

Update instructions

CS Network

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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

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.

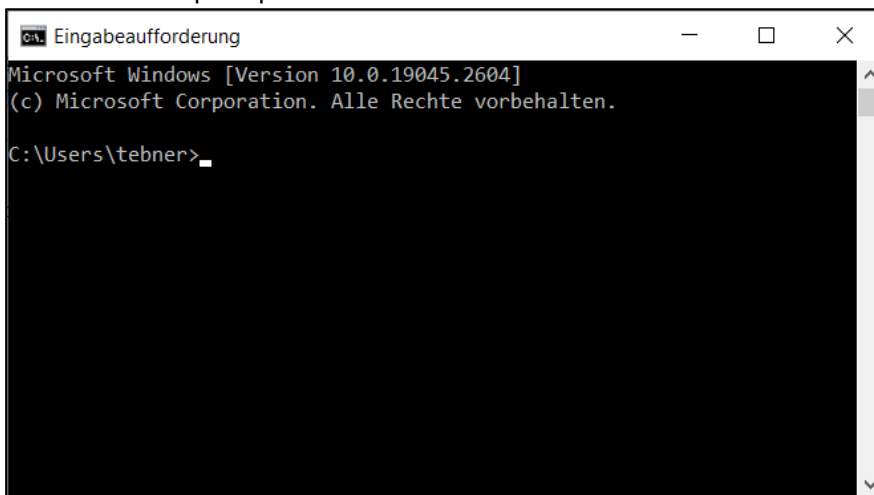
4 Serverupdate

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/>)

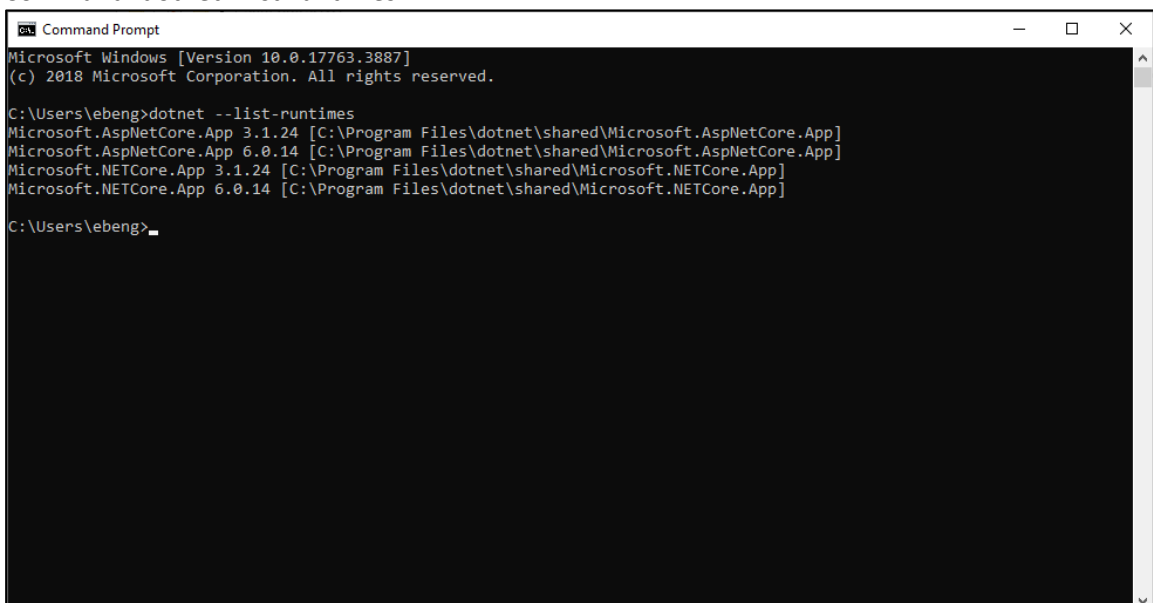
- Start command prompt



```
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



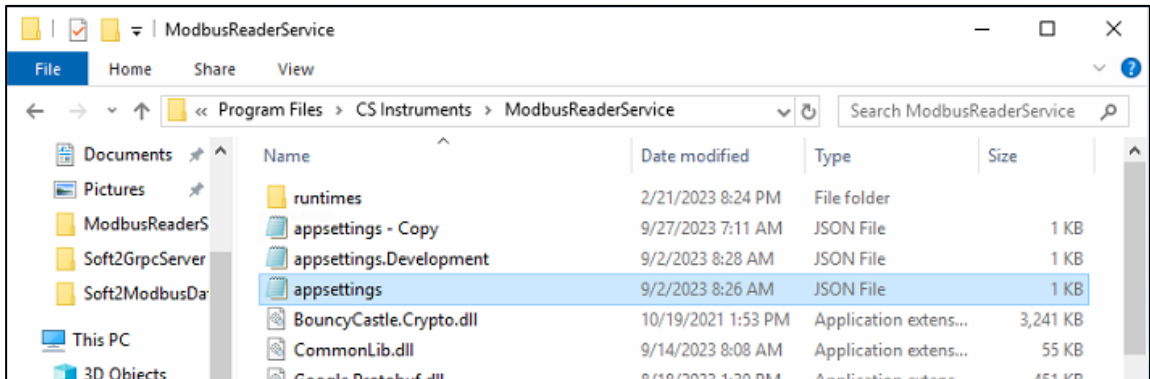
```
Command Prompt
Microsoft Windows [Version 10.0.17763.3887]
(c) 2018 Microsoft Corporation. All rights reserved.

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]

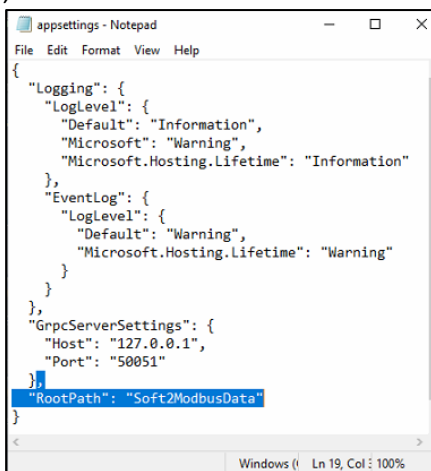
C:\Users\ebeng>
```

- If Microsoft.NETCore.App 6.0.x is not listed, "dotnet-runtime-6.0.14-win-x64.exe" file must be run.

- If Microsoft.AspNetCore 6.0.x is not listed, the "aspnetcore-runtime-6.0.14-win-x64.exe" file must be run.
- Run file "Soft2GrpcServer Setup.exe"
- Execute the file "ModbusReaderService Setup.exe"
- Run Windows Explorer as Amin and open the file "C:\Program Files\CS Instruments\ModbusReaderService\appsettings.json":

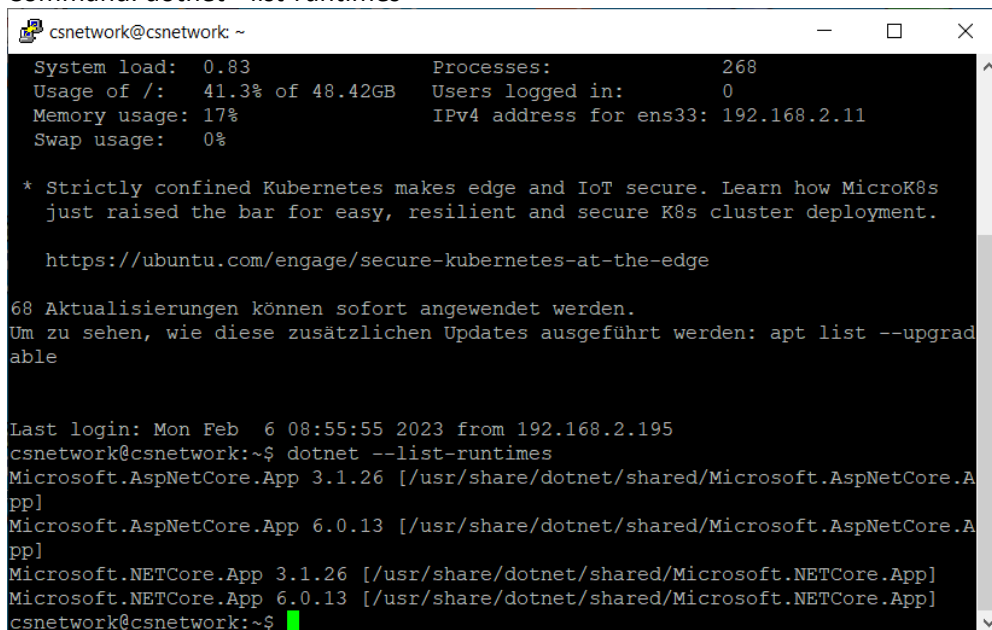


- If not available, "RootPath" must be added:
 , "RootPath": "Soft2ModbusData"



4.2 Linux-Server

- Download installation package:
<https://electronautouupdate.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 Soft2GrpcServer:
`sudo systemctl stop Soft2GrpcServer.service`
- To update:
`sudo apt-get update`
- Check if .NETCore 6.0 and AspNetCore 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%

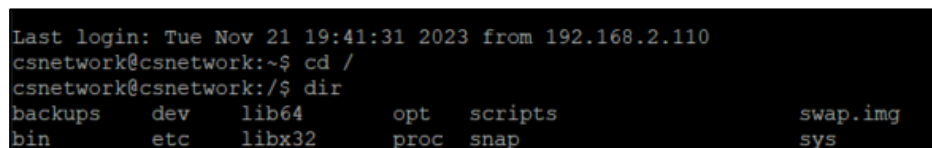
* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.

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.App]
Microsoft.AspNetCore.App 6.0.13 [/usr/share/dotnet/shared/Microsoft.AspNetCore.App]
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 AspNetCore Runtime:
`sudo apt-get install -y aspnetcore-runtime-6.0`
- Check whether the "Soft2ModbusData" directory has been created:
`cd /`
`dir`



```

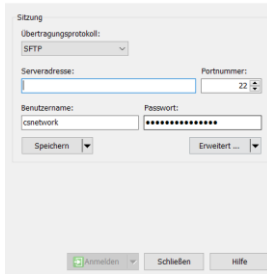
Last login: Tue Nov 21 19:41:31 2023 from 192.168.2.110
csnetwork@csnetwork:~$ cd /
csnetwork@csnetwork:/$ dir
backups  dev    lib64    opt    scripts  swap.img
bin      etc    libx32  proc  snap     sys
  
```

- If the "Soft2ModbusData" directory does not exist, execute the following commands:

```
sudo mkdir /Soft2ModbusData
sudo chown /Soft2ModbusData
sudo chmod 775 /Soft2ModbusData
```

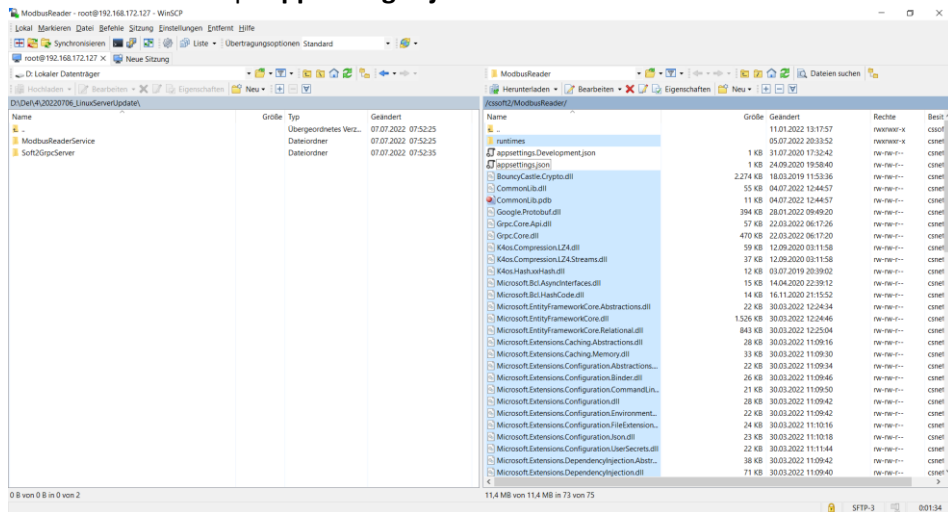
- Update ModbusReader:

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

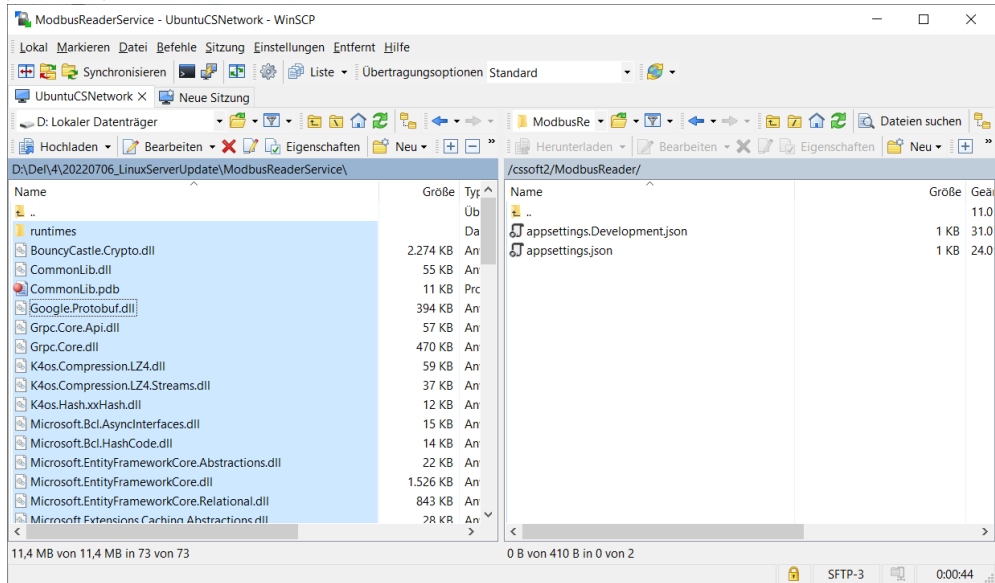


User: csnetwork
Password: csNetwork_45+#)

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

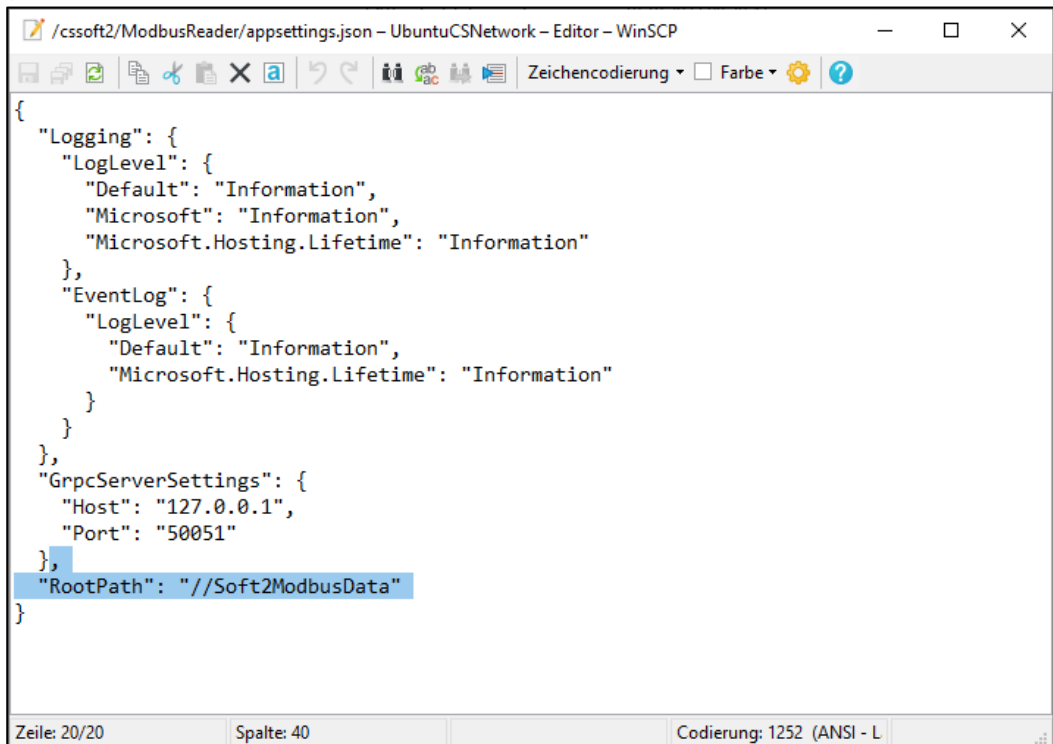


- Copy all files of the installation package from the ModbusReaderService folder to /cssoft2/ModbusReader.

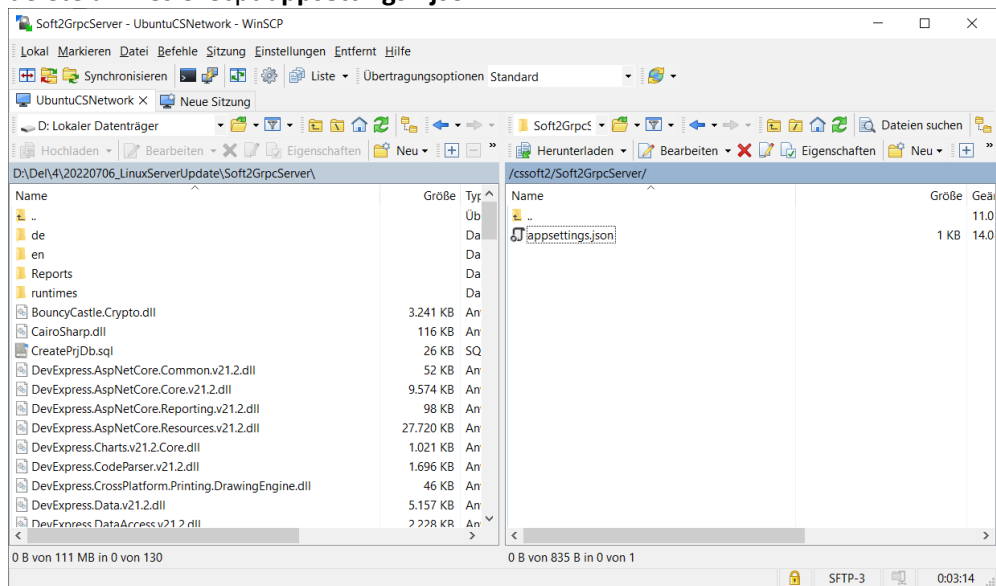


- Open the "appsettings.json" file in the /cssoft2/ModbusReader folder and add the RootPath:

, "RootPath": "//Soft2ModbusData"



- Update Soft2GrcpServer:
 - Change to folder /cssoft2/Soft2GrcpServer
 - delete all files except **appsettings*.json**



- Copy all files of the installation package from the Soft2GrcpServer folder to /cssoft2/Soft2GrcpServer.
- Start Soft2GrcpServer:


```
sudo systemctl start Soft2GrcpServer.service
```
- Start ModbusReader:


```
sudo systemctl start ModbusReaderService.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.