

Update instructions

CS Network

**Geschäftsstelle Süd/ Sales office South**

Zindelsteiner Straße 15

D-78052 VS-Tannheim

Tel.: +49(0)7705 97899-0

Fax: +49(0)7705 97899-20

Mail: info@cs-instruments.com

Web: <http://www.cs-instruments.com/de>

Geschäftsstelle Nord/ Sales office North

Gewerbehof 14

D-24955 Harrislee

Tel.: +49(0)461 807150-0

Fax: +49(0)461 807150-15

Mail: info@cs-instruments.com

Web: <http://www.cs-instruments.com/de>

1 Content

1	Content	2
2	Change sheet	3
3	Prologue.....	4
4	Serverupdate	5
4.1	Windows-Server.....	5
4.2	Linux-Server	7
5	Windows-Client	12

2 Change sheet

Revision	Change	Date	Editor	Version
1	First edition	2022-07-07	TE	V1.00
2	Correction page 8: Start Modbus Reader	2022-07-07	TE	V1.00
3	Exam .NETCore and AspNetCore Installation .NETCore and AspNetCore	2023-02-21	TE	V1.01
4	Windows: Customization appsettings.json Linux: Creation of Soft2ModbusData and customization of appsettings.json	2023-11-21	TE	V1.02
5	Install Soft2Monitor	2025-05-03	TE	V1.03

3 Prologue

Dear Customer,

When using the CS Network software, you can read out our sensors directly or save a number of measured values from our data recorders in a central database. It is also possible to integrate third-party sensors, provided they have an Ethernet interface. You can then access this data from several clients and evaluate or display it via a user authorization concept. You can also send alarms and evaluations automatically by e-mail to the users via push message.

In this documentation, the configuration by a user in the user interface on a PC is described.

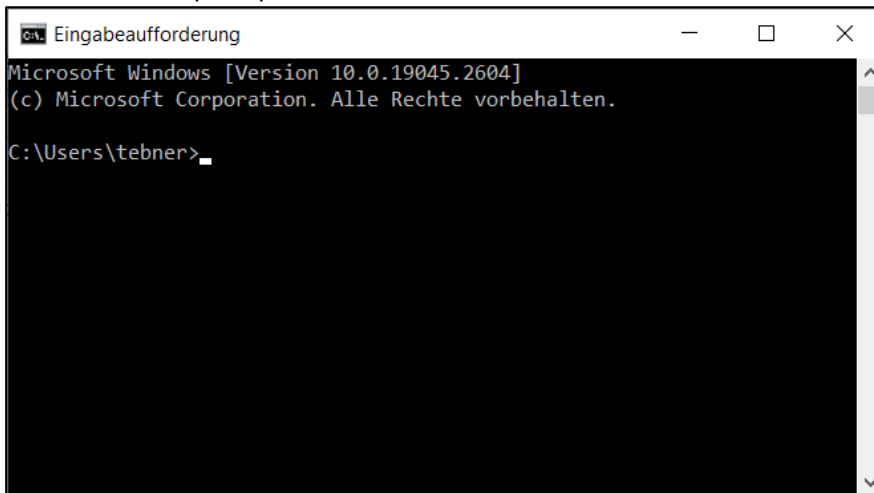
4 Serverupdate

IMPORTANT: If your server was set up before 01.06.2022 or the last update was carried out before 01.06.2022, please contact support!

4.1 Windows-Server

- Download installation package:
<https://electronautoupdate.blob.core.windows.net/files/network/WindowsServer/WindowsServerUpdate.tar>
- Unzip the file "WindowsServerUpdate.tar" (e.g. with 7-Zip: <https://www.7-zip.de/>)

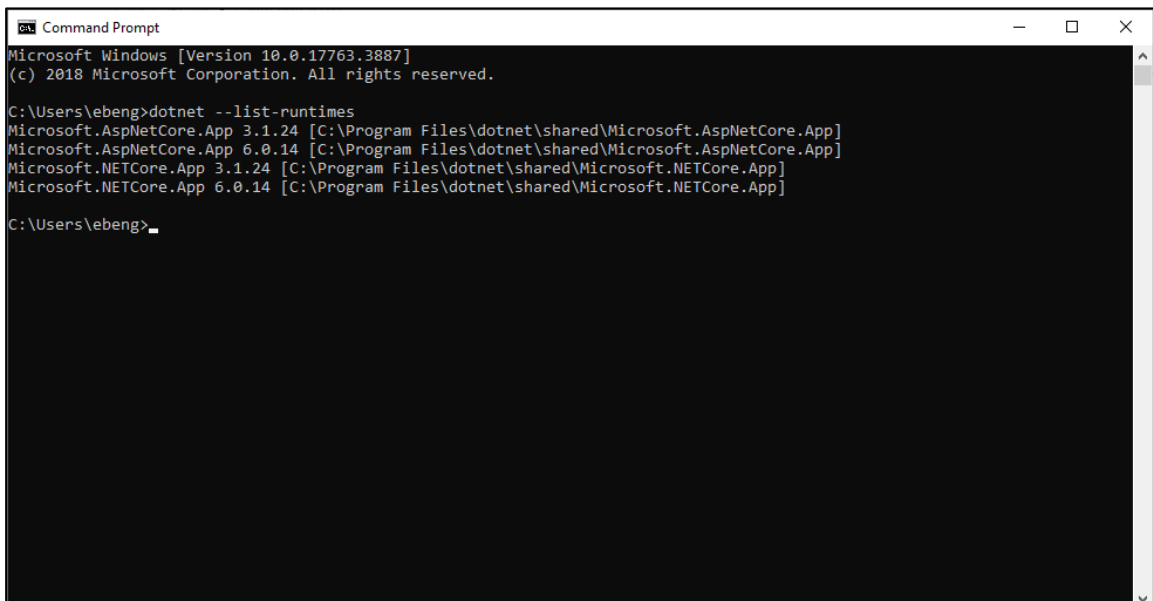
- Start command prompt



```
Eingabeaufforderung
Microsoft Windows [Version 10.0.19045.2604]
(c) Microsoft Corporation. Alle Rechte vorbehalten.

C:\Users\tebner>
```

- Check if .NETCore 6.0 and ASP.NETCore 6.0 are installed:
Command: dotnet --list-runtimes



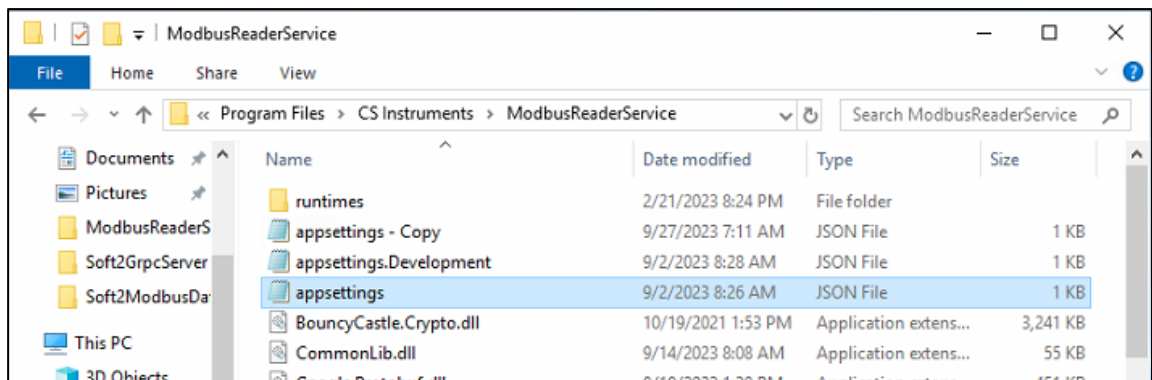
```
Command Prompt
Microsoft Windows [Version 10.0.17763.3887]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\ebeng>dotnet --list-runtimes
Microsoft.AspNetCore.App 3.1.24 [C:\Program Files\dotnet\shared\Microsoft.AspNetCore.App]
Microsoft.AspNetCore.App 6.0.14 [C:\Program Files\dotnet\shared\Microsoft.AspNetCore.App]
Microsoft.NETCore.App 3.1.24 [C:\Program Files\dotnet\shared\Microsoft.NETCore.App]
Microsoft.NETCore.App 6.0.14 [C:\Program Files\dotnet\shared\Microsoft.NETCore.App]

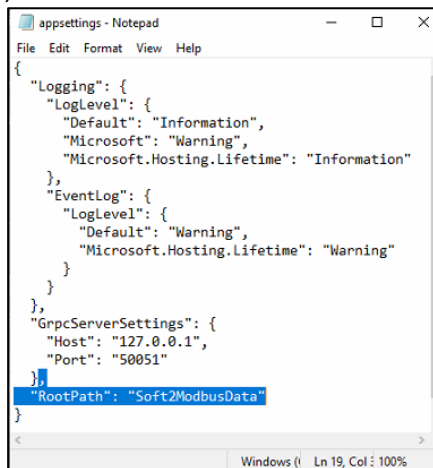
C:\Users\ebeng>
```

- If Microsoft.NETCore.App 6.0.x is not listed, "dotnet-runtime-6.0.36-win-x64.exe" file must be run.

- If Microsoft.AspNetCore 6.0.x is not listed, the "aspnetcore-runtime-6.0.36-win-x64.exe" file must be run.
- Run file "Soft2GrpcServer Setup.exe"
- Execute the file "ModbusReaderService Setup.exe"
- Execute the file "Soft2Monitor Setup.exe"
- Run Windows Explorer as Admin and open the file "C:\Program Files\CS Instruments\ModbusReaderService\appsettings.json":

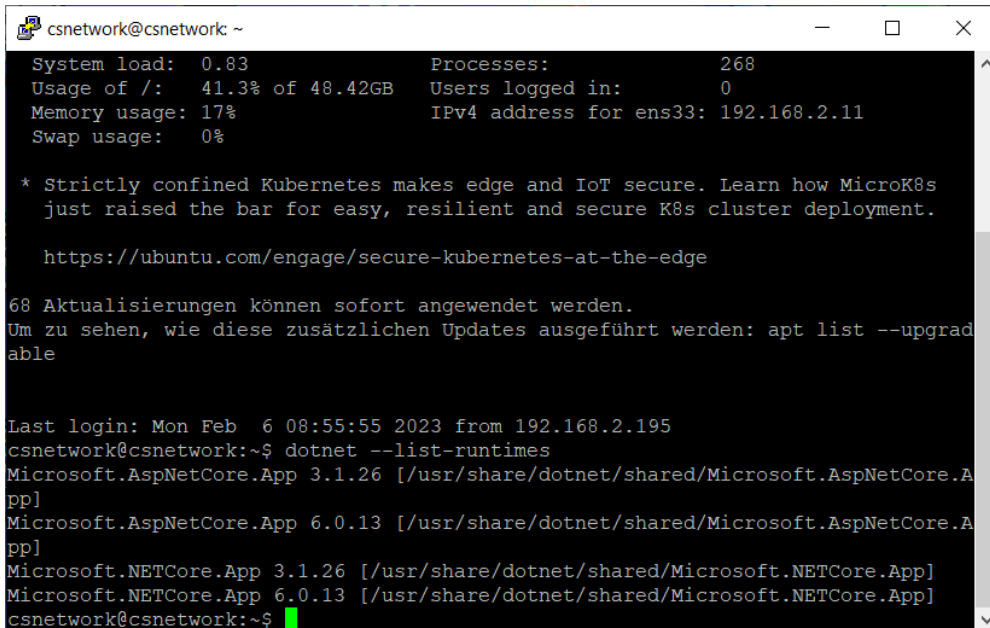


- If not available, "RootPath" must be added:
 , "RootPath": "Soft2ModbusData"



4.2 Linux-Server

- Download installation package:
<https://electronautoupdate.blob.core.windows.net/files/network/LinuxServer/LinuxServerUpdate.tar>
- Unzip the file „LinuxServerUpdate.tar“ (e.g. with 7-Zip: <https://www.7-zip.de/>)
- Stop ModbusReader:
`sudo systemctl stop ModbusReaderService.service`
- Stop Soft2Monitor: (if Soft2Monitor is already installed):
`sudo systemctl stop Soft2Monitor.service`
- Stop Soft2GrpcServer:
`sudo systemctl stop Soft2GrpcServer.service`
- To update:
`sudo apt-get update`
- Check if .NETCore 6.0 and ASP.NETCore 6.0 are installed:
Command: `dotnet --list-runtimes`



```
csnetwork@csnetwork: ~
System load: 0.83          Processes: 268
Usage of /: 41.3% of 48.42GB Users logged in: 0
Memory usage: 17%         IPv4 address for ens33: 192.168.2.11
Swap usage: 0%

* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.

https://ubuntu.com/engage/secure-kubernetes-at-the-edge

68 Aktualisierungen können sofort angewendet werden.
Um zu sehen, wie diese zusätzlichen Updates ausgeführt werden: apt list --upgrad
able

Last login: Mon Feb  6 08:55:55 2023 from 192.168.2.195
csnetwork@csnetwork:~$ dotnet --list-runtimes
Microsoft.AspNetCore.App 3.1.26 [/usr/share/dotnet/shared/Microsoft.AspNetCore.A
pp]
Microsoft.AspNetCore.App 6.0.13 [/usr/share/dotnet/shared/Microsoft.AspNetCore.A
pp]
Microsoft.NETCore.App 3.1.26 [/usr/share/dotnet/shared/Microsoft.NETCore.App]
Microsoft.NETCore.App 6.0.13 [/usr/share/dotnet/shared/Microsoft.NETCore.App]
csnetwork@csnetwork:~$
```

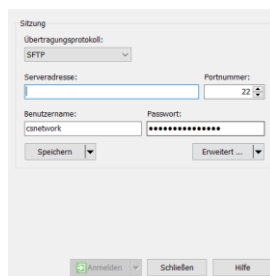
- If Microsoft.NETCore.App 6.0.x is not listed - Install NET Core runtime:
`sudo apt-get install -y dotnet-runtime-6.0`
- If Microsoft.AspNetCore 6.0.x is not listed - Install ASP.NETCore Runtime:
`sudo apt-get install -y aspnetcore-runtime-6.0`
- Check whether the "Soft2ModbusData" directory has been created:
`cd /`
`dir`

```
Last login: Tue Nov 21 19:41:31 2023 from 192.168.2.110
csnetwork@csnetwork:~$ cd /
csnetwork@csnetwork:/$ dir
backups  dev    lib64    opt    scripts  swap.img
bin      etc    libx32   proc   snap     sys
```

- If the "Soft2ModbusData" directory does not exist, execute the following commands:
`sudo mkdir /Soft2ModbusData`
`sudo chown /Soft2ModbusData`
`sudo chmod 775 /Soft2ModbusData`

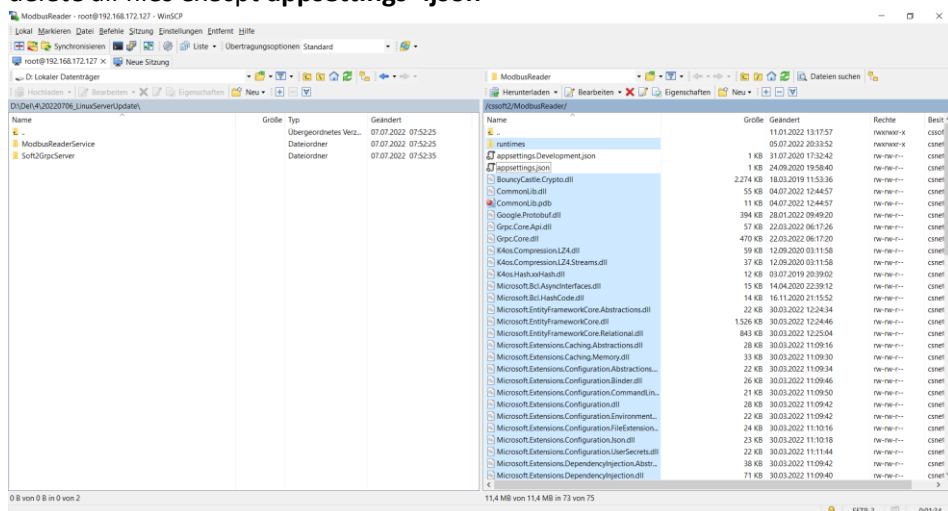
- Update ModbusReader:

- Connect with WinSCP (<https://winscp.net/eng/download.php>)

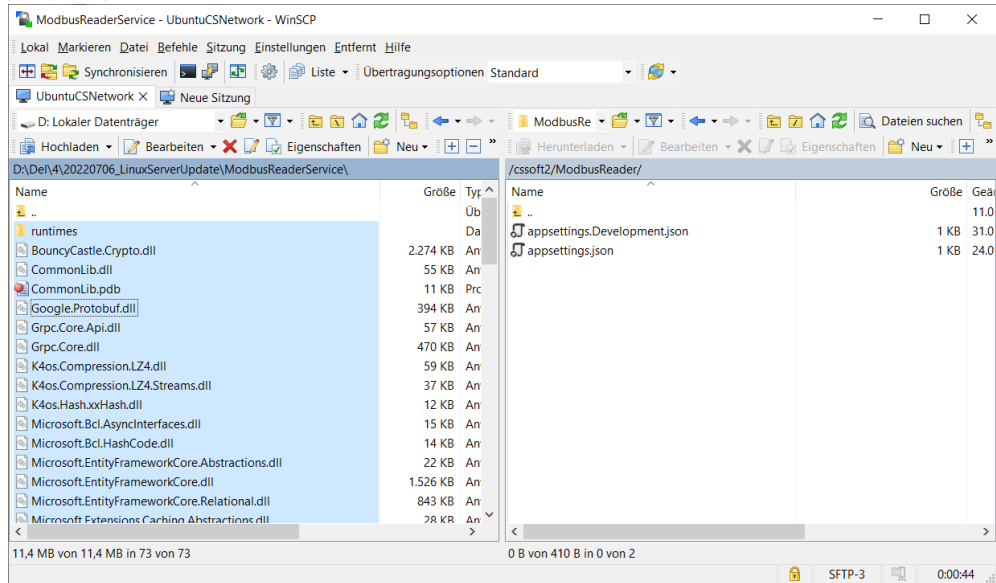


User: csnetwork
 Password: csNetwork_45+#)

- change to folder /cssoft2/ModbusReader
- delete all files except **appsettings*.json**

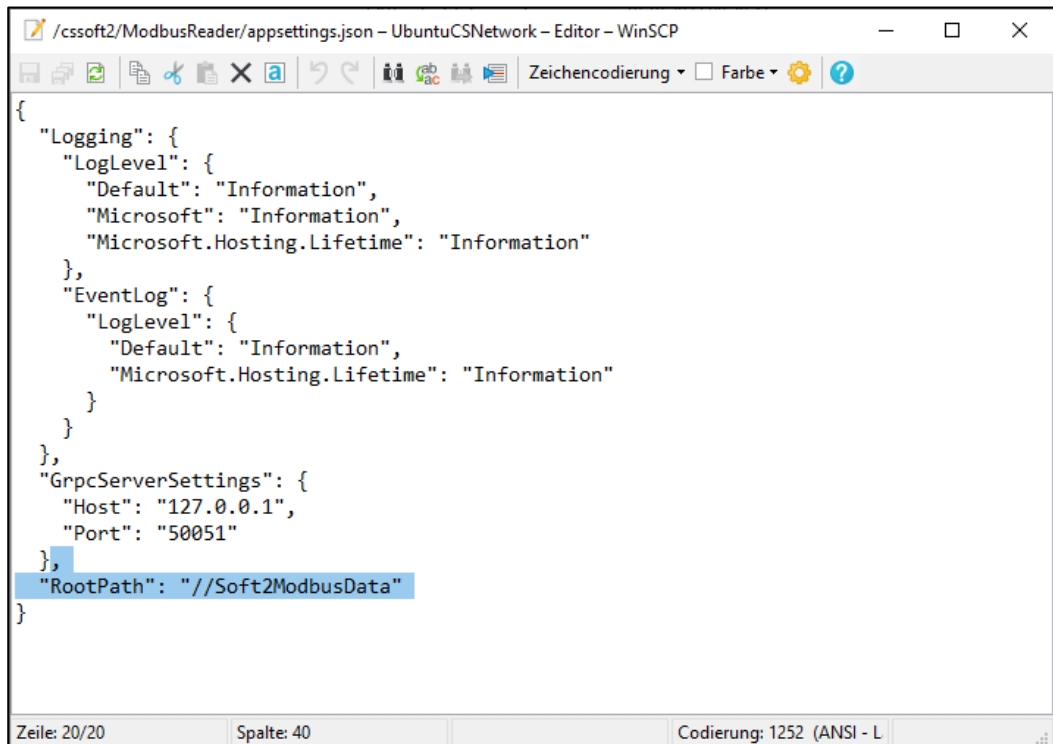


- Copy all files of the installation package from the ModbusReaderService folder to /cssoft2/ModbusReader.

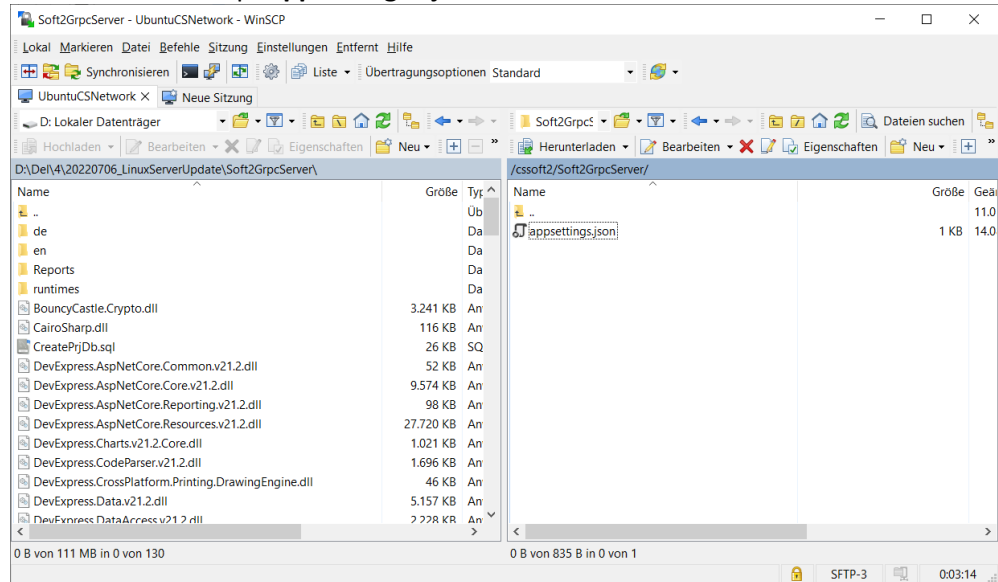


- Open the "appsettings.json" file in the /cssoft2/ModbusReader folder and add the RootPath:

, "RootPath": "//Soft2ModbusData"



- Update Soft2GrpcServer:
 - Change to folder /cssoft2/Soft2GrpcServer
 - delete all files except **appsettings*.json**



- Copy all files of the installation package from the Soft2GrpcServer folder to /cssoft2/Soft2GrpcServer.
- Check whether the "Soft2Monitor" directory has been created:


```
cd /
cd cssoft2
dir
```
- If the "Soft2Monitor" directory does not exist, execute the following commands:


```
sudo mkdir /cssoft2/Soft2Monitor
sudo chown cssoft2 /cssoft2/Soft2Monitor
sudo chmod 777 /cssoft2/Soft2Monitor
```
- If the "Soft2Monitor" service does not exist:
 - Copy the service file "Soft2Monitor.service" into the directory /etc/systemd/system.
 - Activate service:


```
sudo systemctl enable Soft2Monitor
```
 - Service starten:


```
sudo systemctl start Soft2Monitor
```
 - Copy appsettings.json to \cssoft2\Soft2Monitor
- Update Soft2Monitor:
 - Change to folder /cssoft2/Soft2Monitor
 - Delete all files except **appsettings*.json**

- Copy all files of the installation package from the Soft2Monitor folder to /cssoft2/Soft2Monitor
- Start Soft2GrpcServer:
`sudo systemctl start Soft2GrpcServer.service`
- Start ModbusReader:
`sudo systemctl start ModbusReaderService.service`
- Start Soft2Monitor:
`sudo systemctl start Soft2Monitor.service`

5 Windows-Client

- Download installation package:
<https://electronautoupdate.blob.core.windows.net/files/network/WindowsClient/WindowsClient.tar>
- Unpack the file "WindowsClient.tar" (e.g. with 7-Zip: <https://www.7-zip.de/>)
- Execute the file "CS Network Setup.exe" in the folder Vx.x.x.x.