

NOC

Introduction

The first chapter explained the use of the different ports of the M580: Connecting to RIO or DIO drops or to a third party client such as a SCADA or Unity Pro.

A NOC's role is quite similar: Connected to DIO drops or a SCADA. Doing so, will extend the number of drops connected to the M580 rack, as well as freeing bandwidth and CPU usage for the M580.

This chapter will explain how to configure a NOC; Once the NOC is configured a DIO drop will be connected to it, as per the DIO chapter, or connect it to the SCADA system.

Topic Objectives

By the end of this section the student will be able to:

- Configure an NOC both for SCADA applications or to connect to DIO drops

Exercise - Distributed Devices via a NOC

Learning Outcomes

By the completion of this exercise the student will be able to:

- Implement an isolated distributed device network using the **BME NOC 0311** module
- Integrate a distributed device using **Modbus/TCP**
- Monitor and control the health of a device via the available DDTs.

Equipment & Software Required

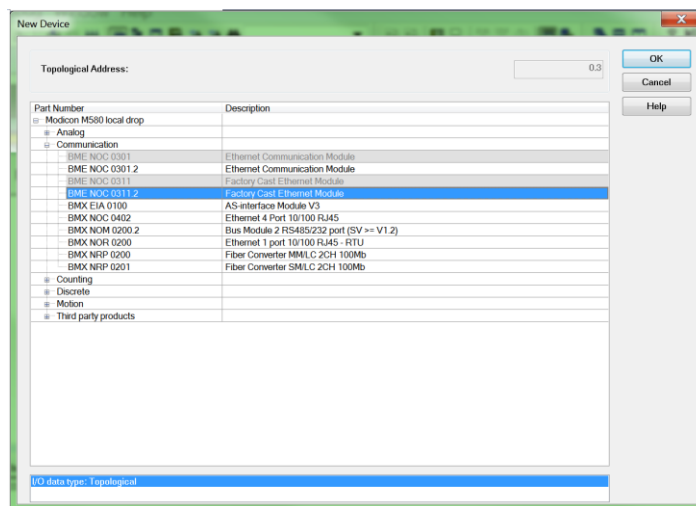
This exercise **requires** the Advantys software.

To complete this exercise on a PLC the following equipment is required:

- **One NOC 0311**
- **One M580**
- **One compatible rack**
- **One compatible power supply**
- **STB Modules**

Add the BME NOC 0311 to the Local Rack.

- Open the **PLC Bus** and insert the **BME NOC 0311.2** module into the correct slot as per the hardware configuration.

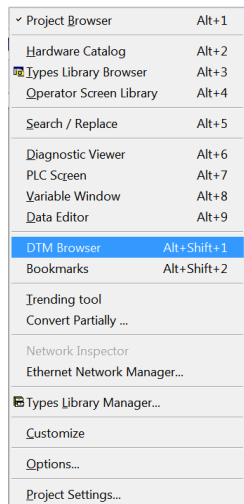


- Use the default name and click the **OK** button.

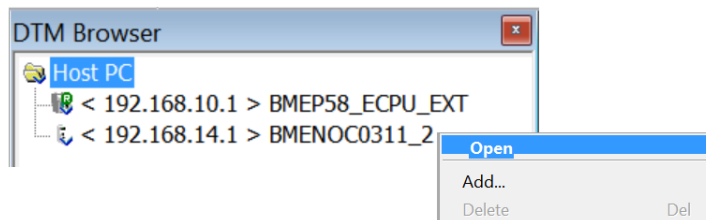
Exercise - Configure an Altivar Drive (cont.)

Configure the IP address of the BME NOC 0311.

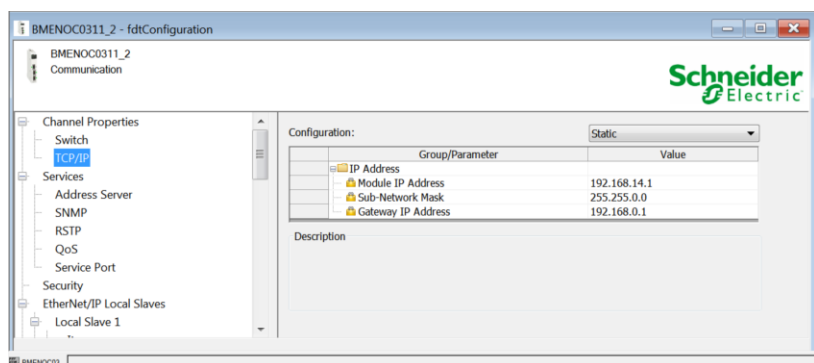
- i. View the **DTM Browser** by selecting **Tools » DTM Browser**.



- ii. In the DTM manager, right-click the **BMENOC0311** and select **Open** from the menu.



- iii. In the browser tree, select **TCP/IP**.



- iv. From there, you can see the IP address assigned to the device. In the picture: 192.168.14.1. This IP is assigned by the PLC, and can't be changed.
- v. Close the window.
- vi. The exercise is now over click the link to go back to the [Chapter 2 Organisation Chart](#) or to the [Table of Contents](#).