

FHEM - ModbusTCP Server für TA CMI - 01

FHEM Module downloaden

update all https://raw.githubusercontent.com/ChrisD70/FHEM-Modules/master/autoupdate/mbs/controls_mbcc.txt

FHEM Restart mittels „shutdown restart“.

ModbusTCP Server (Slave) definieren

Erläuterung

ModbusTCP nutzt per Default Port 502.

Für Ports < 1024 sind aber root Rechte notwendig.

Daher Port = 1502

```
define <device-name> ModBusTCP_CC <port>
```

```
define ModBusTCP_Server ModBusTCP_CC 1502
```

Portumleitung

Erläuterung

Der Modbus TCP Server (ModbusTCP Slave) läuft auf 1502. In der TA CMI ist aber kein Port einstellbar, d.h. die TA CMI erwartet 502. Direkt 502 geht nur mit root Rechten. Daher Portweiterleitung 1502 auf 502. Das geht ohne root Rechte.

```
sudo cp -a /etc/rc.local /etc/rc.local-bak-01
```

```
sudo nano /etc/rc.local
```

```
#!/bin/sh -e  
#
```

```

# rc.local
#
# This script is executed at the end of each multiuser runlevel.
# Make sure that the script will "exit 0" on success or any other
# value on error.
#
# In order to enable or disable this script just change the execution
# bits.
#
# By default this script does nothing.

# Print the IP address
_IP=$(hostname -I) || true
if [ "$_IP" ]; then
    printf "My IP address is %s\n" "$_IP"
fi

exit 0

```

ändern in

```

#!/bin/sh -e
#
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# Redirect Port 502 to 1502 - Required for ModbusTCP Server (Slave)
iptables -t nat -A PREROUTING -p tcp --dport 502 -j REDIRECT --to-port 1502
printf "Port 502 redirected to 1502.\n"

exit 0

```

Reboot des Pi!

Erläuterung

rc.local... für Proof of concept ok. Änderung in V2.

Sicherung Config

```
sudo cp -a /opt/fhem/fhem.cfg /opt/fhem/fhem.cfg-bak-02
```