How to connect to the ResEI

Wired – 802.1X

This guide is intended for ResEI users who wish to connect a device compatible with the 802.1X standard. Game consoles, which do not comply with this standard, are therefore not targeted by this guide. Please refer to a ResEI administrator to connect these devices to the network.

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1 Configuration on Windows

This section describes how to set up wired 802.1X on Windows 10. The procedure is similar on earlier versions of Windows.

> *To use wired 802.1X on Windows, it is necessary to enable the service managing authentication (disabled by default) and configure the network interface to use the right authentication protocol.*

1.1 Activation of the authentication service

First, search for "services" in the Windows search bar, and open the services console (figure 1).

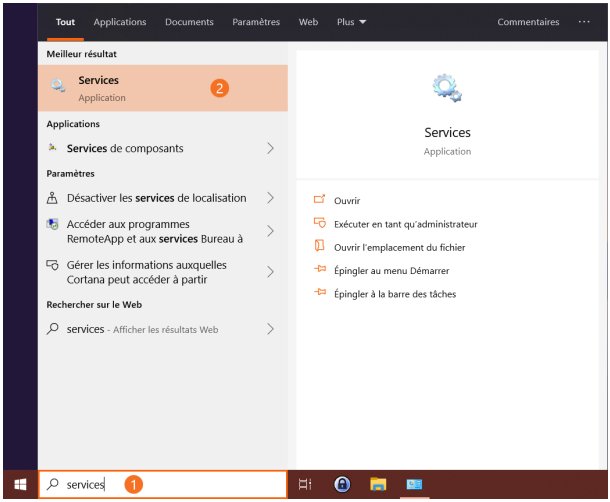

Figure 1: Launch of the services console

Then you need to activate the "Wired AutoConfig" service. To do so, you have to locate it in the services console, access its properties (figure 2), define its startup type to automatic and start it (figure 3).

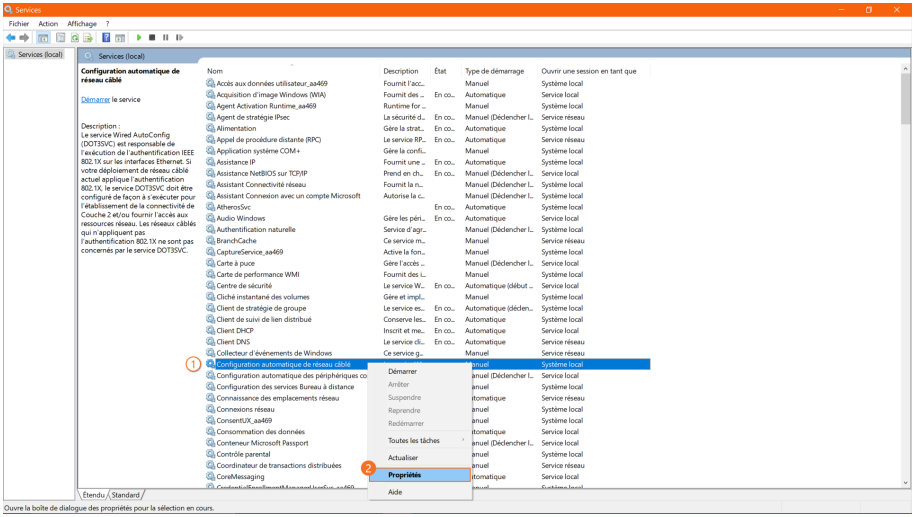

Figure 2: Access to the service properties

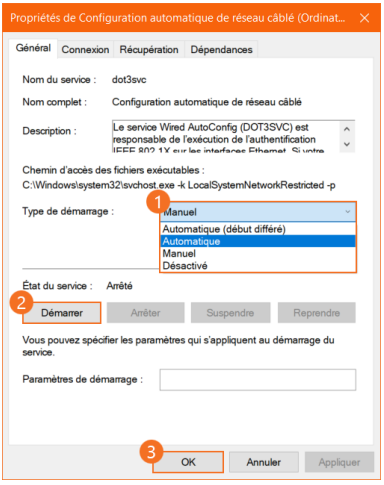

Figure 3: Service startup

1.2 Network interface configuration

Once the service is activated and started, search for "network connections" in the Windows search bar and open the corresponding panel (figure 4).

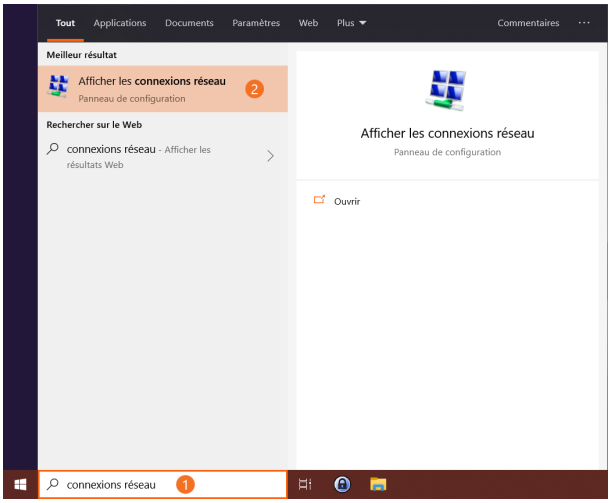

Figure 4: Access to network interfaces

You then need to locate the network interface used to connect to the LAN, usually called "Ethernet", and access its properties (figure 5).

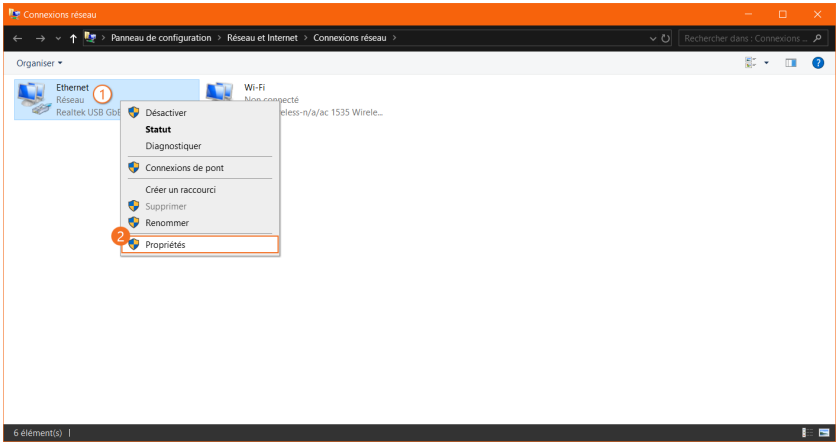

Figure 5: Access to network interface properties

Click on the "Authentication" tab (figure 6). If it is not available, please check the previous steps. Then,

— Check "Enable IEEE 802.1X authentication";
— Access the network authentication settings and uncheck "Verify the server's identity by validating the certificate", then confirm (figure 7);
— Go to "Additional Settings" and select "User authentication" from the drop-down list, then validate (figure 8);
— Confirm the settings.

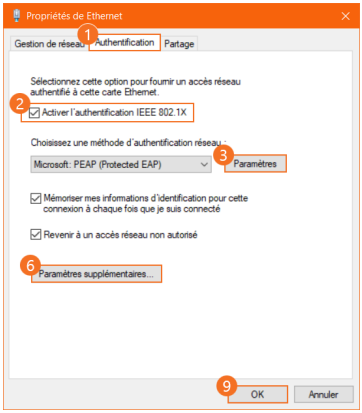

Figure 6: Authentication setup on the network interface

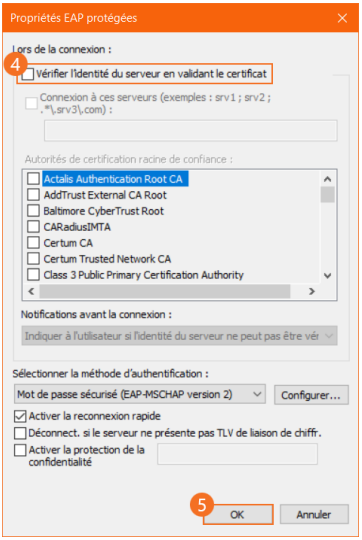

Figure 7: Certificate configuration

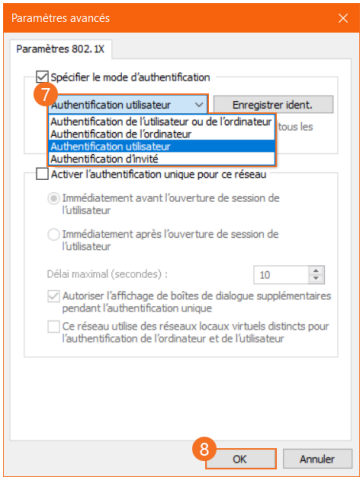

Figure 8: Advanced authentication configuration

1.3 Connection to the wired network

The network interface is now configured to authenticate using 802.1X on the ResEl. The first time you connect, a security window should open. Click on "Connect" to continue (figure 9).

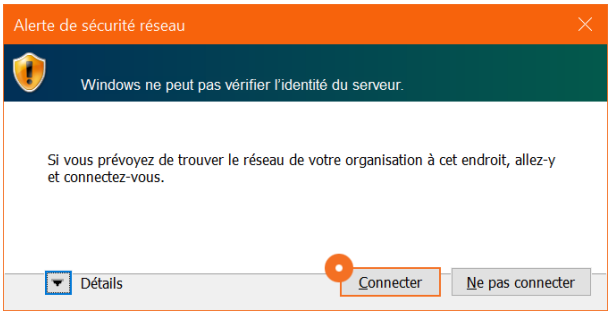

Figure 9: Windows alert about server certificate validation

Finally, a window should open asking for your credentials (figure 10). If it is not the case or if the authentication does not seem to be successful, disconnect and reconnect the Ethernet cable.

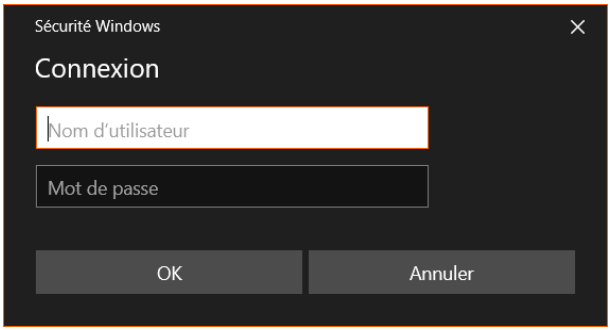

Figure 10: ResEl Authentication

Voilà! You can now enjoy our very high speed connection.

2 Configuration on macOS

On a Mac, the procedure is simplified: all you have to do is plug your cable in, and a window will open asking for your credentials (figure 11).

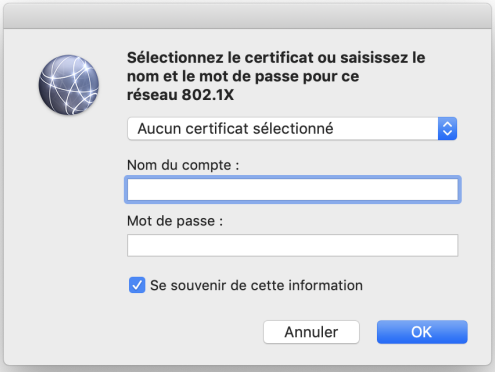

Figure 11: Connection window on macOS

Voilà! You can now enjoy our very high speed connection.

3 Configuration on Linux

Due to the very diverse nature of Linux distributions and their interfaces, no universal guide can be written. However, we will be happy to help you if you have difficulties configuring your system, so please feel free to come and find us.

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