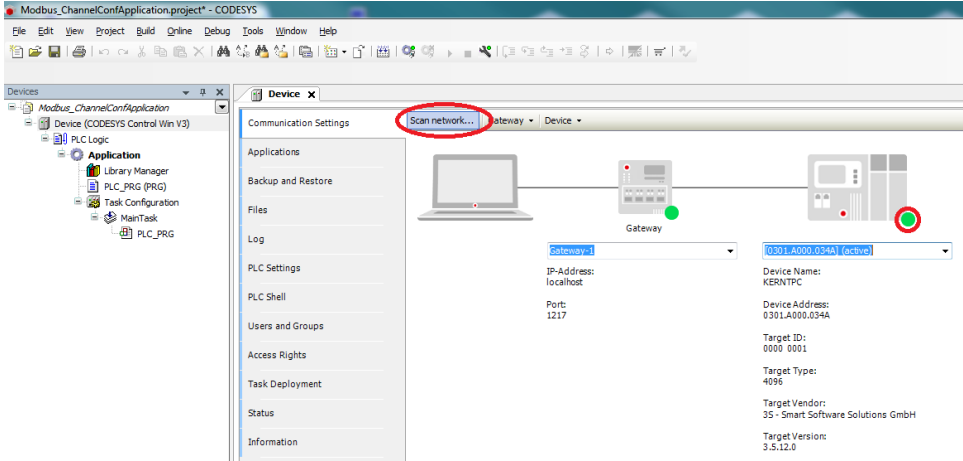


Modbus TCP Slave: Using the "Application" Channel Trigger

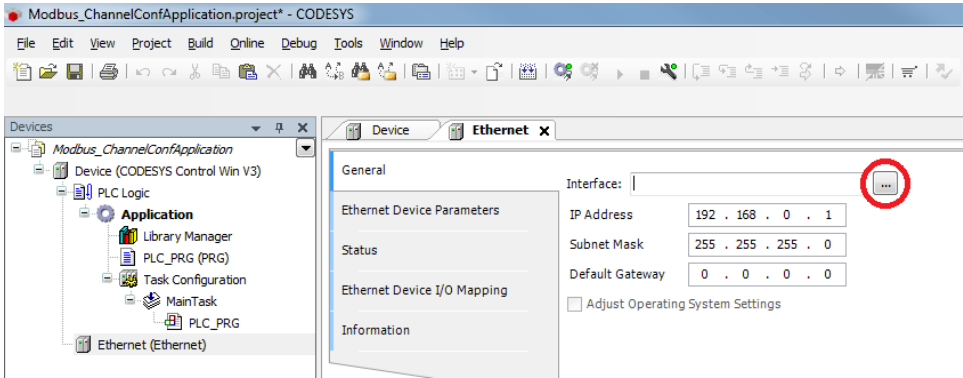
The Modbus slave from the FAQ [Modbus Kommunikation Master/Slave via Ethernet](#) is used here.

- Create a "Standard project" and select *CODESYS Control Win V3* as the device.
- Define the target system by means of the *Network scan*.

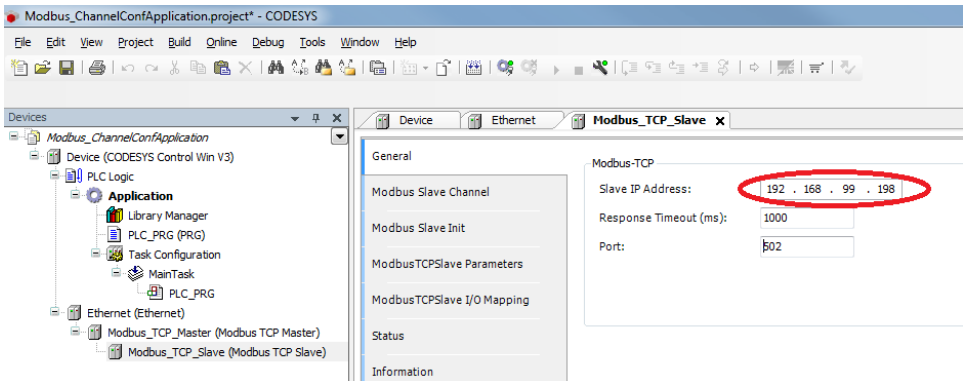


- Insert an *Ethernet* adapter in the device tree and specify the interface to be used.

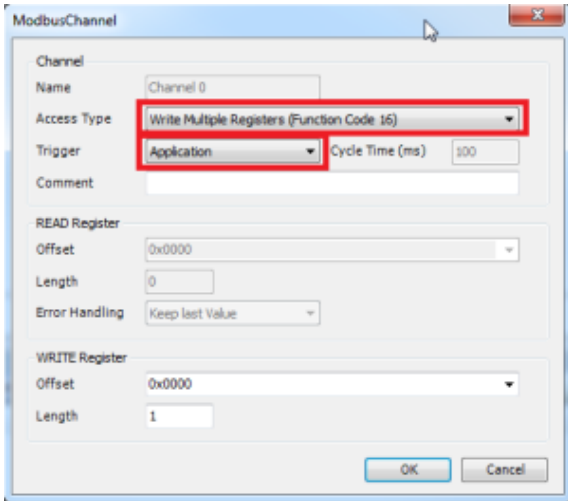
If a target system is not defined yet, then the error message "Gateway not configured" is displayed.



- Insert a *Modbus TCP Master* below the *Ethernet* adapter in the device tree.
- Insert a *Modbus TCP Slave* below the *Modbus TCP Master* in the device tree.



- Insert it in the *Modbus Slave Channel* tab and set the properties as follows:



- Adapt the POU *PLC_PRG* as follows:

Declaration

```

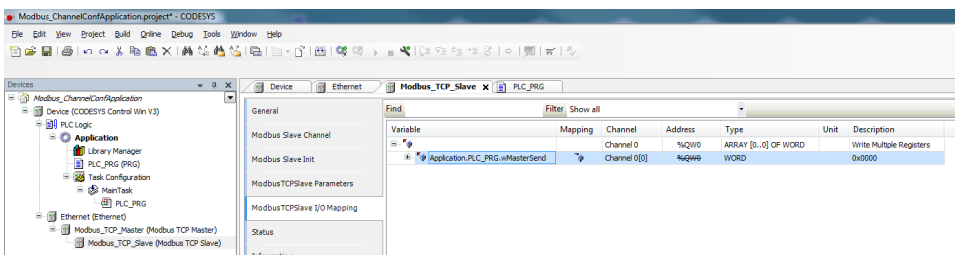
VAR
    xExec           :   BOOL;
    wMasterSend     :   WORD := 100;
    mbChannel       :   ModbusChannel;
END_VAR
  
```

Implementation

```

mbChannel(slave := Modbus_TCP_Slave, xExecute := xExec);
  
```

- Assign the variable *wMasterSend* to the output *Channel 0[0]* in the tab *ModbusTCP Slave I/O Mapping*.



- Start the project and set the variable *xExecute* to *TRUE* so that the new value is passed to the slave.