

BrainScan FieldServer ProtoCessor Configuration

This document contains ProtoCessor configuration and Modbus mappings for BACnet ProtoCessor modules.

Before installing the ProtoCessor onto the BrainScan board, please make sure that the BrainScan is powered down. Damage may occur to both the ProtoCessor or the BrainScan unit if the ProtoCessor is installed while the BrainScan still has power running to it.

FieldServer ProtoCessor configuration for BrainScan

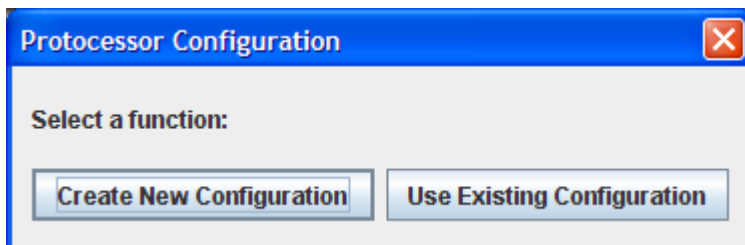
Install the FieldServer Toolbox. This can be obtained directly from FieldServer Technologies' website:

<http://www.fieldserver.com/docs/downloads/FieldServer-Toolbox.zip>

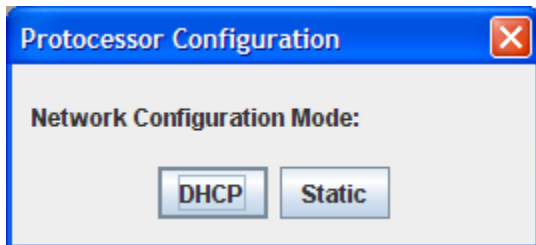
Apply power to the BrainScan board and plug in the Ethernet jack into the installed BACnet ProtoCessor module. The ProtoCessor modules can take several minutes to boot. The default configuration for the ProtoCessor module on the network will be DHCP. This means you will have to directly connect from your computer to the ProtoCessor with an Ethernet cable.

Run the ProtoCessorConfigGenerator.jar program. Note, you will need a Java runtime environment installed on your PC and one can be downloaded from here: <http://java.com/en/download/manual.jsp>

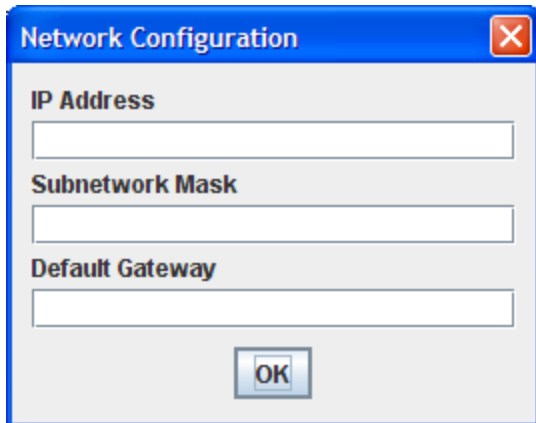
Select 'New Configuration' and enter in all the required information pertaining to your specific module.



Select "Use Existing Configuration" if you have a .csv file already saved that you would like to load onto the ProtoCessor module.

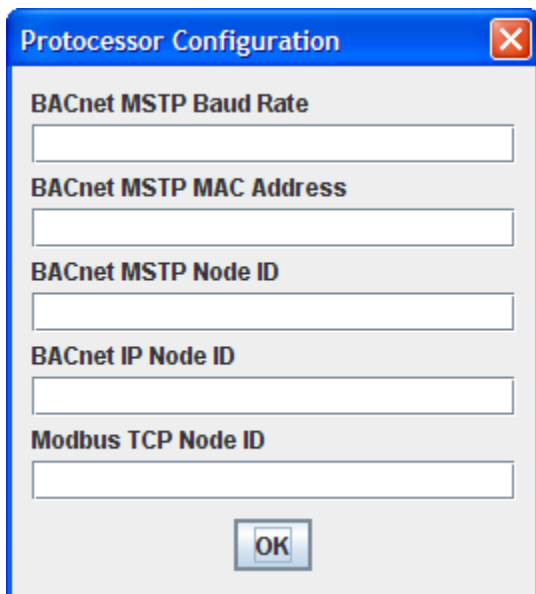


The default Network Configuration Mode is set to DHCP. Select "Static" If you'd like to assign the ProtoCessor a specific static IP address.



A screenshot of a 'Network Configuration' dialog box. It has a blue title bar with a close button. The dialog contains three text input fields labeled 'IP Address', 'Subnetwork Mask', and 'Default Gateway'. An 'OK' button is at the bottom.

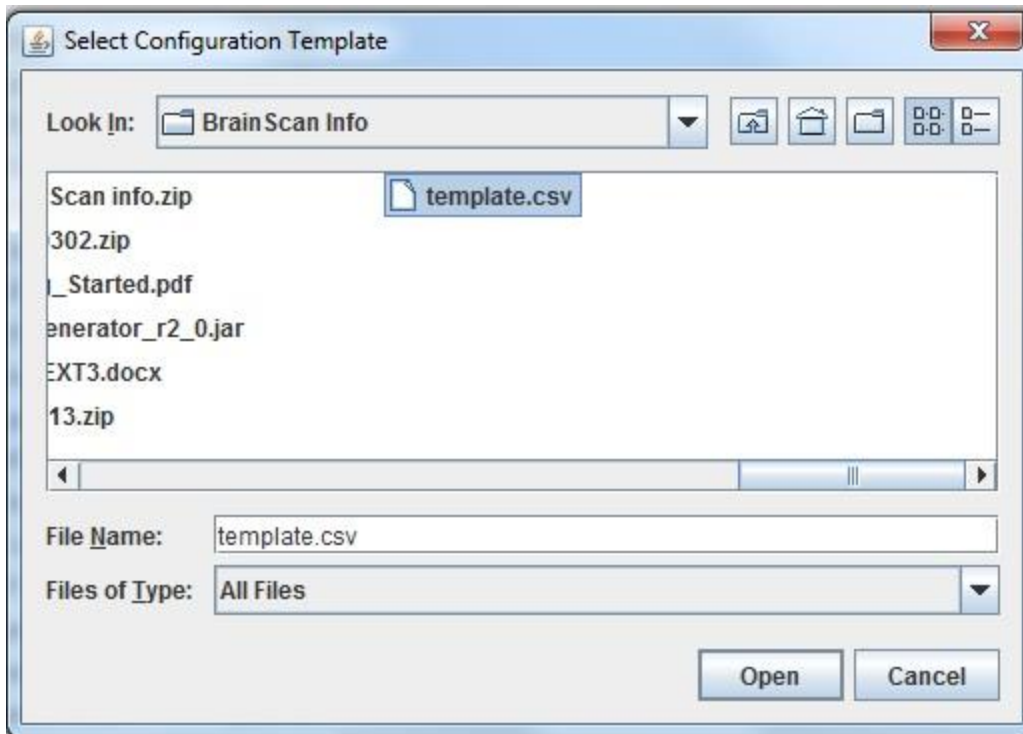
This will assign a specific IP address to the ProtoCessor module. This will not change IP settings of the BrainScan module/carrier kit.



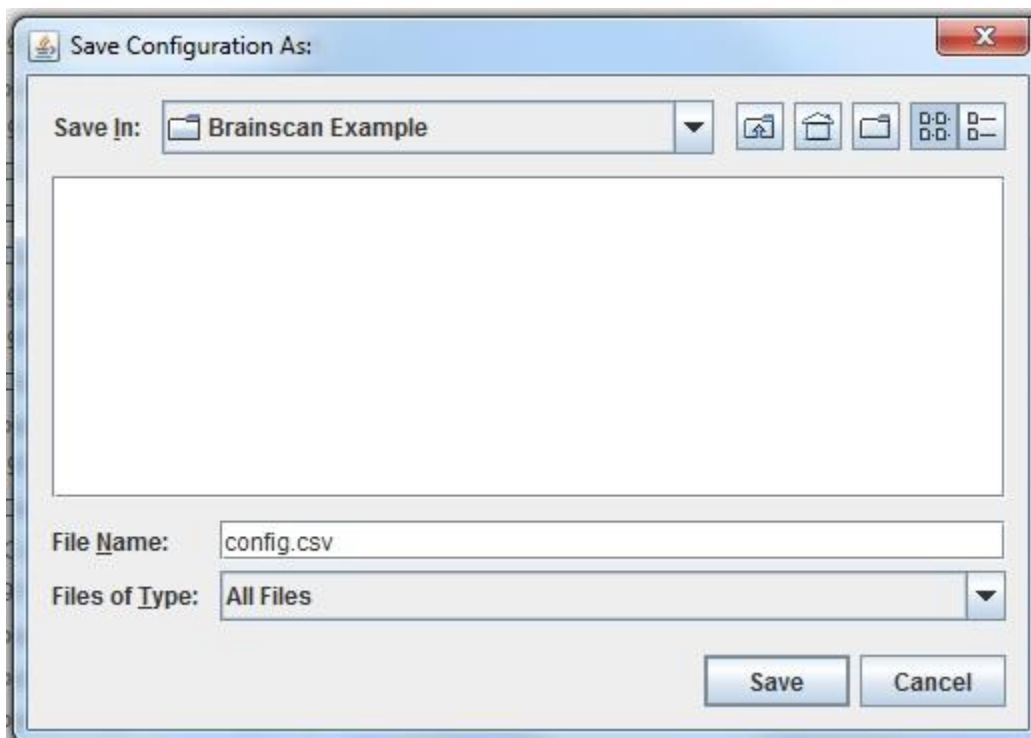
A screenshot of a 'ProtoCessor Configuration' dialog box. It has a blue title bar with a close button. The dialog contains five text input fields labeled 'BACnet MSTP Baud Rate', 'BACnet MSTP MAC Address', 'BACnet MSTP Node ID', 'BACnet IP Node ID', and 'Modbus TCP Node ID'. An 'OK' button is at the bottom.

The ProtoCessor is shipped with the default settings:

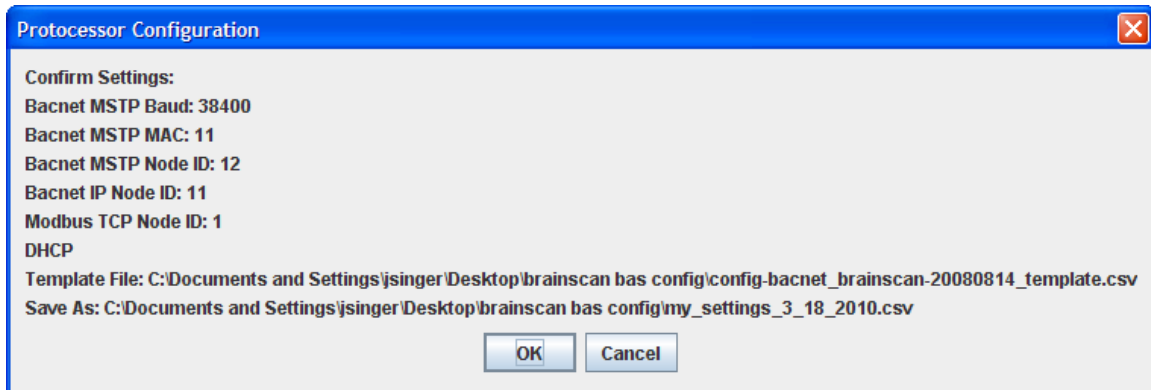
- BACnet MSTP Baud Rate: 38400
- BACnet MSTP MAC Address: 11
- BACnet MSTP Node ID: 12
- BACnet IP Node ID: 11
- Modbus TCP Node ID: 1



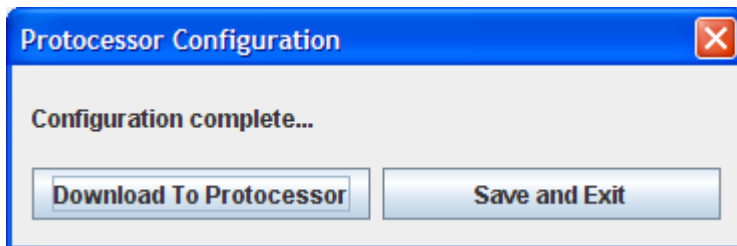
At this point, you will need to load the template.csv which is located in the same directory as the .jar program file.



Save the configuration as config.csv in a folder named for the project or location. **Be sure to add the file extension .csv**

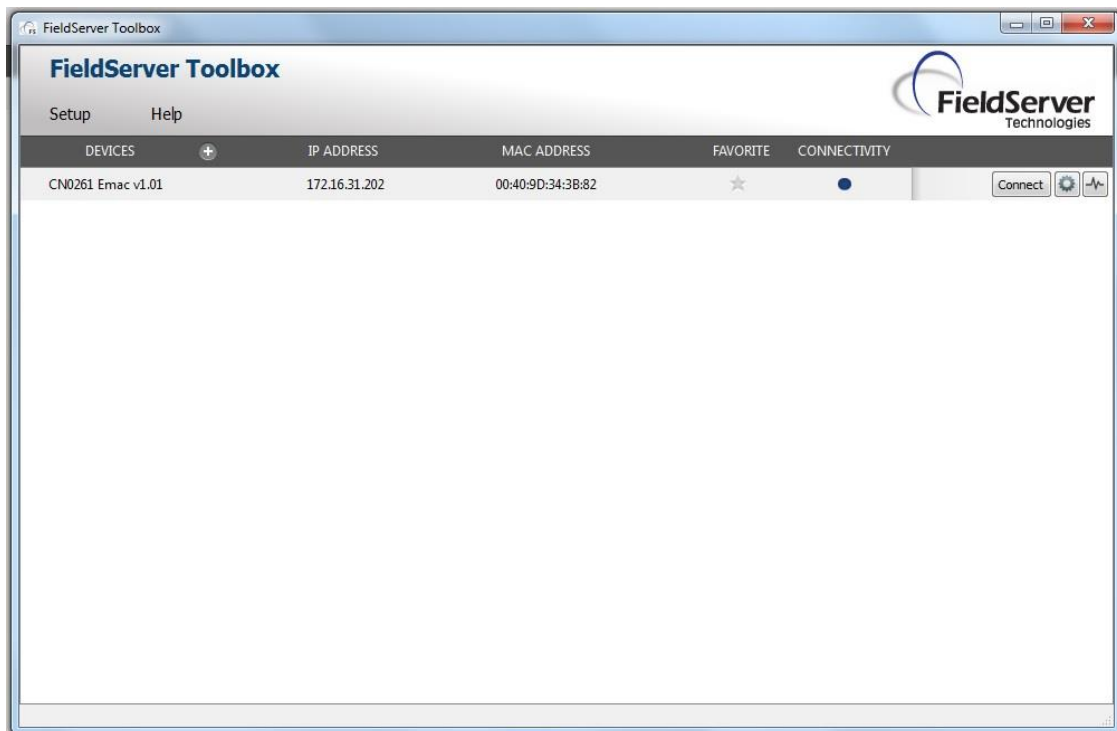


A confirmation screen will display the values which will be written to the ProtoCessor module.

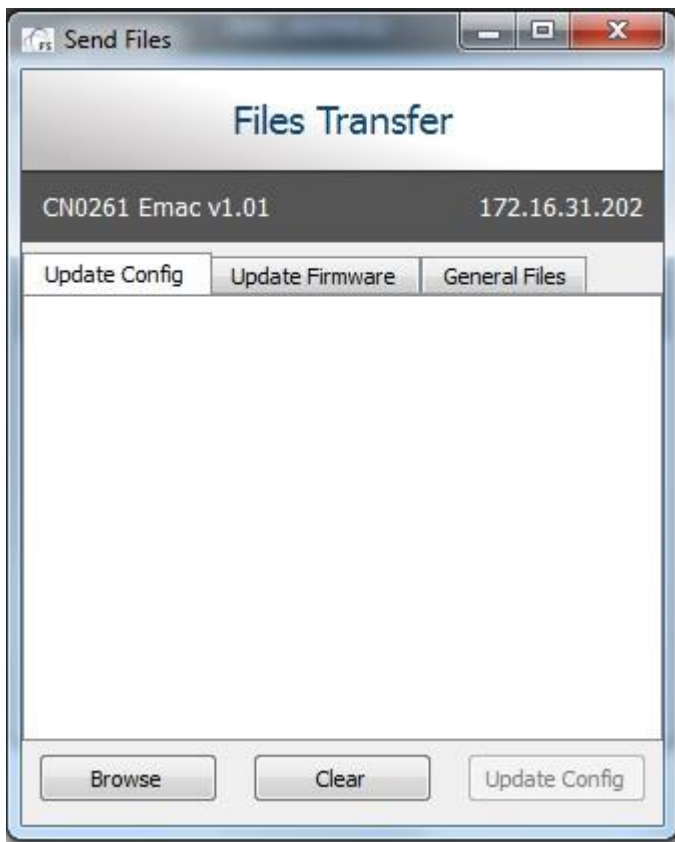
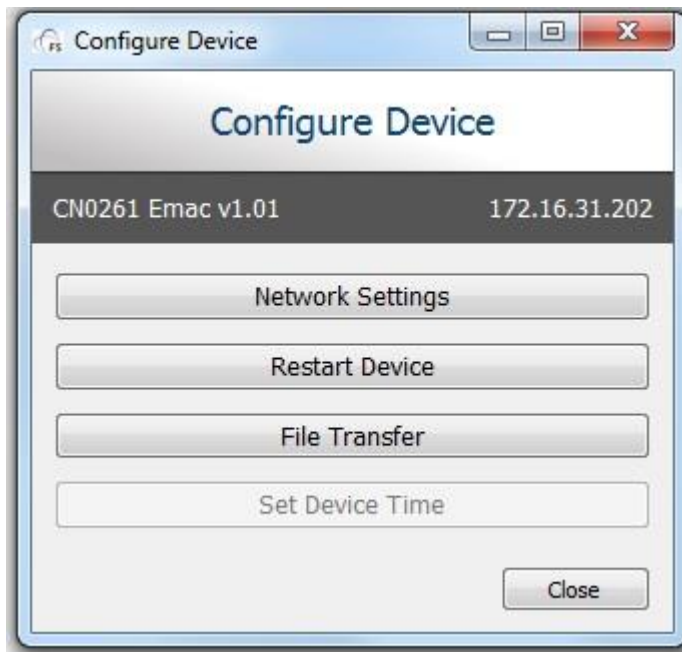


At this point you will save and exit.

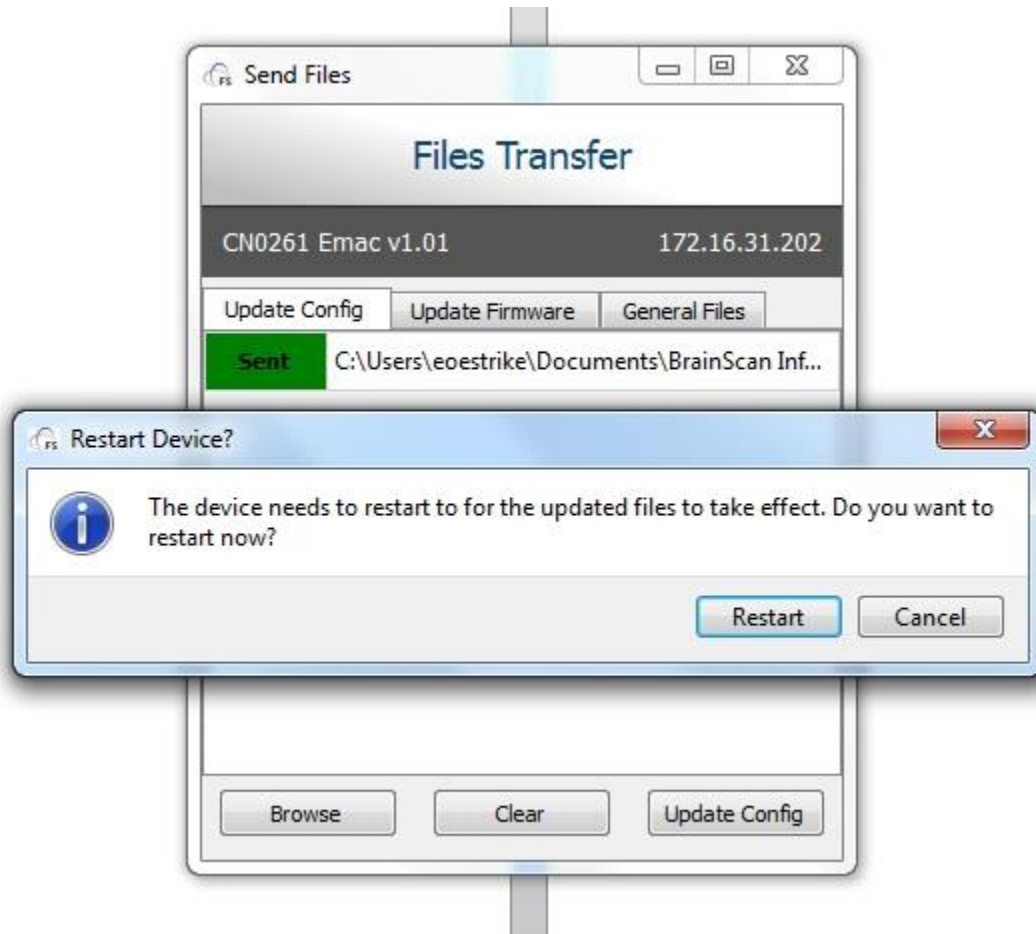
Open the fieldserver toolbox program. The program will find your protoCessor.



To the right next to the connect button is a config icon. Choose File Transfer.



Select Browse. Find your folder that has the correct config.csv file inside. Once selected press update config



Select restart and your fieldserver toolbox will lose communication with the protocessor for a few seconds then reappear. Programming is complete.