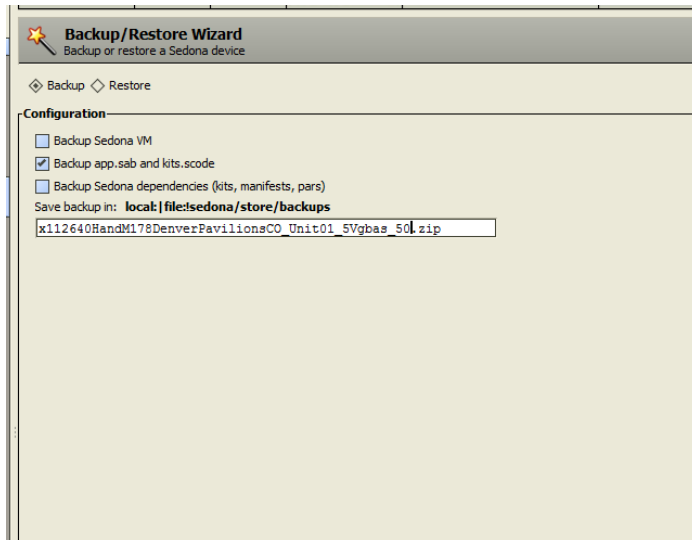
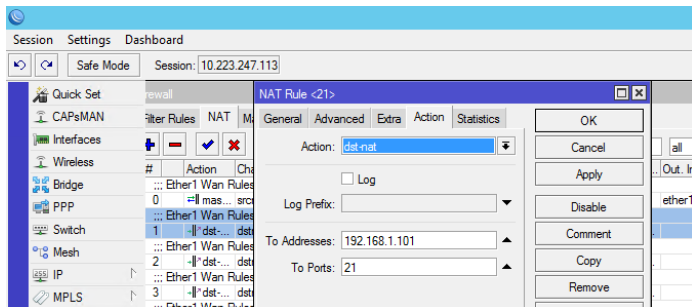


So you want to upgrade firmware for BACnet.

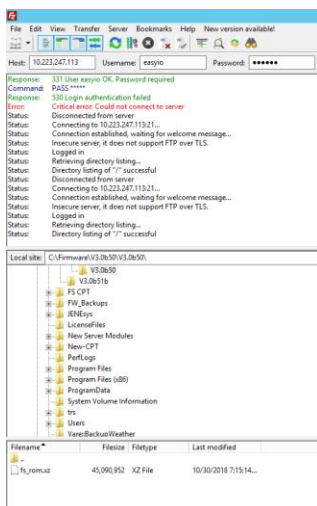
Make a backup. Note the firmware in the backup name.



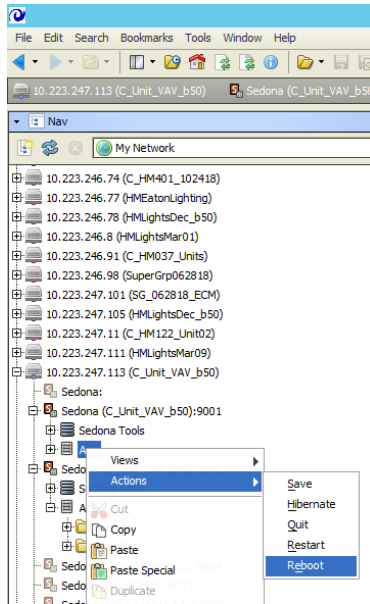
Use Winbox to aim port 21 at the controller you're updating the firmware on.



Use Filezilla to access the FTP directory on the controller and copy the fs_rom.xz file to the empty directory.

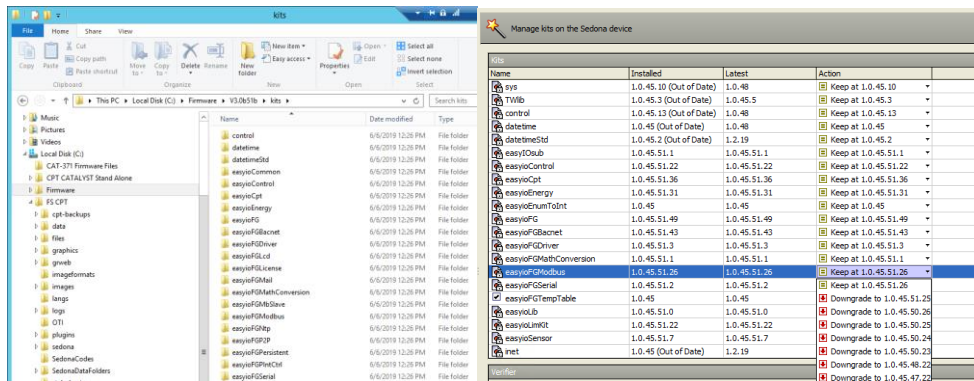


Disable Tcom for that unit under the Tcom network, then reboot the controller. Ping the controller through Winbox and when it begins to ping again move on to the next step.



Log into the controller. The app should be blank.

Restore the backup of the app from earlier and open the Kit Manager as well as the firmware kits folder. Work down from the list of kits matching what's in the folder, either upgrading or keeping them the same. It is important that the kit match the firmware and that it be the latest version. For example, easyioFGModbus-3aa4ad7c-1.0.45.51.26 would match the firmware of 51 and the largest ending digits are 26.

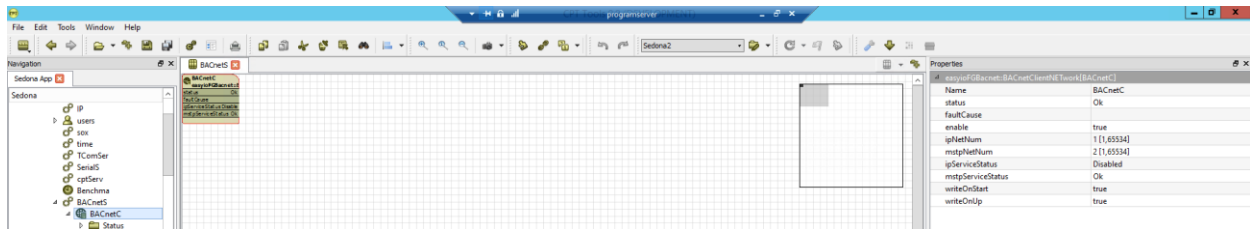


Because sometimes a kit relies on another being installed before it can be installed, upgrading the kits a few at a time will keep version conflicts from happening. Or selecting Undo Changes and changing the order of selected kits can help.

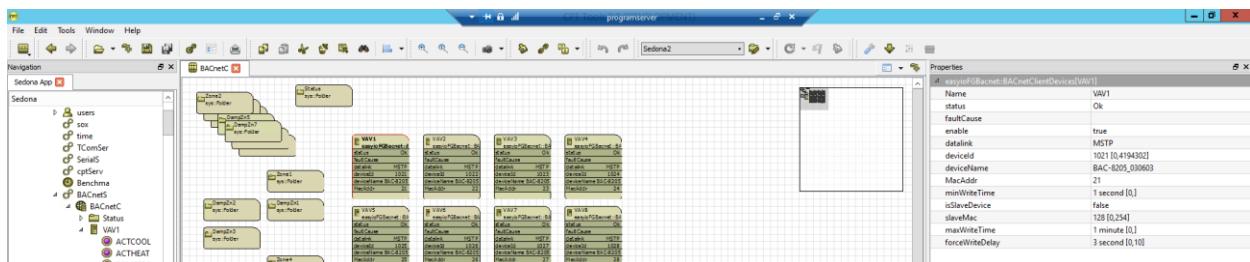
Do not update the TWLib or Tcom kits.

Sometimes kit changes can cause components to revert to default values. It's important to check PID loops and Modbus and Bacnet points for functionality, as well as other components.

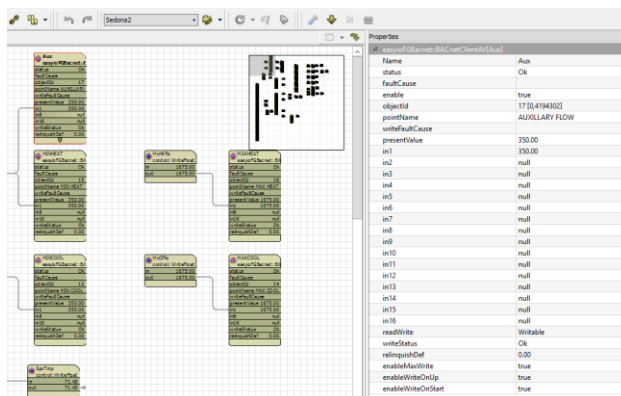
Once kits are updated and the components checked, use the CPT tool to navigate to Service/BACnetS/BACnetC and ensure writeOnStart and writeOnUp are both true.



Then make sure that the Bacnet controllers are communicating. Click them and set the maxWriteTime to 1 minute.



Navigate into the BACnet device folder. All of the writeable points will need to have their enableMaxWrite, enableWriteOnUp, and enableWriteOnStart set to true.



It's easier to click with a mouse and use the arrow keys to select true.

Rename the app to match the new firmware. For example, C_Unit_VAV_b51 and backup the app noting the firmware version as well.

Copy this name into the manager under the Controller Versioning tab.

Rev.C