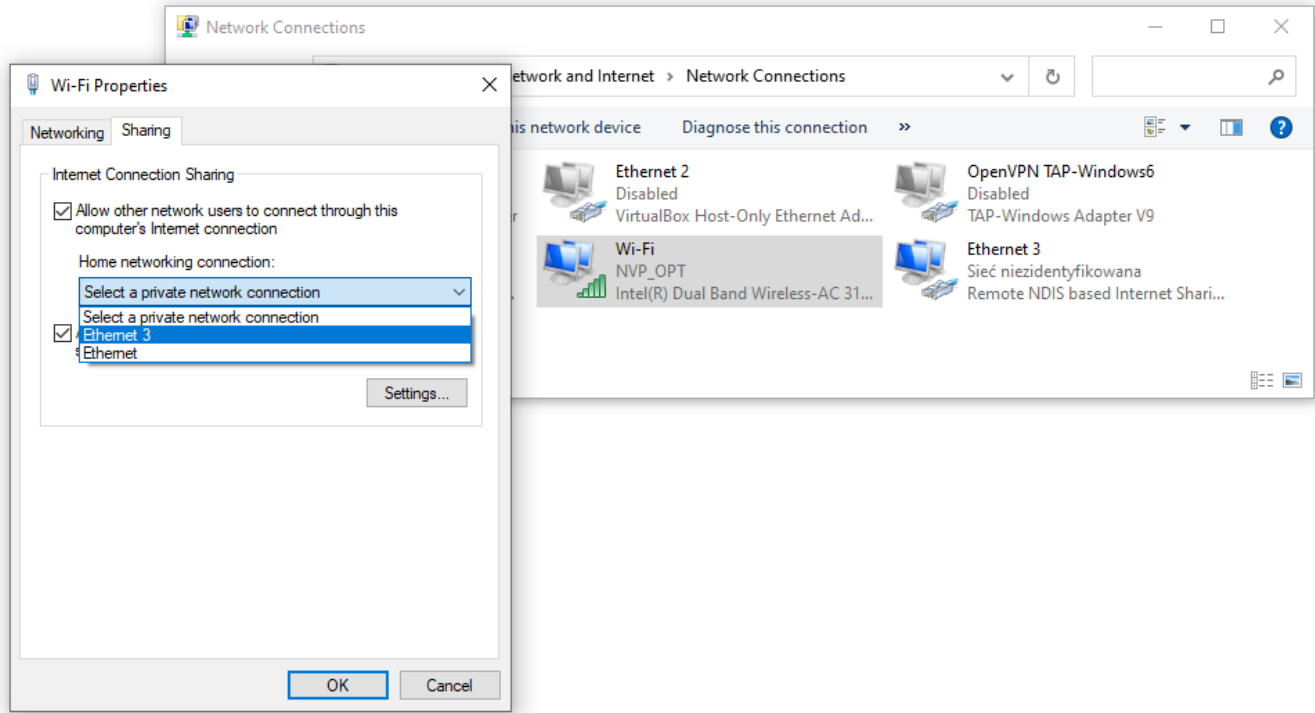
A new network connection should be available; in this case, *Ethernet 3* is the new one:
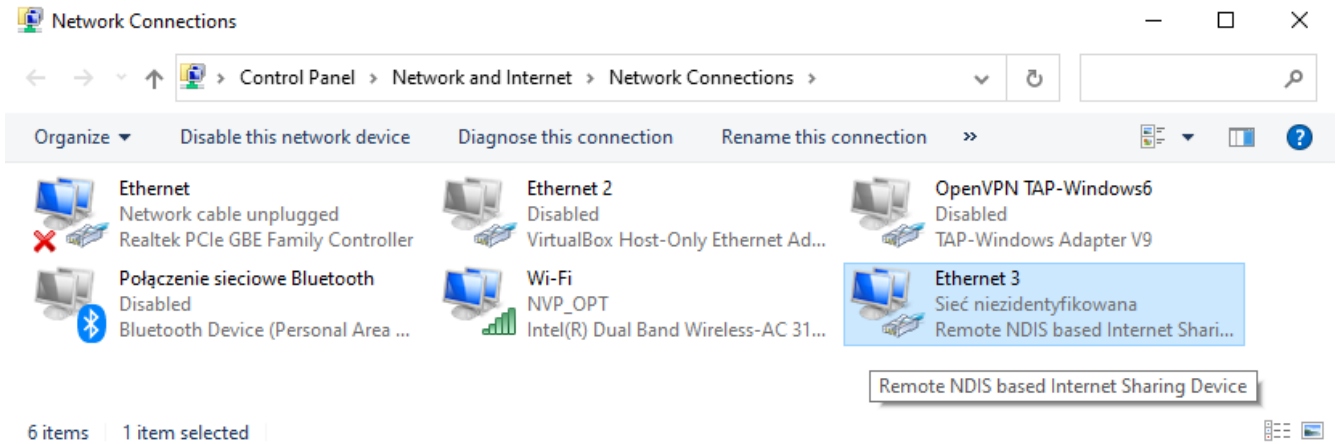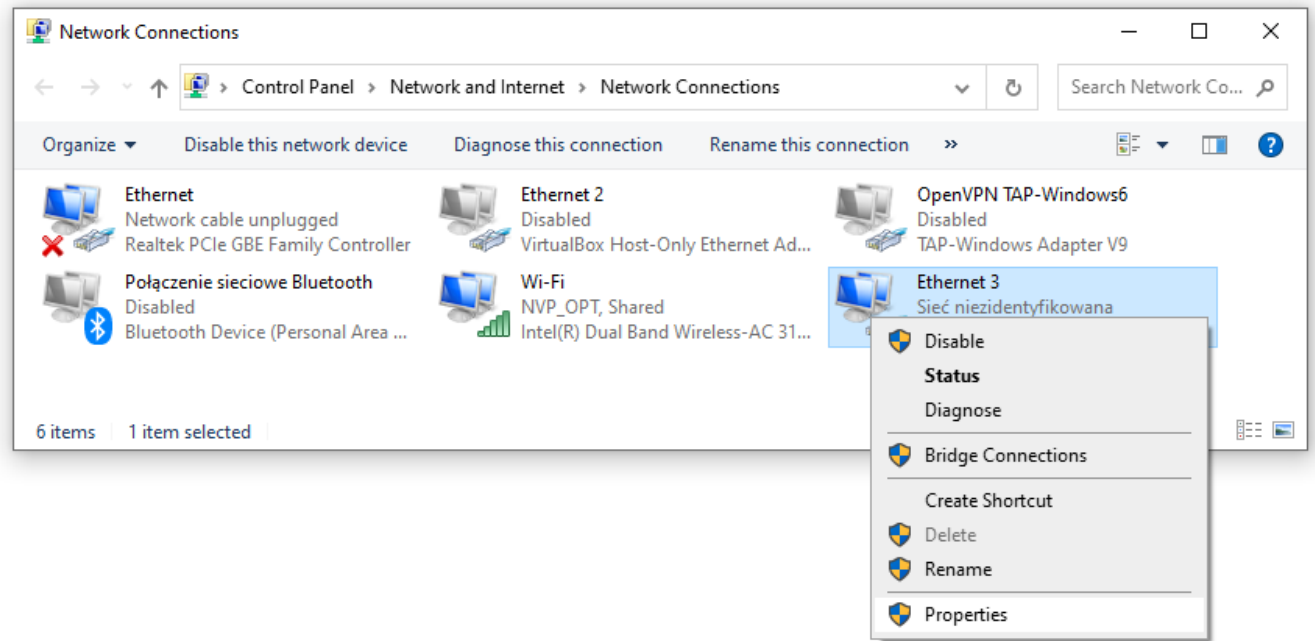

2. Right click the connection with internet access and share it to the payment terminal connection. In this case, *NVP_OPT* is the connection with the internet access:
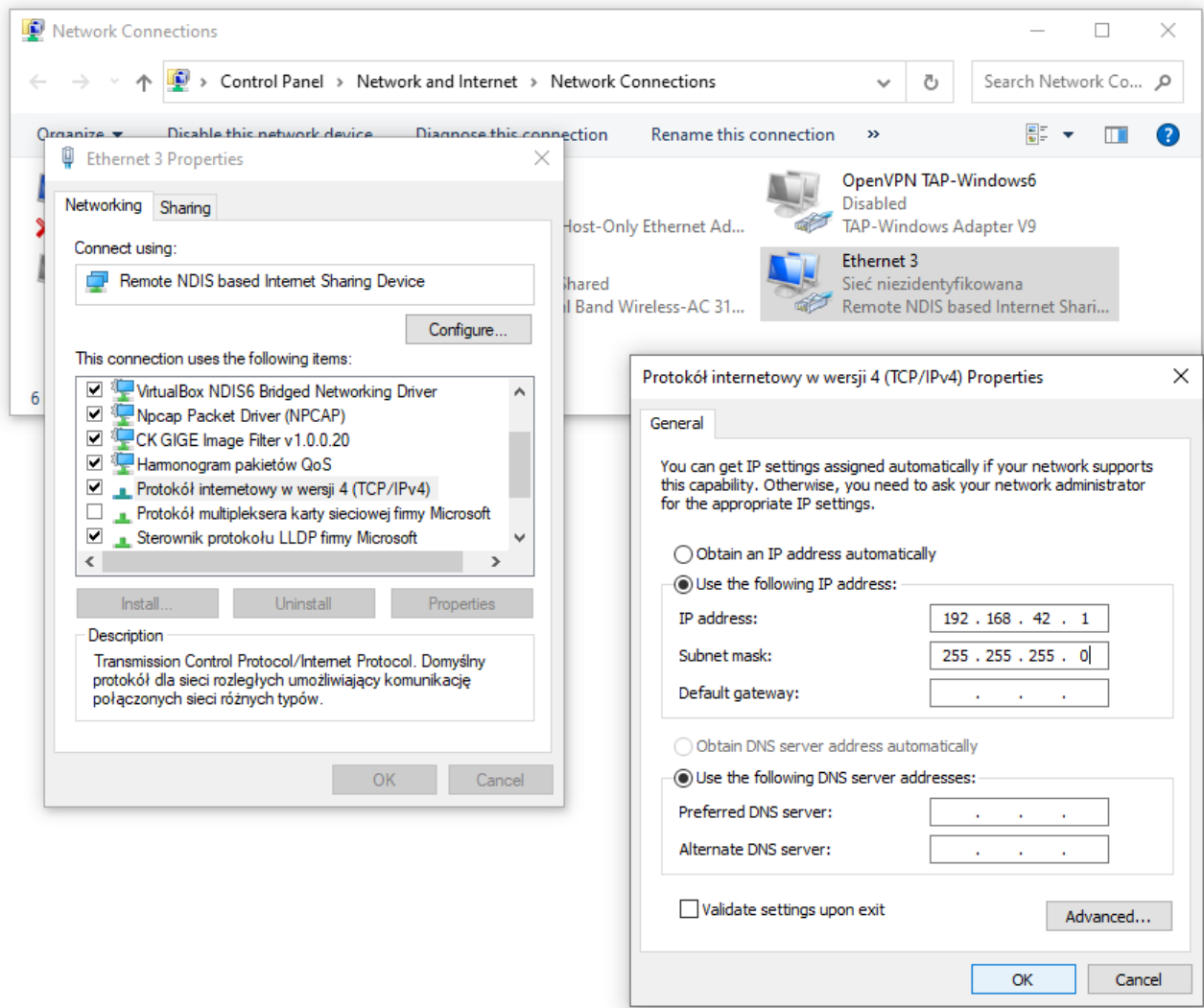
Select the payment terminal RNDIS connection.

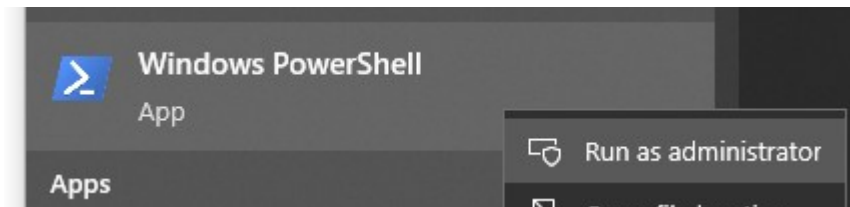**3.** Configure the payment terminal connection. Static IP **192.168.42.1**, netmask **255.255.255.0**

The payment terminal should now have internet access.

3. Windows persistent internet connection sharing

How to make ICS available event after PC reboot.

1. Open Windows Power Shell with administrative privileges.


2. Run the following command:

```
New-ItemProperty -Path HKLM:\Software\Microsoft\Windows\CurrentVersion\
SharedAccess -Name EnableRebootPersistConnection -Value 1 -PropertyType dword
```

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3. Open Services

Type *Services* in Start menu or open the Run command by pressing Windows + R and type Services.msc and hit enter. This will open the Services management console.

4. Look for the ***Internet Connection Sharing*** *service (ICS)*. Double click to open its properties.

5. Set startup type to ***Automatic***.
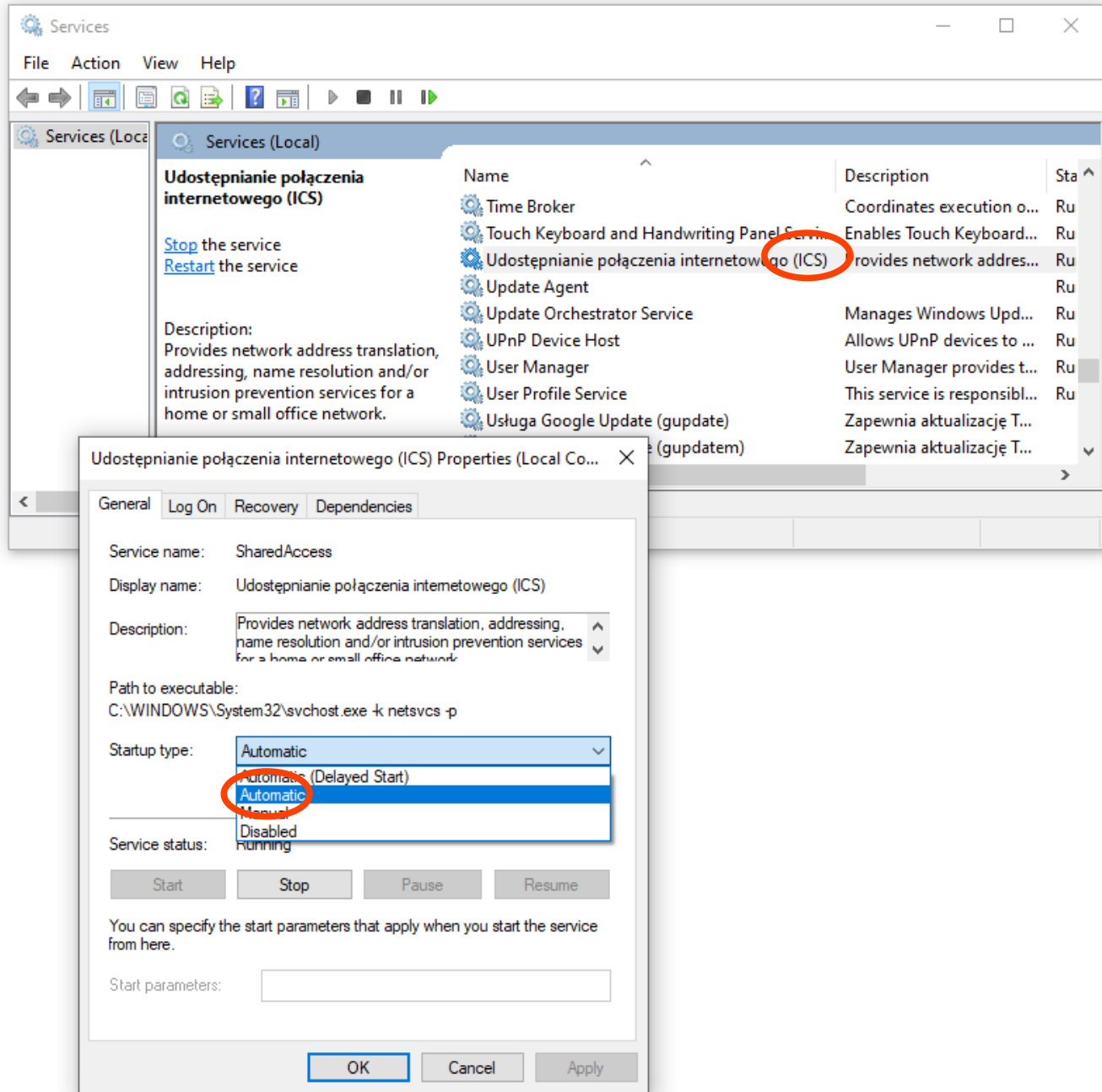
The *Internet connection sharing* service will run automatically at Windows startup.