

Controller connection

SIEMENS PLC

TIA-PORTAL system

1. **Diagnostic tool fails to connect to SIMATIC S7-12xx/15xx PLC, with the following error:**

Error: *SNAP7 CLI : function refused by CPU (Unknown error)*

Answer: PUT/GET communication must be permitted in the General configuration of the TIA-Portal project.
Be careful: This change requires full compilation of the project and hardware configuration upload in particular.
Look a FAQ:2 in case of problem.

Details: Look at 'Protection' chapter of the following documentation:
http://snap7.sourceforge.net/snap7_client.html#target_compatibility

2. **Everything is green but my SILECS configuration seems not to be properly uploaded**

I did some changes in my project (FAQ:1 for instance) but i still observe the initial behavior or error.

Answer: With TIA-PORTAL it's often necessary to force explicit compile and upload of the hardware configuration in addition to the software upgrade.

- . Go offline
- . Project/<CPU> node --> Compile --> Hardware (rebuild all)
- . Project/<CPU> node --> Downlaod to device --> Hardware

BECKHOFF PLC

BC90xx controller

1. **The BC9020 automatically disconnect open connection after 10s if it's not used by the client process**

Answer: Default disconnection timeout (10s) can be adjusted by writing the mSec value to the register 0x1122 (possible from the Modbus client).

- 2.

The BC9020 does not support more than 3 Modbus-TCP connection

Answer: Only solution to deploy more than 1 SILECS class to the BC9020 controller is to share the SILECS connections.
(look at: <http://www.psco/private/silecs/1.m.p/doc/html/structconfiguration.html>)