

# Mapping CtrlX WebDAV folder using MS Windows built in tools

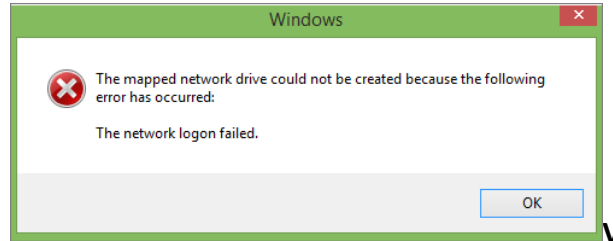
(e.g. map network drive or connect to web resource)

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## Problem description

Mapping of a network drive fails when a user tries to map a CtrlX WebDAV folders on MS Windows computer. The mapping fails with the following error after entering the credentials.



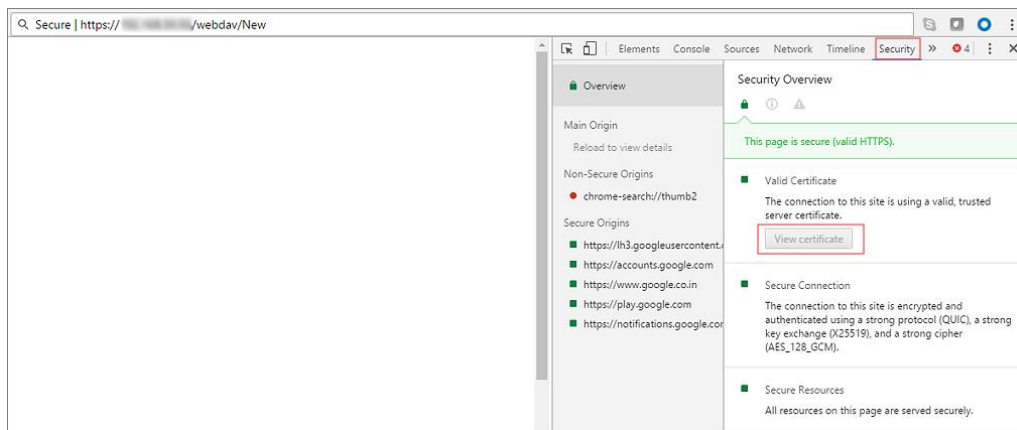
## Cause

The error is displayed when e.g. CtrlX unit is using a self-signed certificate.

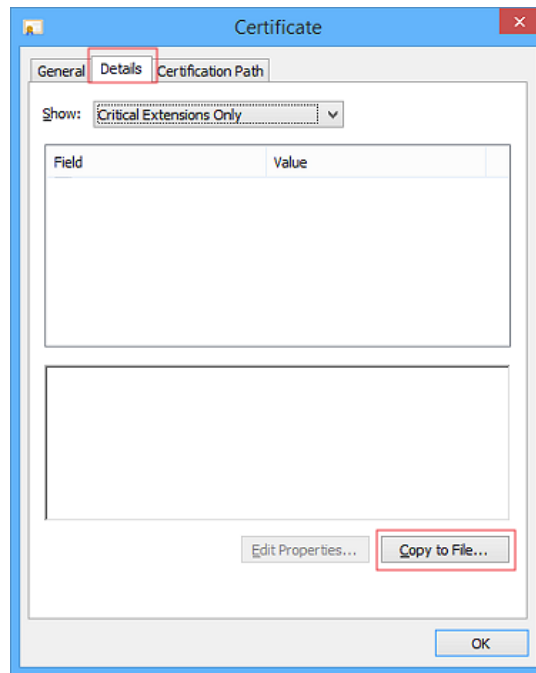
## Resolution

Perform the following steps on the destination to resolve the issue:

1. Open the WebDAV link to your CtrlX unit (example IP 192.168.99.203)  
e.g. <https://192.168.99.203/solutions/>  
(the best would be Chrome browser).
2. Open Developer Tools on your browser using the **F12** key.
3. Click the **Security** tab on the Developer Tools menu and click **View certificate**.



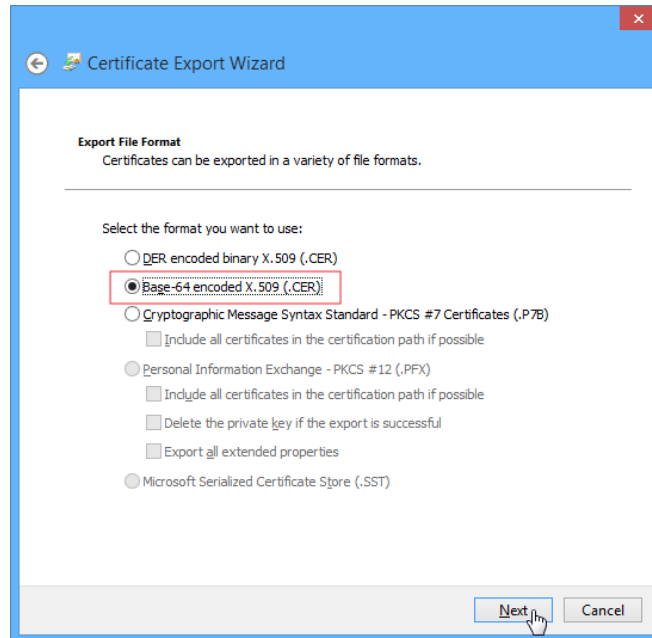
4. On the Certificate page, click Details tab and click Copy To File.



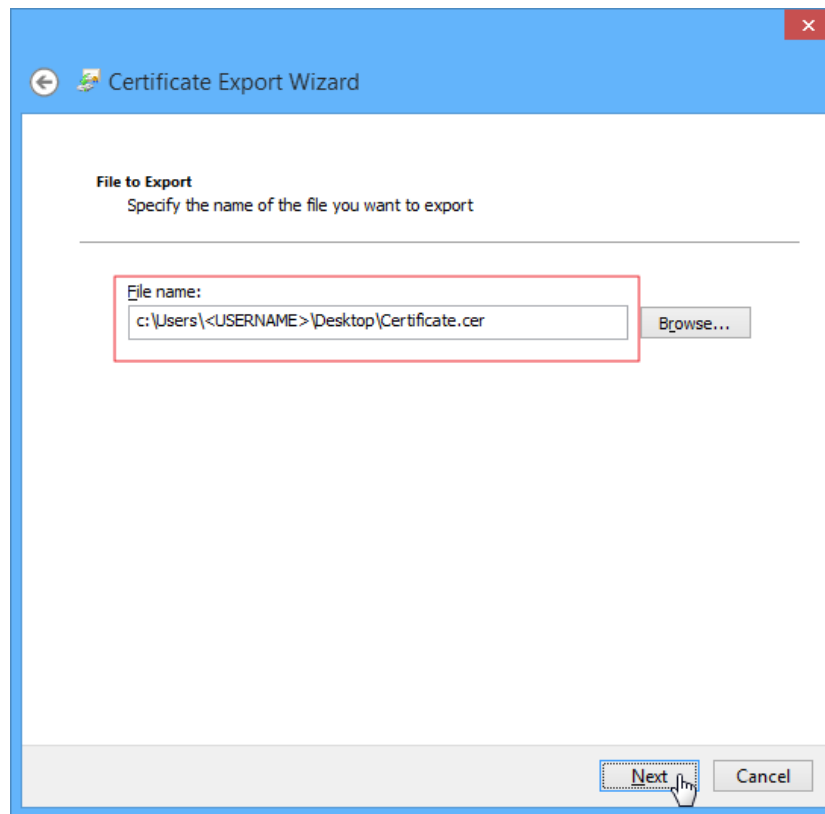
5. Click **Next** on Certificate Export Wizard window.



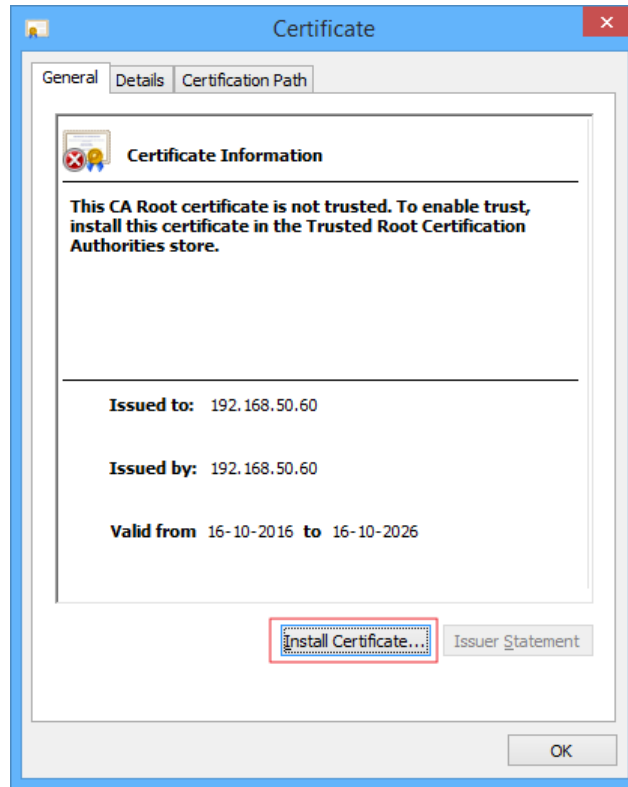
6. Select **Base-64 encoded X.509 (.CER)** and click **Next**.



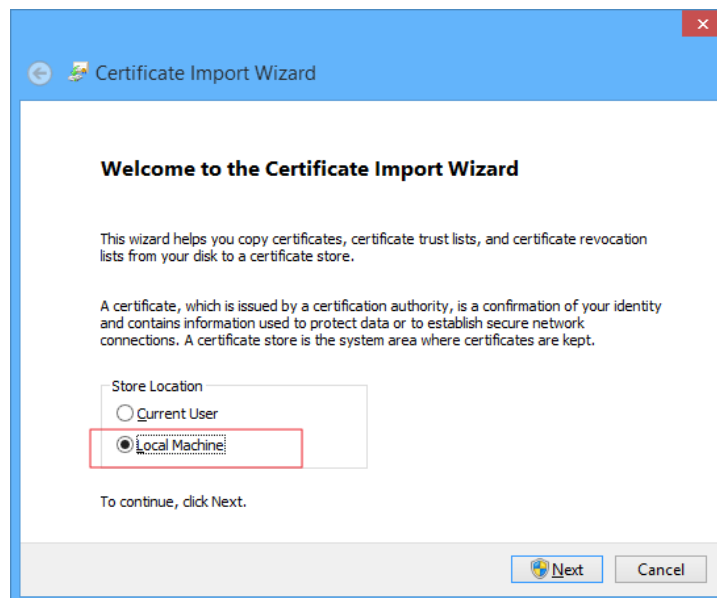
7. Specify the location to save the **Certificate.cer** file and click **Next**.



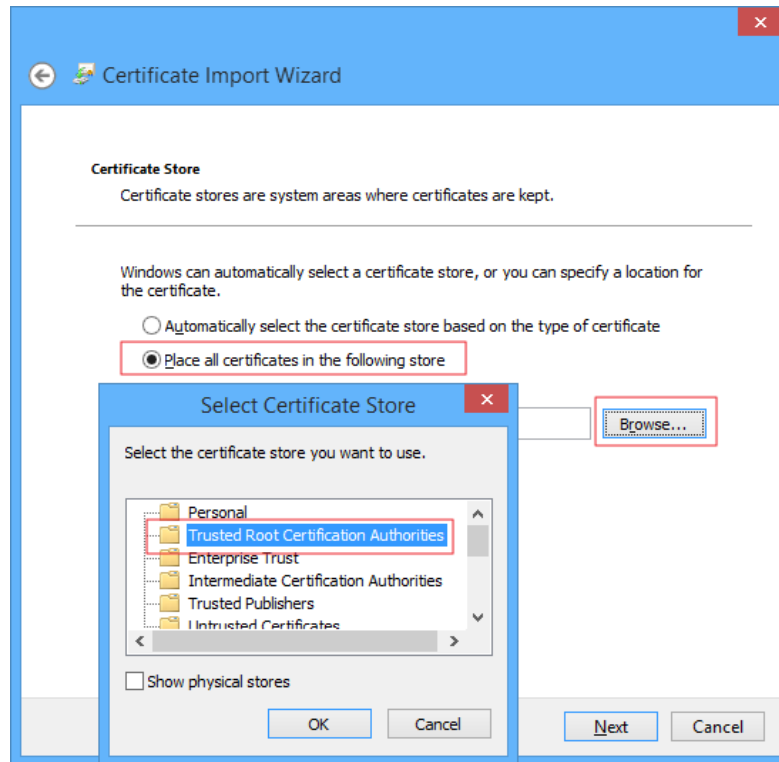
8. Click **Finish**.
9. Double-click on the **Certificate.crt** file to open the certificate and click **Install Certificate**.



10. Select **Local Machine** and click **Next**.



11. Select **Place all certificates in the following store** and click **Browse**.



12. Click **Next** and **Finish**.

13. You may delete the Certificate.crt file saved on your system.

## Some examples of connections (sorry for Polish GUI language)

**Mapping WebDAV folder of CtrlX (IP:192.168.99.203 userid: boschrexroth pass: boschrexroth) as a disk G: using net use command**

1. Start a command line of MS Windows

2. Enter command e.g. as below

```
C:\>net use g: \\192.168.99.203@SSL@443\solutions/webdav/appdata
```

3. You will be asked for a userid as shown below:

```
Wprowadź nazwę użytkownika dla „192.168.99.203”: boschrexroth
```

4. You will be asked for a password as shown below:

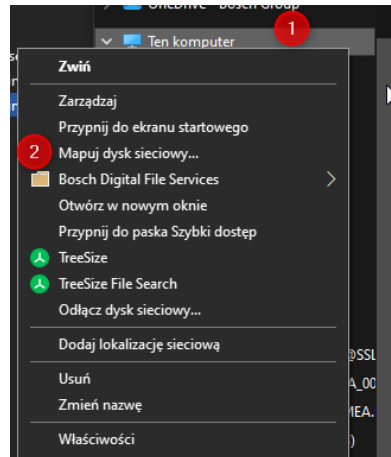
```
Wpisz hasło dla 192.168.99.203:  
Polecenie zostało wykonane pomyślnie.
```

5. Now you can navigate to the mapped drive letter and see its contents e.g.

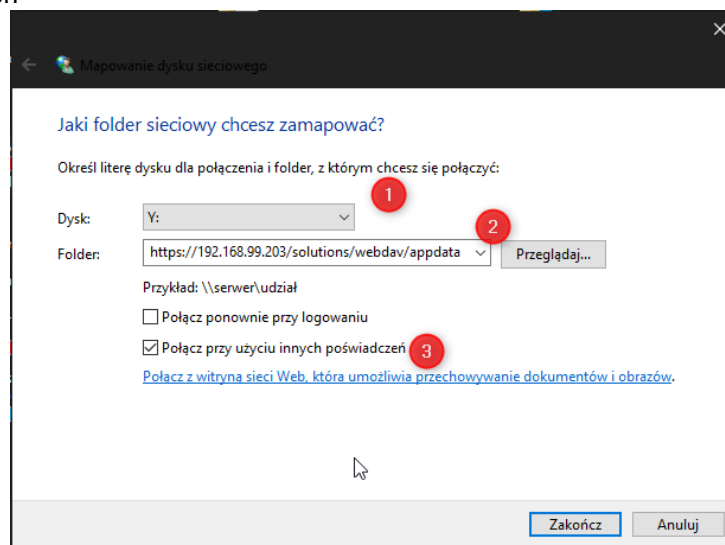
```
C:\>g:  
G:\>dir  
Volume in drive G has no label.  
Volume Serial Number is 0000-0000  
  
Directory of G:\  
  
08.05.2023  12:45    <DIR>          .  
08.05.2023  12:45    <DIR>          ..  
18.04.2023  10:26    <DIR>          opcuaserver  
24.03.2023  12:04    <DIR>          remote-logging  
29.06.2023  14:58    <DIR>          script  
10.05.2023  10:35    <DIR>          plc  
05.07.2023  11:56    <DIR>          node-RED  
24.03.2023  12:04                122 configuration.json  
                1 File(s)                122 bytes  
                7 Dir(s)  44 534 218 752 bytes free
```

## Mapping WebDAV as disk Y: using the GUI tool Map network drive (same CtrlX as before)

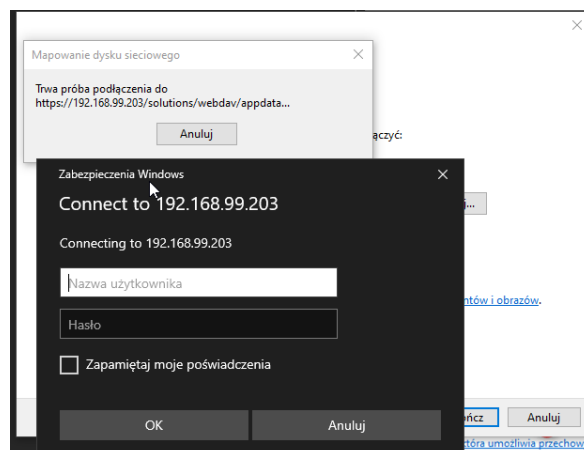
1. Click on **My Computer** using the right mouse button.
2. Select **Map a network drive...**



3. Enter as shown below:
  - (1) Select Disk e.g. Y:
  - (2) Folder <https://192.168.99.203/solutions/webdav/appdata>
  - (3) Connect using other credentials and click on Finish

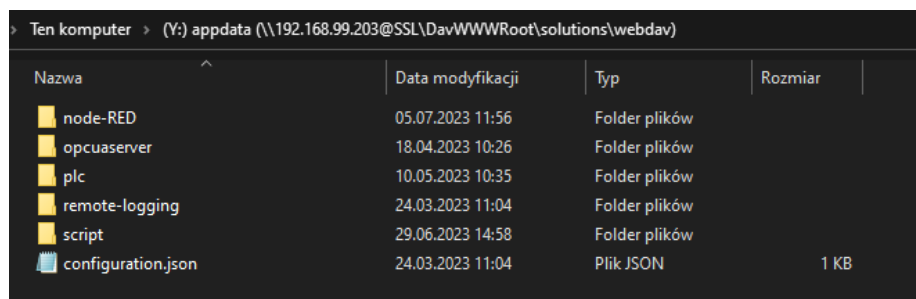


4. You will get a popup message where you have to provide userid and password to your CtrlX





5. After a while you will get a folder attached to your Y: disk as follows



Nazwa	Data modyfikacji	Typ	Rozmiar
node-RED	05.07.2023 11:56	Folder plików	
opcuaserver	18.04.2023 10:26	Folder plików	
plc	10.05.2023 10:35	Folder plików	
remote-logging	24.03.2023 11:04	Folder plików	
script	29.06.2023 14:58	Folder plików	
configuration.json	24.03.2023 11:04	Plik JSON	1 KB

*You can also connect to WebDAV as Web location in your MS Windows computer*

This part we will leave for a reader to find out how 😊