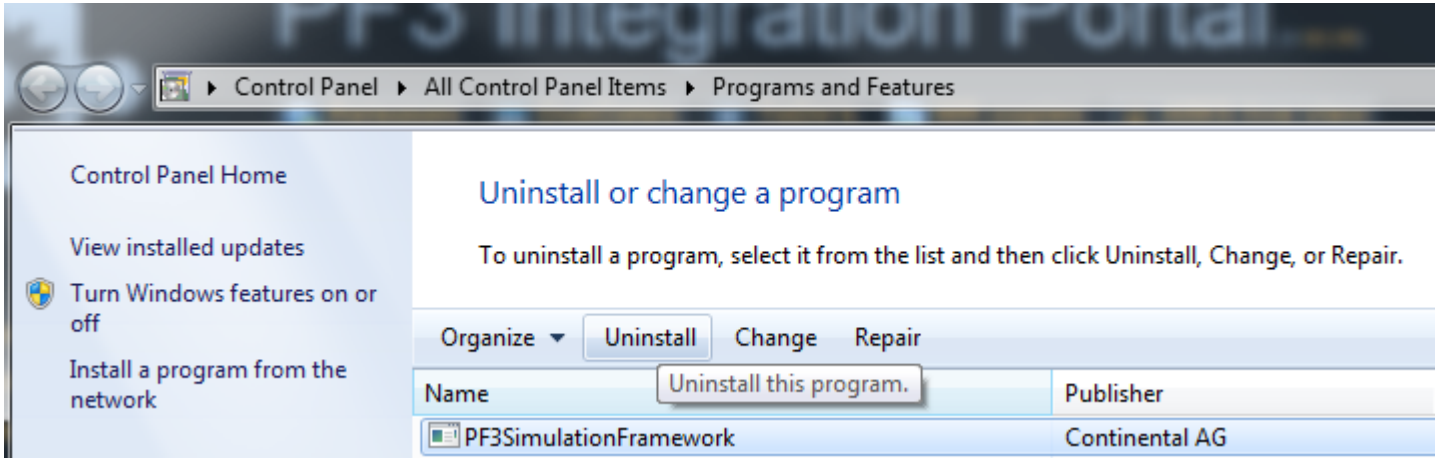
PF3 Simulation Framework 2.0

How to set up

- Uninstall older version (if installed)



- Install V2.0:
  \\cw01.contiwan.com\root\Loc\bbuv\did35324\PF3\PF3_BasicTools\VS2005_AddIn_PF3\

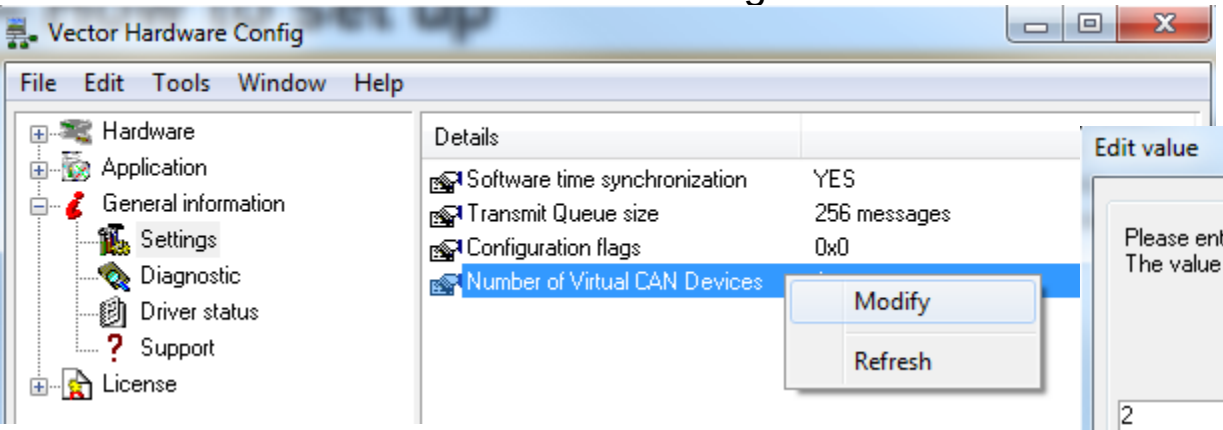
How to set up – HW CAN/SW CAN

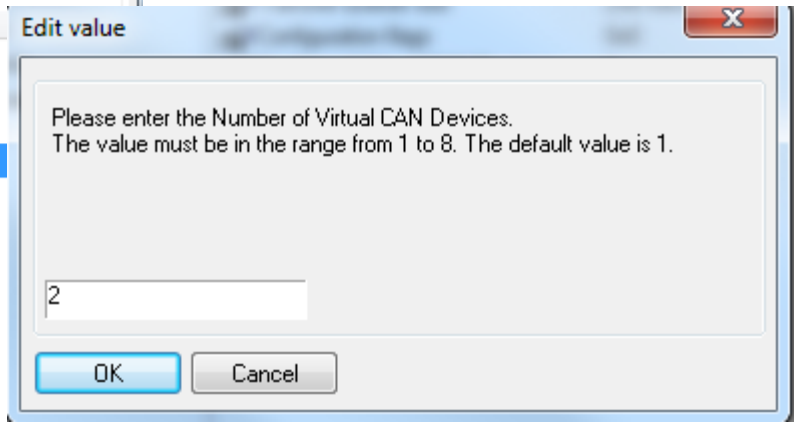
➢HW CAN: Connect channel 1 and channel 2 of your CAN case.

OR

➢SW CAN:

- Control Panel -> Vector Hardware
- General information -> Settings -> Number of Virtual CAN Devices -> Modify

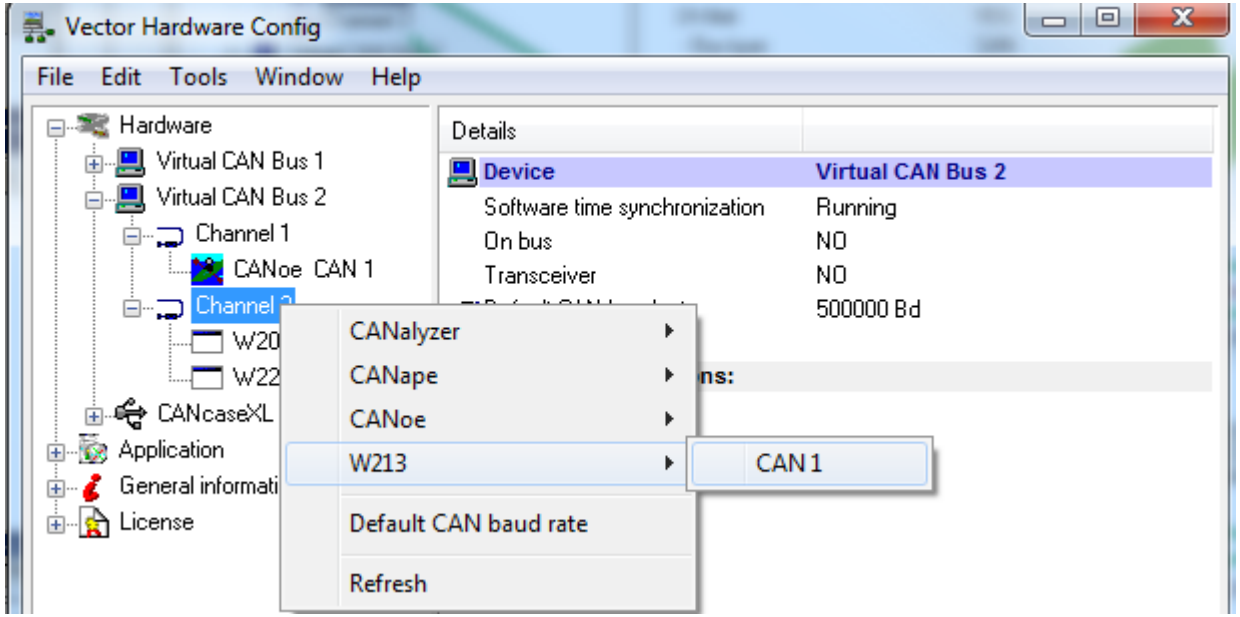




- Edit Value: 2
- Restart Computer

How to set up – SW CAN

- After restart: Control Panel -> Vector Hardware
- Hardware -> Virtual CAN Bus **2** -> Channel **1** -> Assign CANoe CAN1
- Hardware -> Virtual CAN Bus **2** -> Channel **2** -> Assign W213/W222/W205 CAN1



How to switch between HW CAN/SW CAN after the initial setup

- **Only after** the initial setup you can switch between HW/SW CAN using the following batch files:
  - \\cw01.contiwan.com\root\Loc\bbuv\did35324\PF3\PF3_BasicTools\VS2005_AddIn_PF3\switch_to_HW_CAN.bat
  - \\cw01.contiwan.com\root\Loc\bbuv\did35324\PF3\PF3_BasicTools\VS2005_AddIn_PF3\switch_to_SW_CAN.bat

- The operation can also be done manually:

Switch to HW CAN:

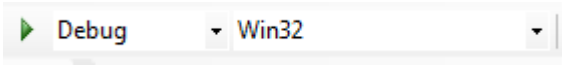
- Control Panel -> Vector Hardware
- Hardware -> ***CANcaseXL*** -> ***CANpiggy 251opto*** -> Assign CANoe CAN1
- Note: ***CANcaseXL*** -> ***CANpiggy 251opto*** represents Channel 1 of your CANcase; names may be different depending on your actual hardware

Switch to SW CAN:

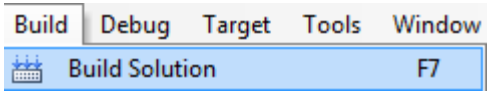
- Control Panel -> Vector Hardware
- Hardware -> Virtual CAN Bus **2** -> Channel **1** -> Assign CANoe CAN1

How to prepare solution for Simulation

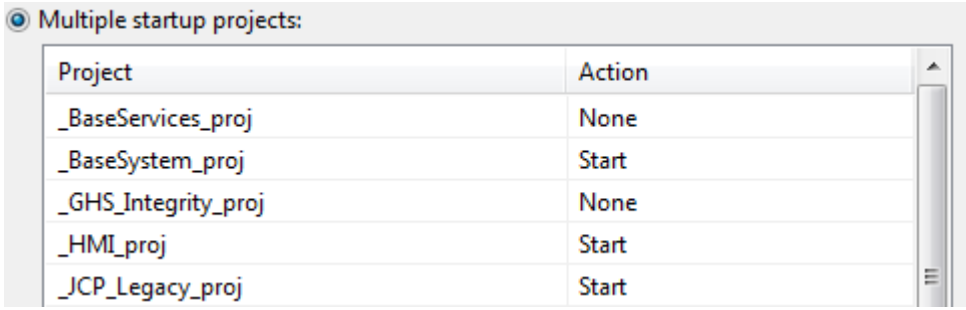
- 1. Open GC SW frame as usual: install.bat, goMSVCnet.bat
- 2. Switch MSVC solution from Multi2000 to Debug



- 3. Pre Build
  - 222/205: Pre Build -> Simu: HMI (EPF + RSST)
  - 213HL: Pre Build -> Prepare Build Workspace
- 4. Build Solution (F7)



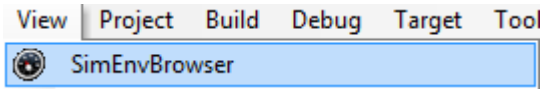
- 5. 213HL only:
  - Right click solution
  - Click “Set StartUp Projects…”
  - Common Properties -> Startup Project
  - Select “Multiple startup projects:”



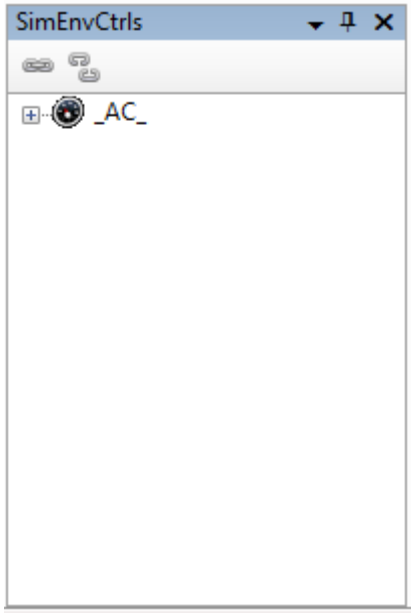
  - Set “_BaseSystem_proj”, “_HMI_proj” and “_JCP_Legacy_proj” to “Start”
  - Only starting with E007pre35 set “_BaseSystem_proj”, “_HMI_proj”,“_JCP_Legacy_proj” **and “_SafeGraphics_”** to “Start”

How to open Simulation Framework Browser

- Open Simulation Framework Browser: View -> SimEnvBrowser

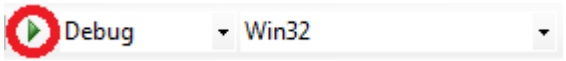


- => The browser is opened:



How to start/stop

- Switch MSVC Solution from Multi2000 to Debug
- Start Simulation via toolbar or F5



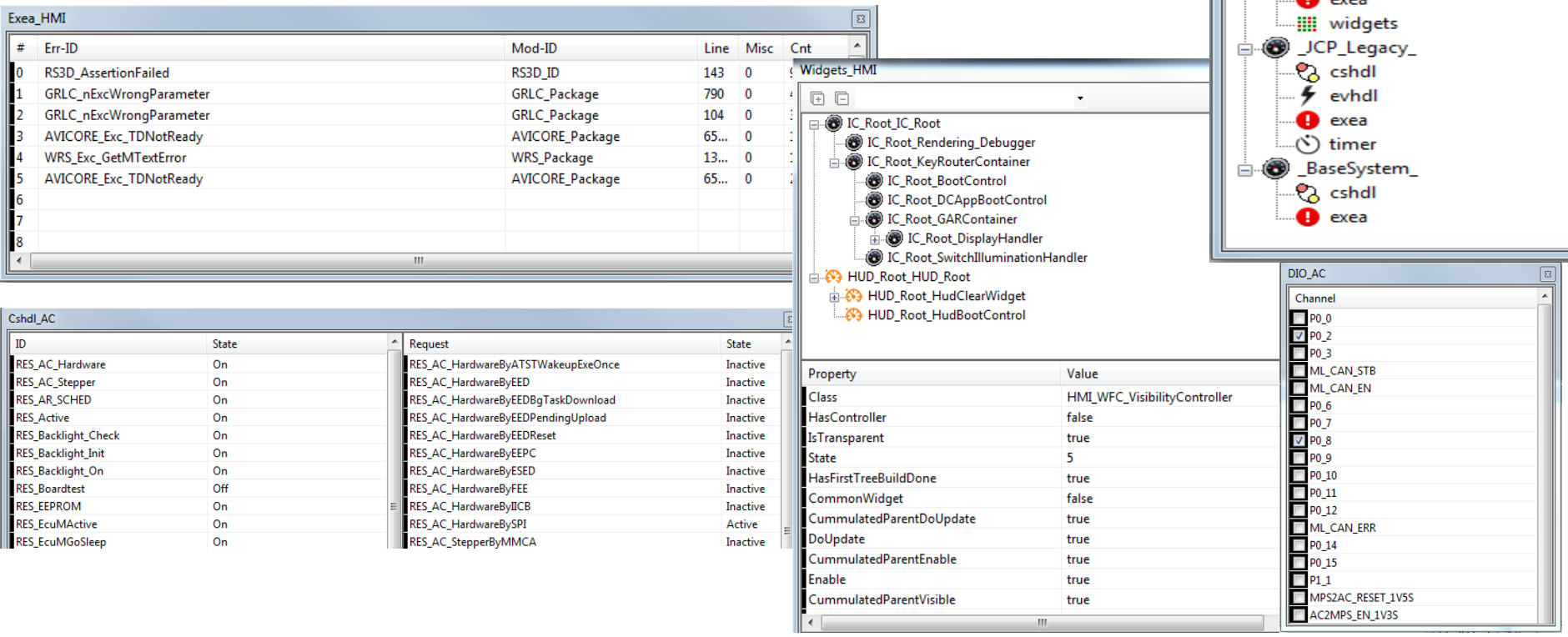
- Two windows should appear: IC Main Display and HUD Display

- Now you can use the project related CANoe simulation

- Stopping the Simulation is done via toolbar or Shift+F5

How to use

- Use the SimEnvBrowser to show the different visualizers.
- Expand the leaf corresponding to AC or GC tasks to see which views/editors are available for it.
- Double click an entry to show the corresponding visualizer.



Tips & Tricks

➢In case the following error occurs during build for Simulation:

Error List

4 Errors | 99 Warnings | 0 Messages

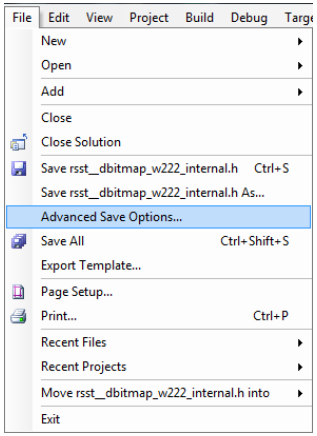
	Description	File	Lin
100	error C4335: Mac file format detected: please convert the source file to either DOS or UNIX format	rsst__dbitmap_w222_i	1
101	error C4335: Mac file format detected: please convert the source file to either DOS or UNIX format	rsst__dbitmap_w222_i	1
102	error C4335: Mac file format detected: please convert the source file to either DOS or UNIX format	rsst__dbitmap_w222_i	1
103	error BK1506 : cannot open file '.\ide\tmp\vs\WRS_FinalHooks.sbr': No such file or directory	BSCMAKE	

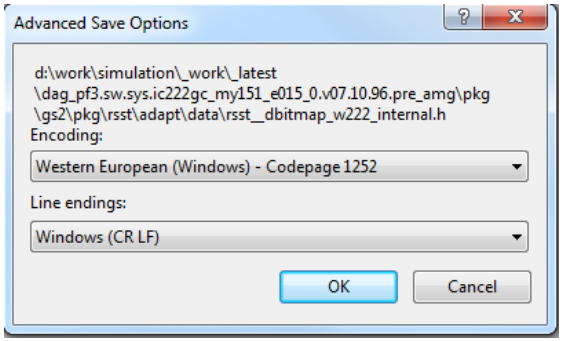
the following steps need to be taken:

- 1. Double click on the error so the “problematic” generated file is opened.
- 2. File -> Advanced Save Options
- 3. Select “Windows (CR LF)”

as Line endings

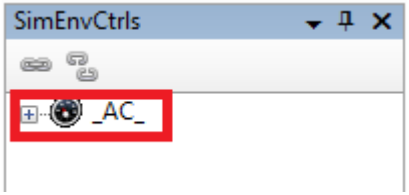
- 4. Click “OK”
- 5. Save the file (Ctrl+S)
- 6. Build Solution again (F7)





Tips & Tricks

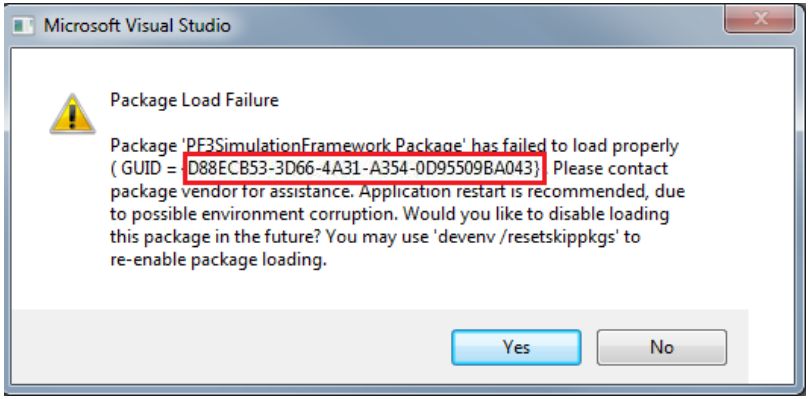
- Before starting the Simulation(F5) always wait for the AC software to be loaded. This can be checked in the SimEnvBrowser by the presence of the “_AC_” leaf



Tips & Tricks

(Only in case you had an older version of the PF3SimulationFramework installed)

- After the older version was uninstalled and the new version (2.0) was installed, in case you get the following error when opening Visual Studio:



  - select “No” and close Visual Studio
  - open regedit.exe and go to the following entry:
    HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\VisualStudio\8.0\AutoLoadPackages\{F1536EF8-92EC-443C-9ED7-FDADF150DA82}
  - delete the sub-item corresponding to the GUID reported in the error message above.