RSViewME 3.00.01/3.10.00 - Setting up DF1 or DH485 Communications to a Micrologix, SLC, or PLC(DF1 only) processor

Communication setup for Local Shortcut, (Used in order to test run the program on your Windows 2000 or XP box, or running the ME runtime on a windows 2000 Professional or XP Professional box).

Note: Serial DH485 is not supported for local, also note there are no drivers for a PCMK card in the Add Driver Selection window, therefore it is not supported. That is why in this example we are using Serial DF1 for the local. You can also use 1784-PKTX for local DH485 communications if you are using a desktop computer.

Cables for communication between PanelView Plus/VersaView CE device and processor:

Micrologix: 2711-NC21, 2711-NC22
                    1761-CBL-AM00 (with null modem adapter) *
                    1761-CBL-PM02 (with null modem adapter) *
                    2711-CBL-PM05 (with null modem adapter) *
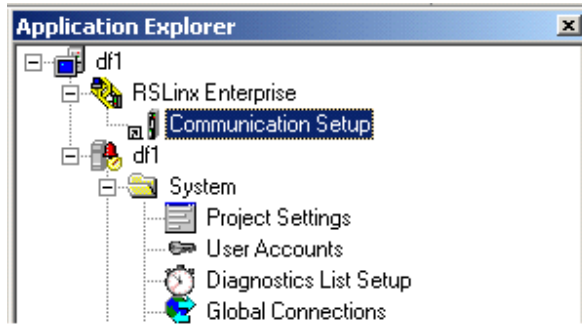   2711-CBL-PM10 (with null modem adapter) *

SLC: 2711-NC13
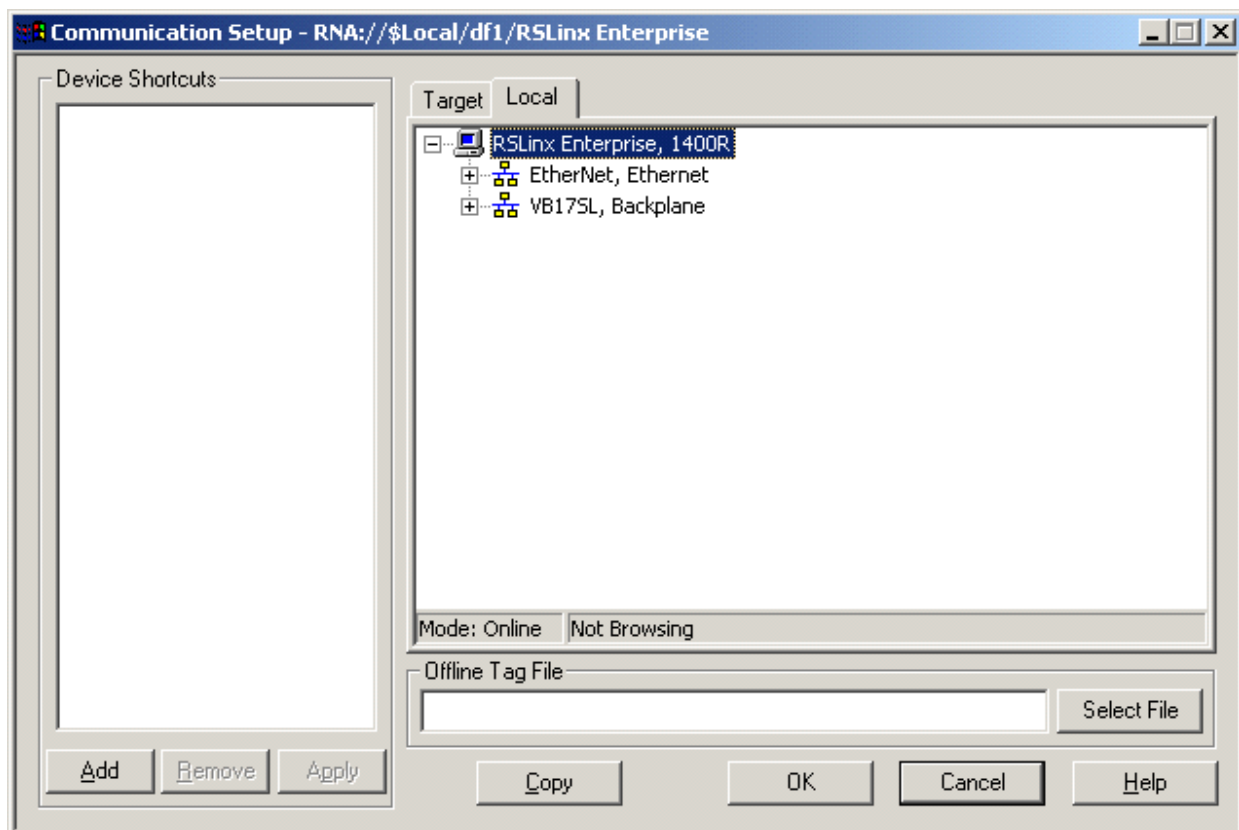PLC: 2711-NC13 with 9 pin to 25 pin adapter.

* null modem adapter: Radio Shack catalog # 26-264

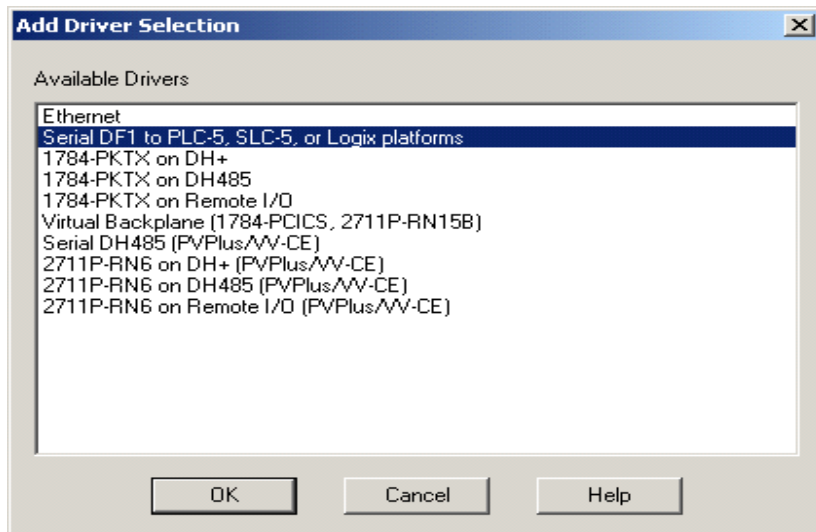**Cables for Windows 2000 runtime/programming-testing to processor:**

Micrologix: 1761-CBL-P02, 1761-CBL-PM02
SLC: 1747-CP3
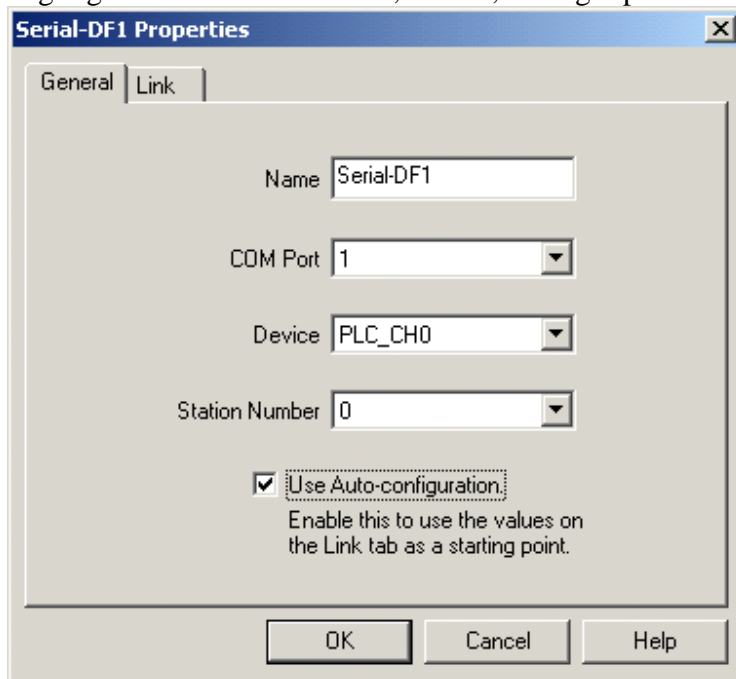PLC: 1747-CP3 with 9 pin to 25 pin adapter

Go to RSlinx Enterprise and double click on Communication Setup.

Go to your local tab and do a right click on RSLinx Enterprise and choose Add Driver.

Highlight Serial DF1 to PLC-5, SLC-5, or Logix platforms then click on OK.

Put a check mark next to Use Auto-configuration, and make sure COM Port 1 is chosen if you are going to communicate to a PanelviewPlus, VersaView CE device or a 6182. You can also manually configure the DF1 driver if you happen to know the device, baud rate, error checking, parity etc.
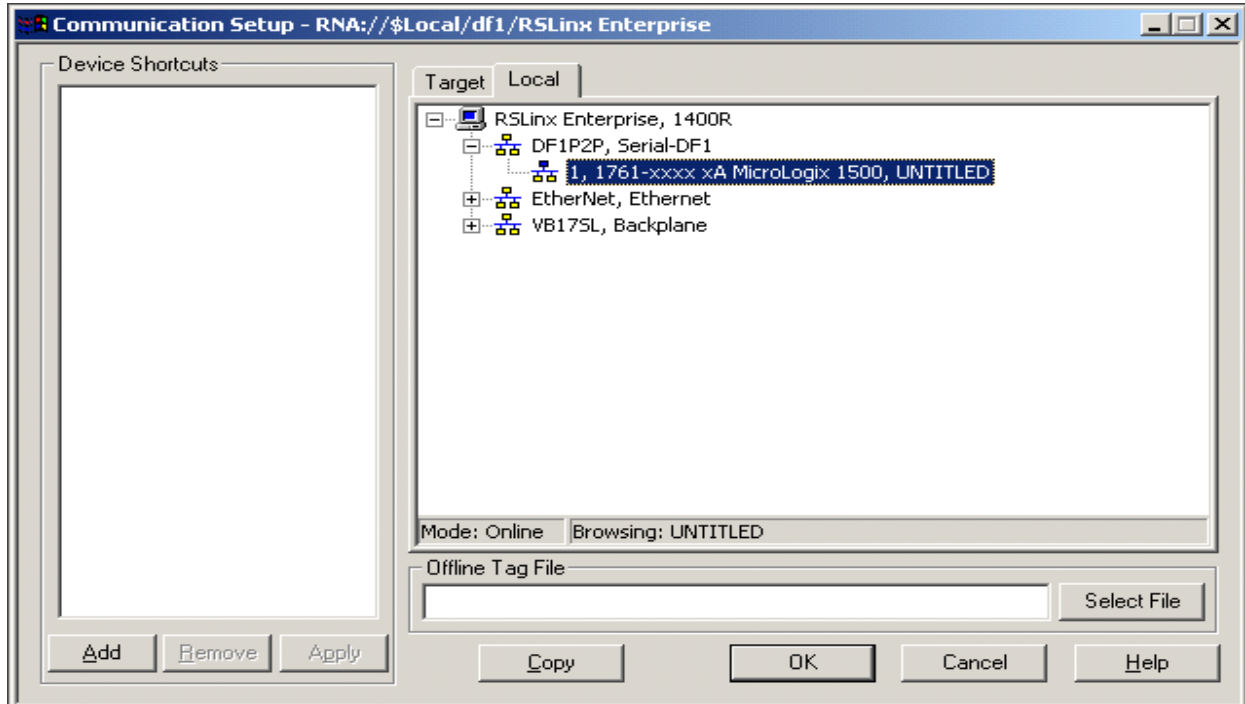
You should see your processor under the DF1 driver you just created, if you do not see your processor under your DF1 driver save your application, close out of RSView ME and then restart RSView ME.
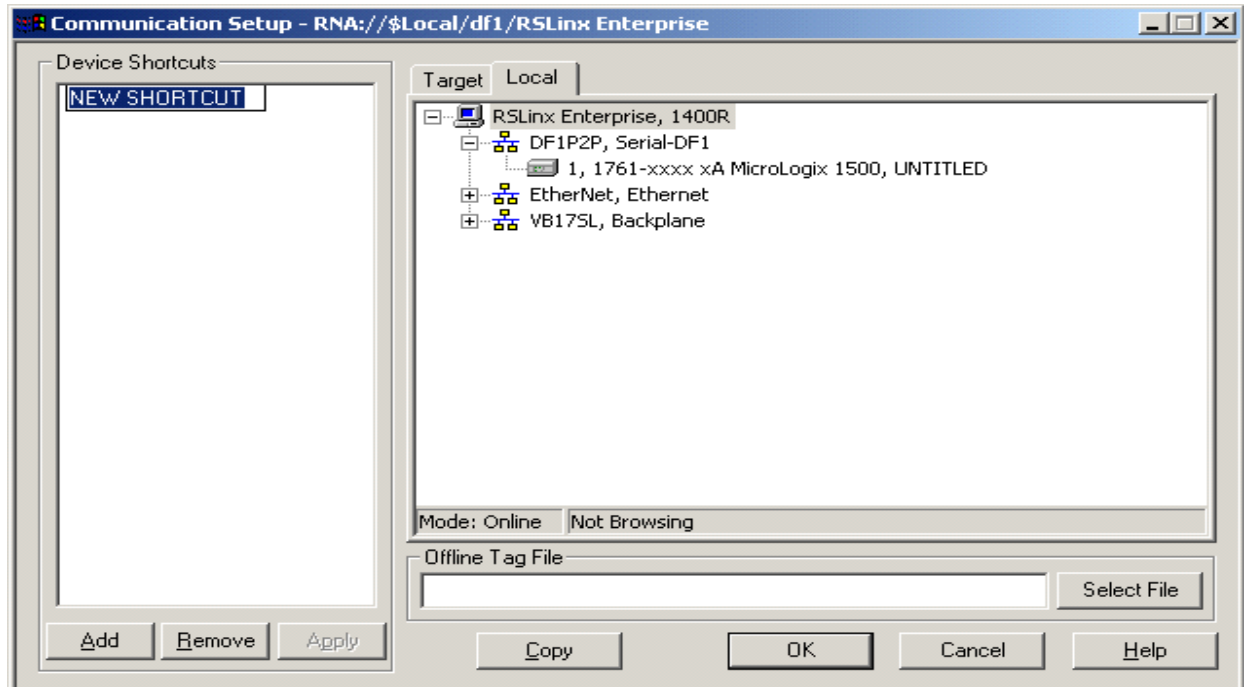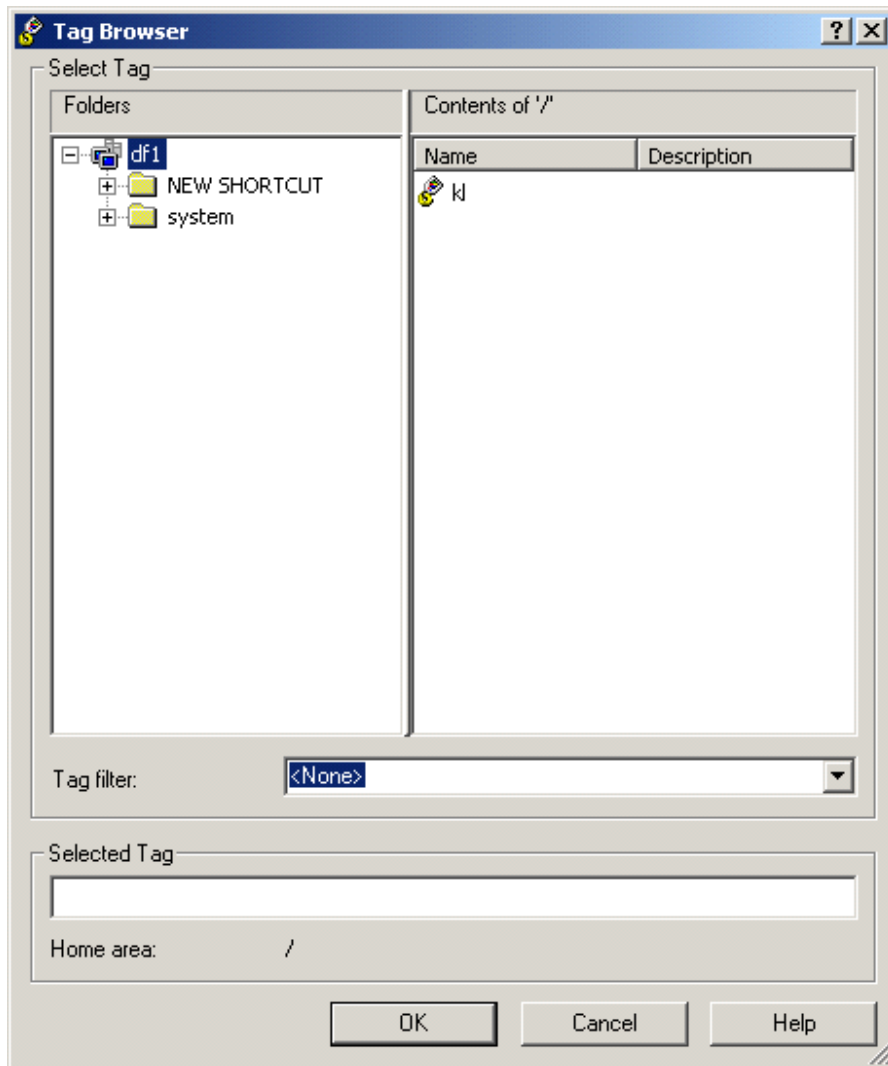

Create a new shortcut by clicking on Add, then give the shortcut a name.
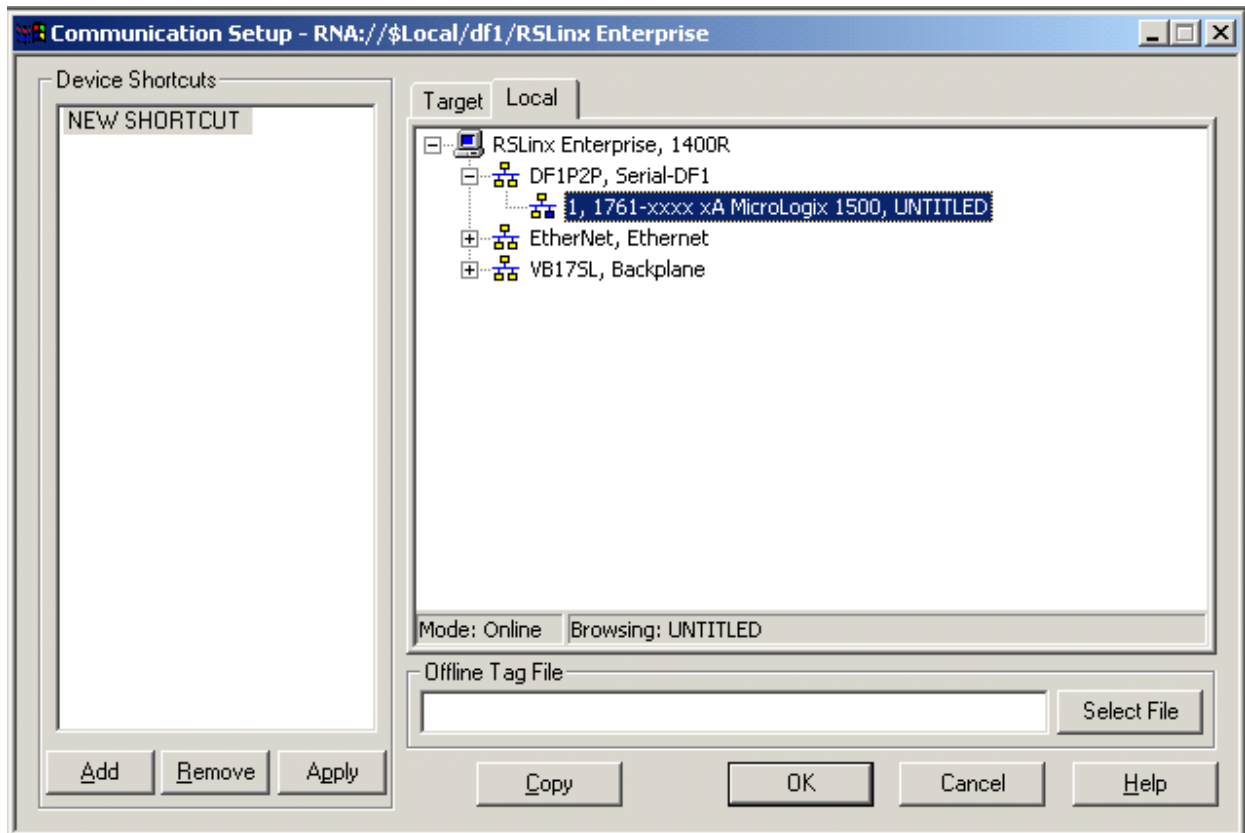
Next, associate the shortcut with your processor by highlighting your processor and clicking on the apply button.
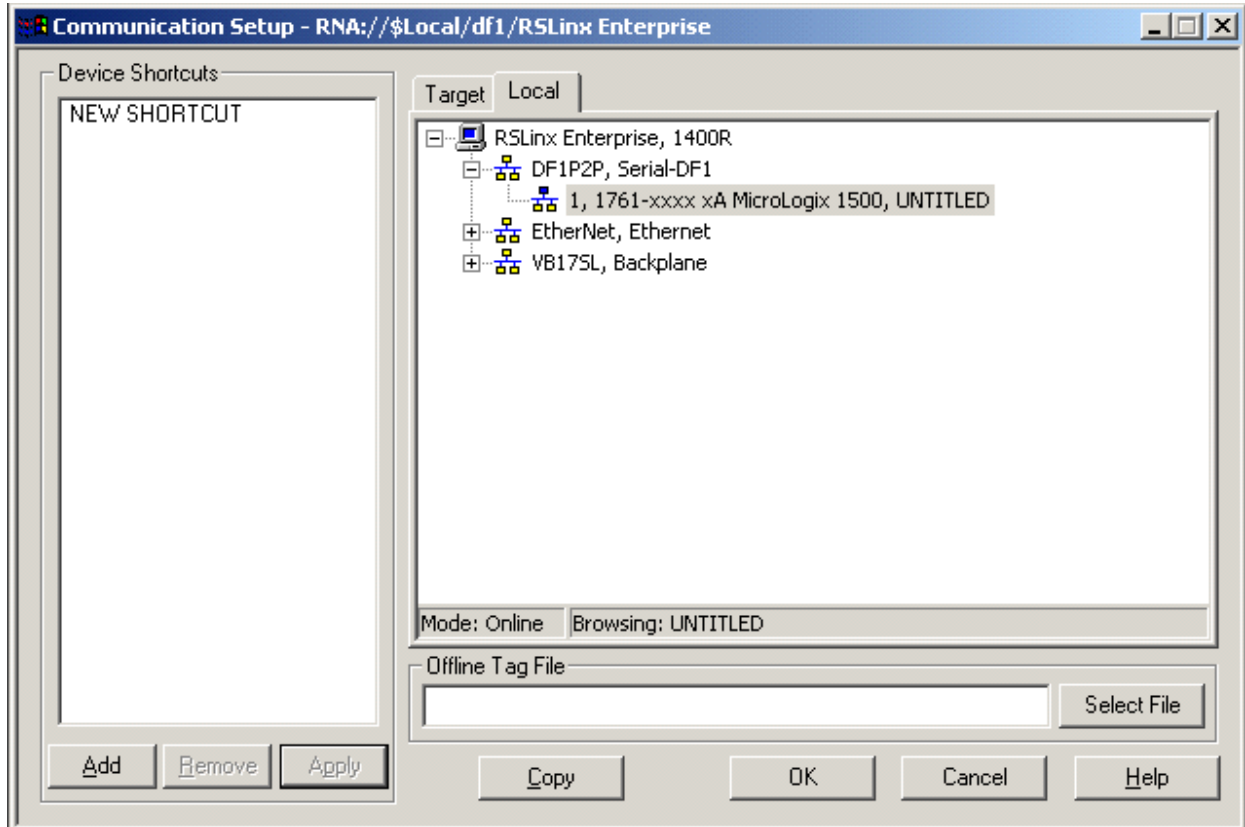
The Apply button should then be greyed out, meaning the processor has now been associated with the shortcut.

After creating an object, double click on the object and go to your Connections tab. You can directly assign tags by browsing online, click on your browse button ⬜, you should see the Tag Browser above.
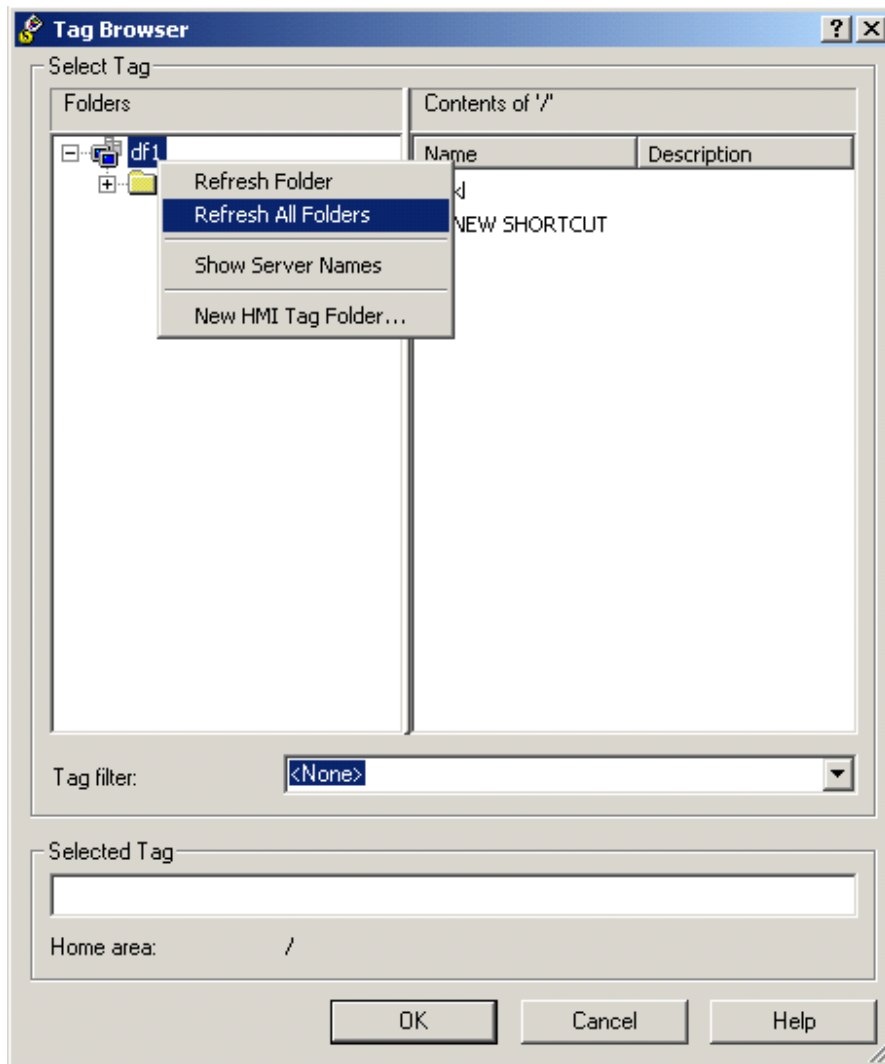
Do a right click on your project name and click on Refresh All Folders.
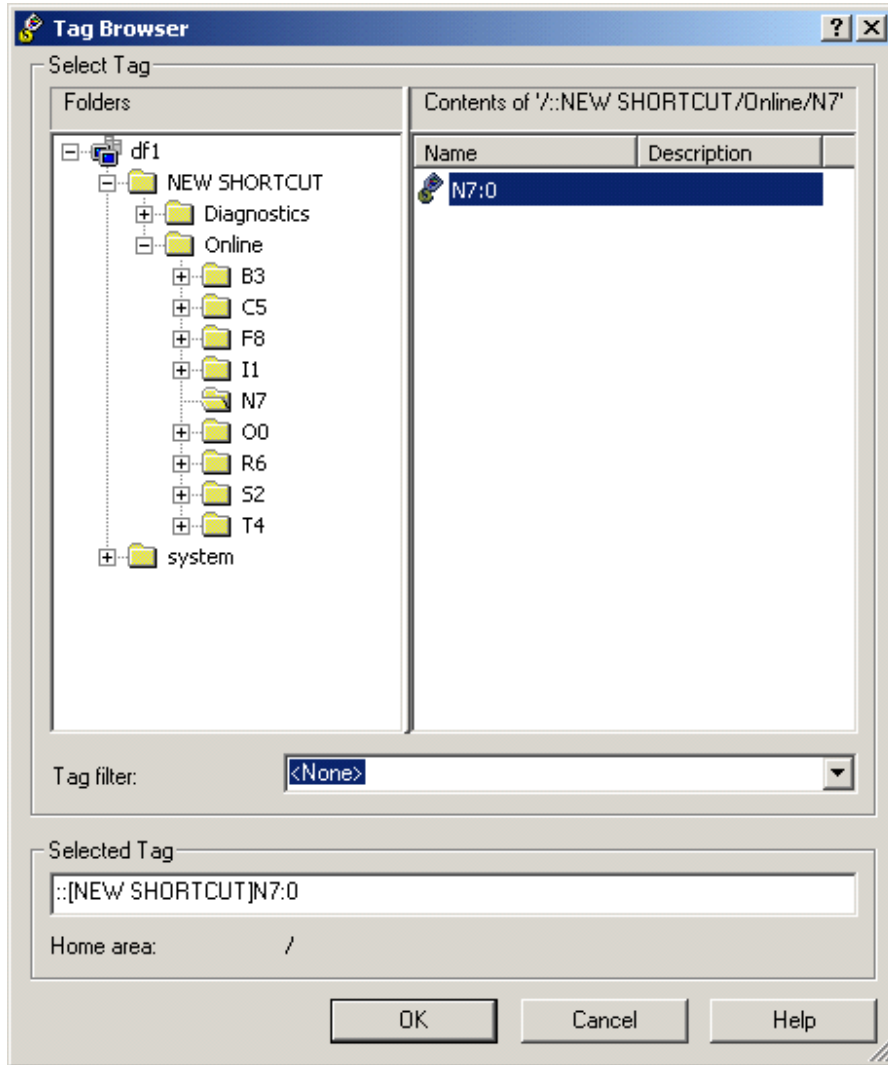
Expand our shortcut folder by clicking on the plus sign, you should see an Online folder (If not save application, exit out of RSViewME and restart RSViewME, if that does not work reboot your computer then restart RSView ME) with all your processor's datafiles. Highlight your tag address and click on OK.
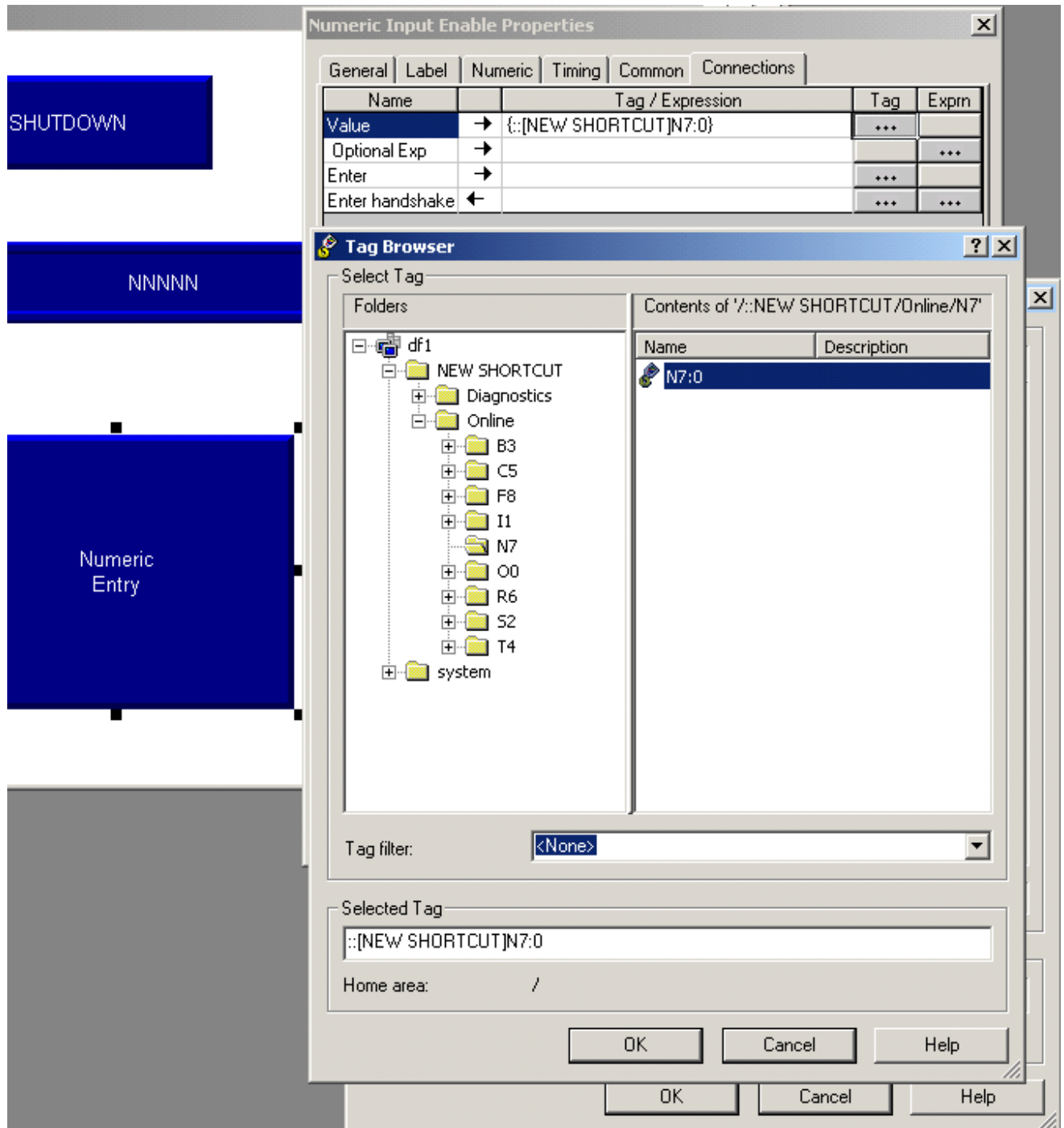
In this example the tag address is ::[NEW SHORTCUT]N7:0 with a tag name of {::[NEW SHORTCUT]N7:0}
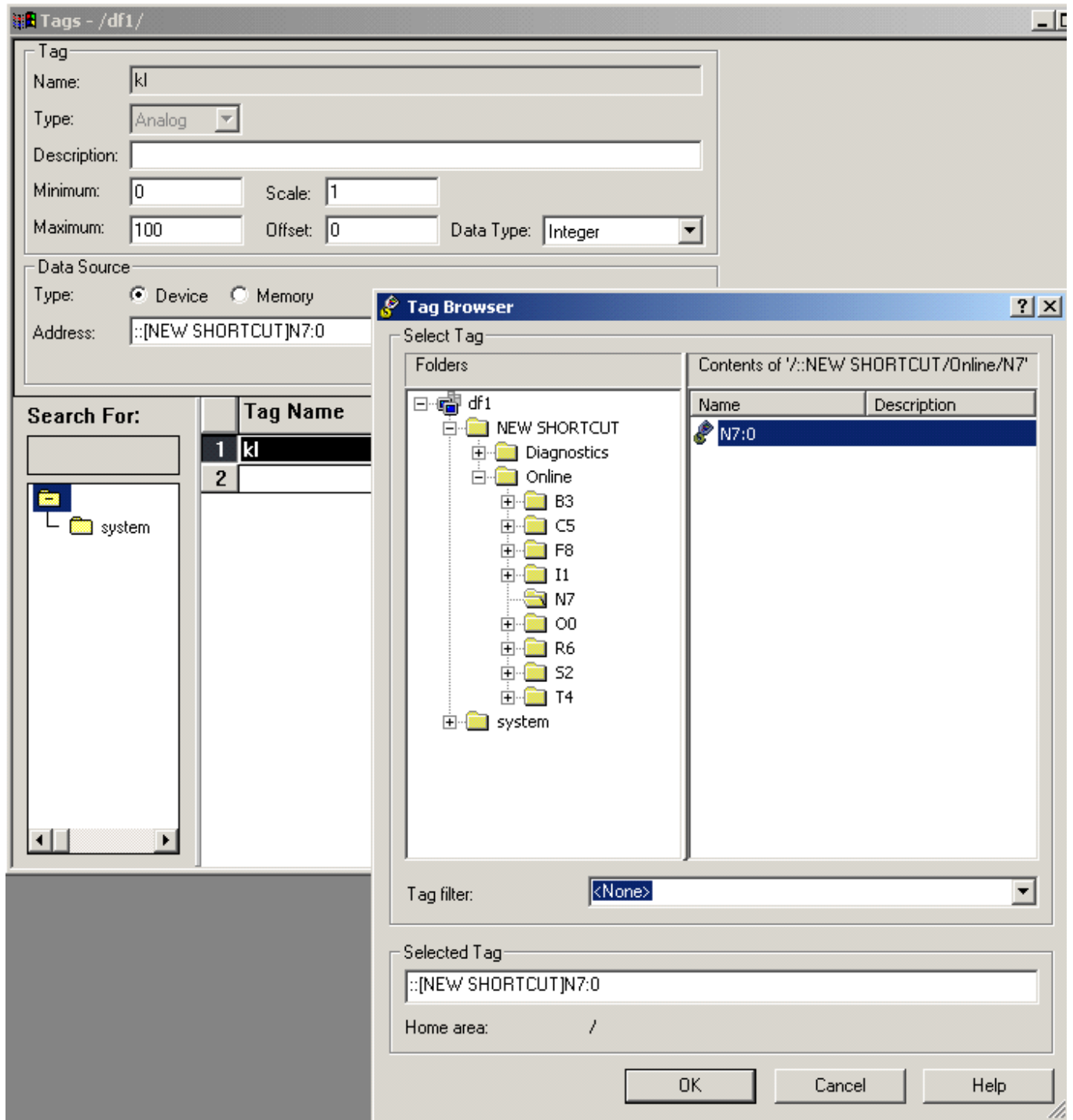
HMI Tags are done in same similar manner, this time you are associating a Name to the tag address as in the example above, kl is a tag with an address of
::[NEW SHORTCUT]N7:0
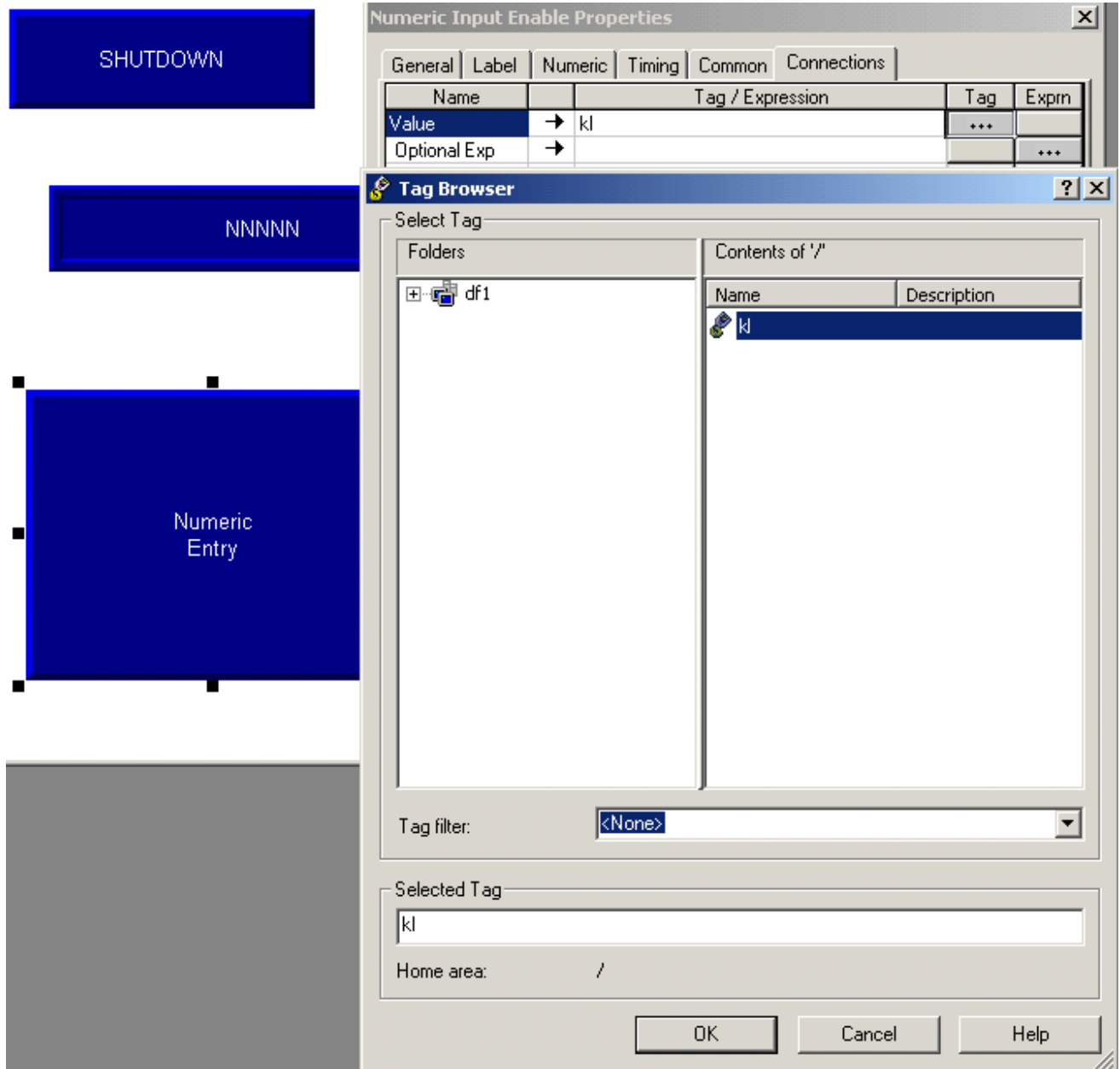
When assigning HMI Tag to an object you will choose the tag name from the appropriate folder, in this case kl is in the root of my df1 project.

After you have successfully tested each screen after pressing [image] or the whole application by pressing [image] you are now ready to create a runtime.

Configuring your Target Shortcut.

Your Target shortcut will be used to compile your mer file. This is where you will tell RsViewME how you are going to communicate to the processor.
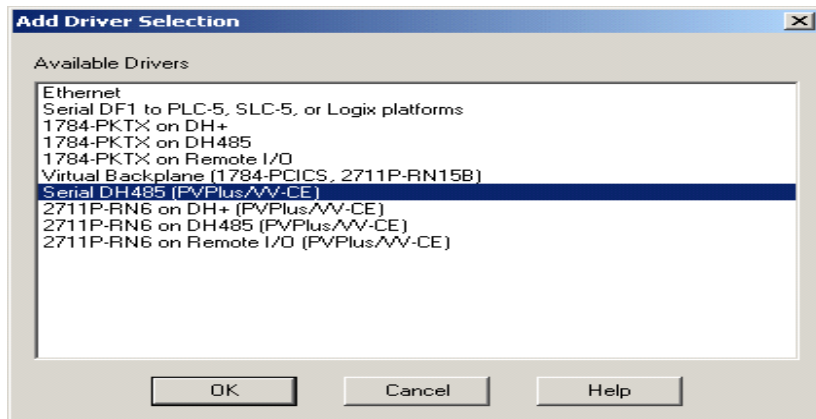
Go to your Target tab and click on Serial DH485(PVPlus/VV-CE).

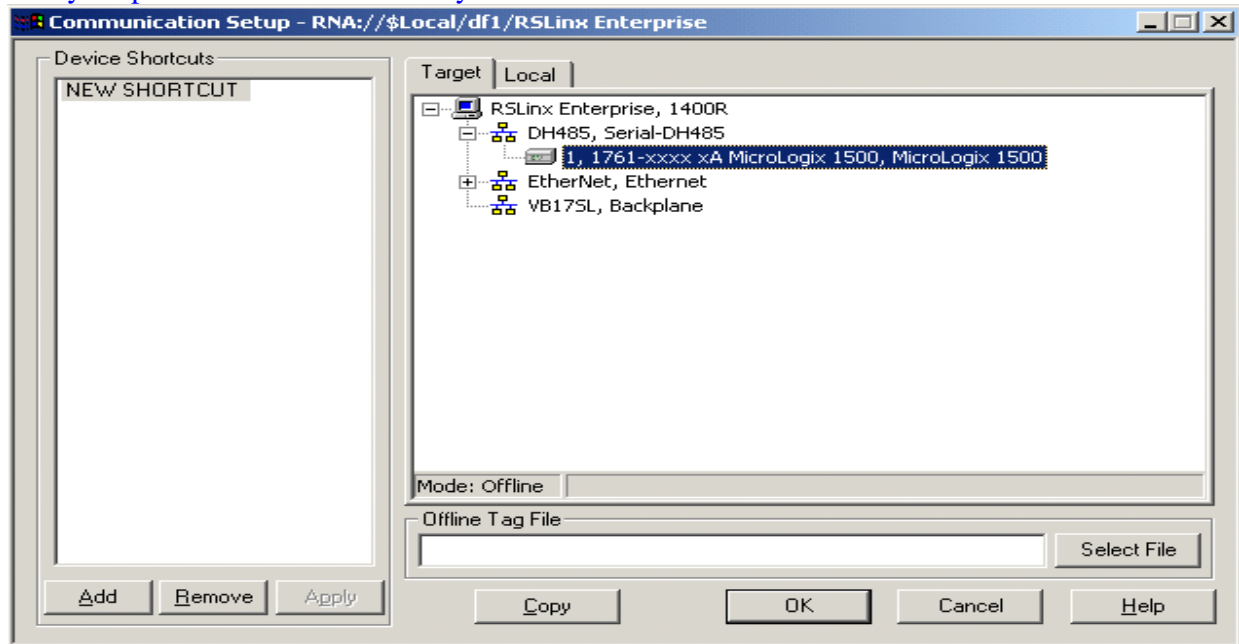Note: If you are configuring for Serial DF1 communications you can just click on the copy button to copy your Local Settings to your Target, this will automatically shut down Communication Setup, you should double click on Communication Setup and again and make sure your processor is associated to your shortcut.

Make sure you also change your channel of your processor from DF1 to DH485, your processor should now appear below your dh485 driver. Make sure you also highlight your processor and click on apply to apply to your existing shortcut.

Note: For DF1 serial communications no changes to your processor need to be made.
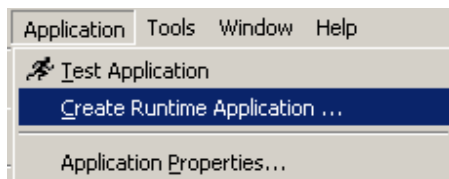
Your are now ready to create a runtime file for your Panelview/VersaView-CE device, Click on Application on your top toolbar and click on Create Runtime Application. Your file should be

saved under the default Runtime folder located under c:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\Runtime.
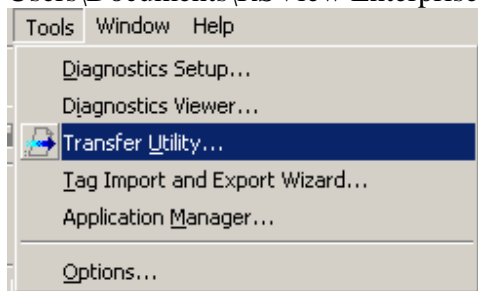

You can either transfer your application via activesync, memory card, Ethernet or df1 to your Panelview/VersaView-CE device. For downloading/uploading Ethernet or DF1 use the Transfer Utility found under tools in RSViewME or Start-->Programs-->Rockwell Software-->RSView Enterprise-->ToolsME-->Transfer Utility.

If you are going to download via Ethernet make sure your panelview plus is in the same subnet as your laptop/desktop. Load your Ethernet driver under you Local tab in Communication Setup and make sure it is browsing as shown below.
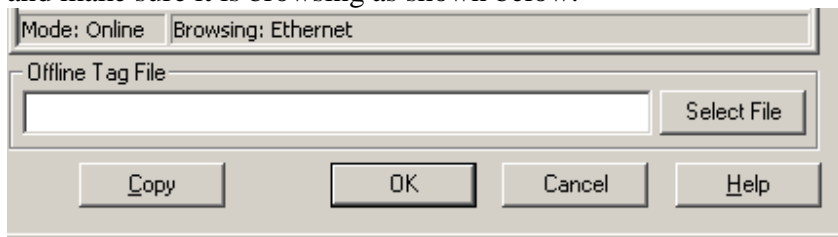
Next goto your Transfer Utility and highlight your Panelview/VersaView-CE device under your Ethernet driver and click on download. If you are getting an error like: "The destination selected is not a valid device. Please select a valid destination and try again." As shown below:

Try deleting your Ethernet driver in your local then re-add it back in again.

For instructions on setting up Activesync on a VersaViewCE/6182(does not work PanelView Plus) see Knowledge Base Document **A46335617 - How to connect to the VersaView CE using Microsoft Active Sync and a serial connection.**

For instructions on setting up CE device for DF1 downloads/uploads see Knowledge Base Document **Q43456884 - Downloading via DF1 to a Panelview Plus or VersaView CE industrial computer**

If your are using a memory card to transfer your mer file Move all .mer files into the folder \Rockwell Software\RsViewME\Runtime. If the path does not exist, create it.