

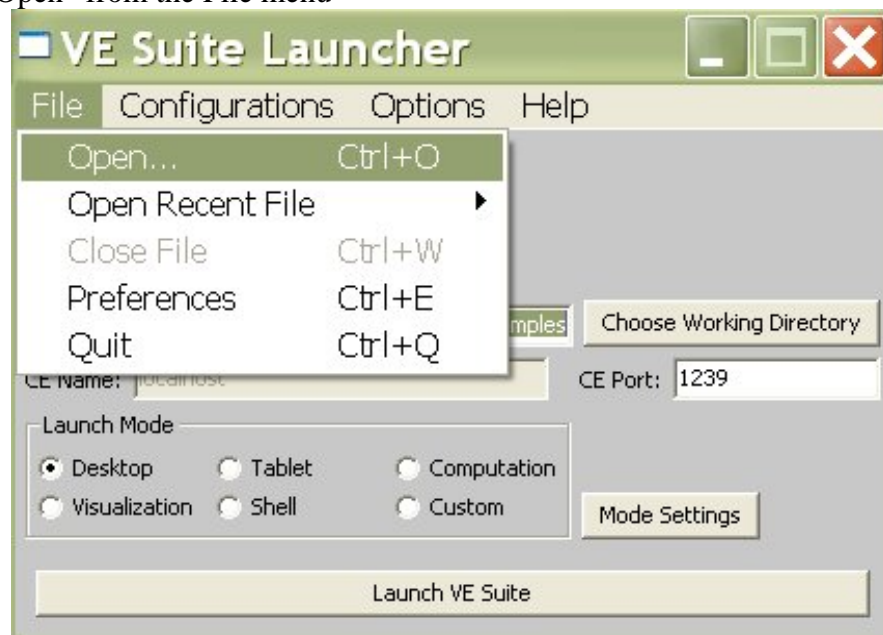
The new tools created to integrate VE-Suite will be described in this document. The assumptions are that users have access to Aspen and that they are familiar with general VE-Suite operations.

To begin, the user launches VE-Suite through the normal modes that can be found in the VE-Suite documentation. The user then launches the VE-AspenUnit executable via VE-Launcher.

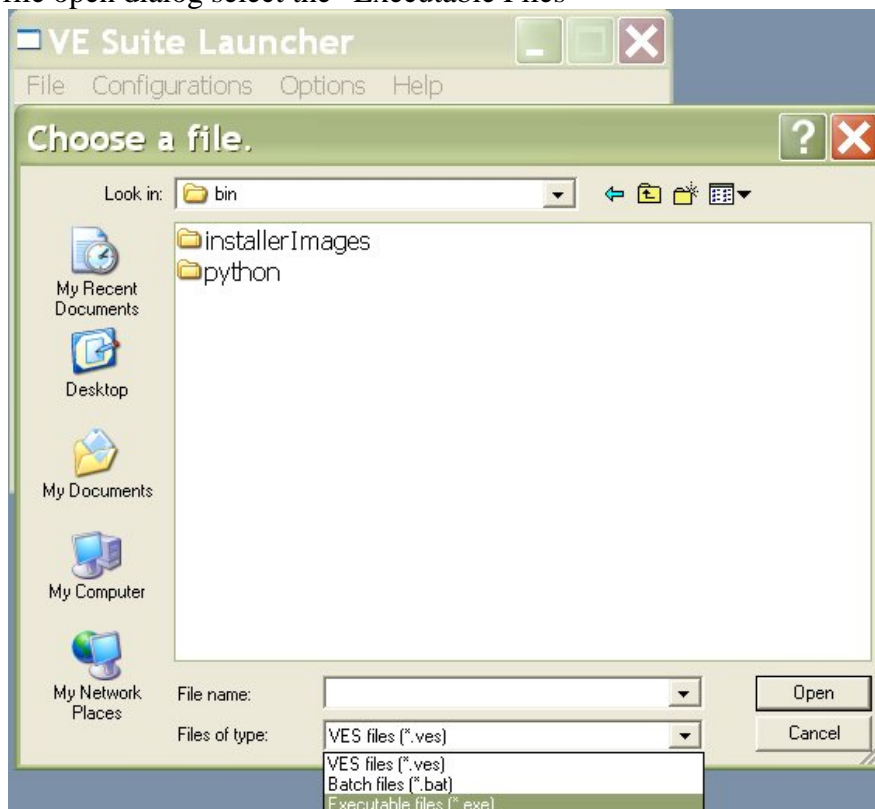
Open VE Suite Launcher.



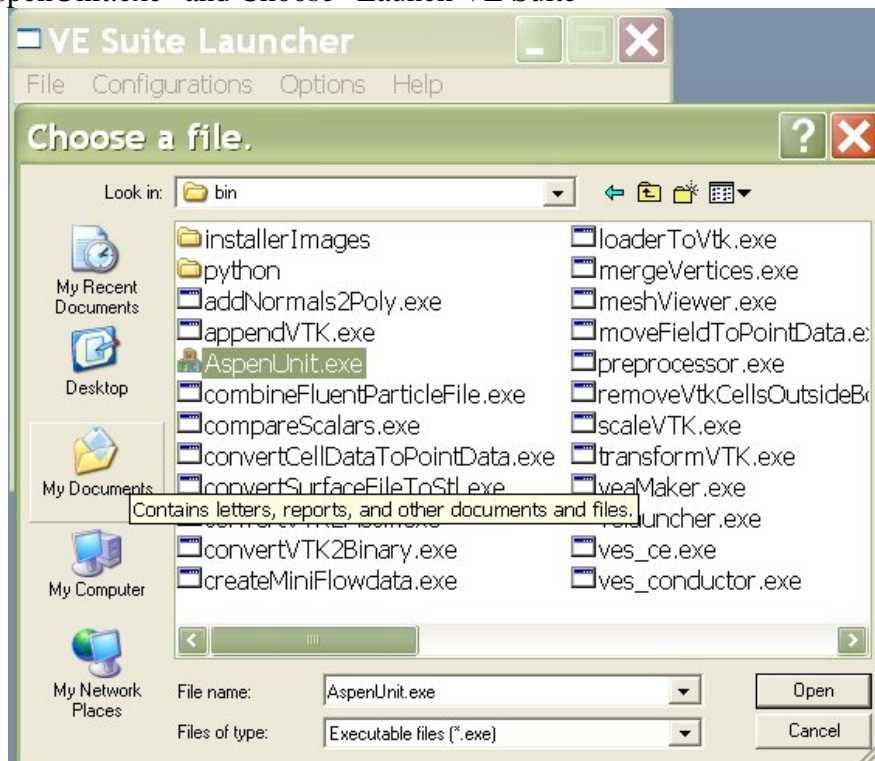
Choose "Open" from the File menu



Using the file open dialog select the “Executable Files”

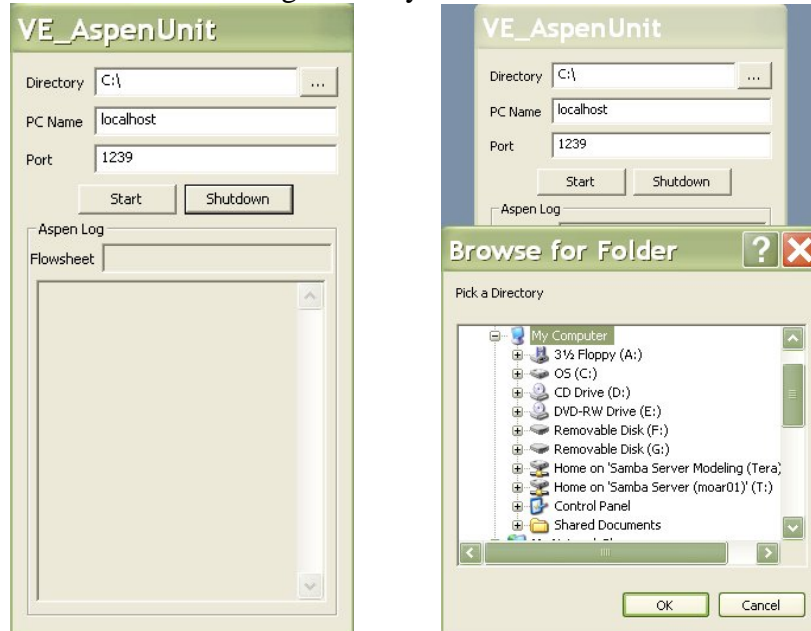


Select “AspenUnit.exe” and Choose “Launch VE Suite”

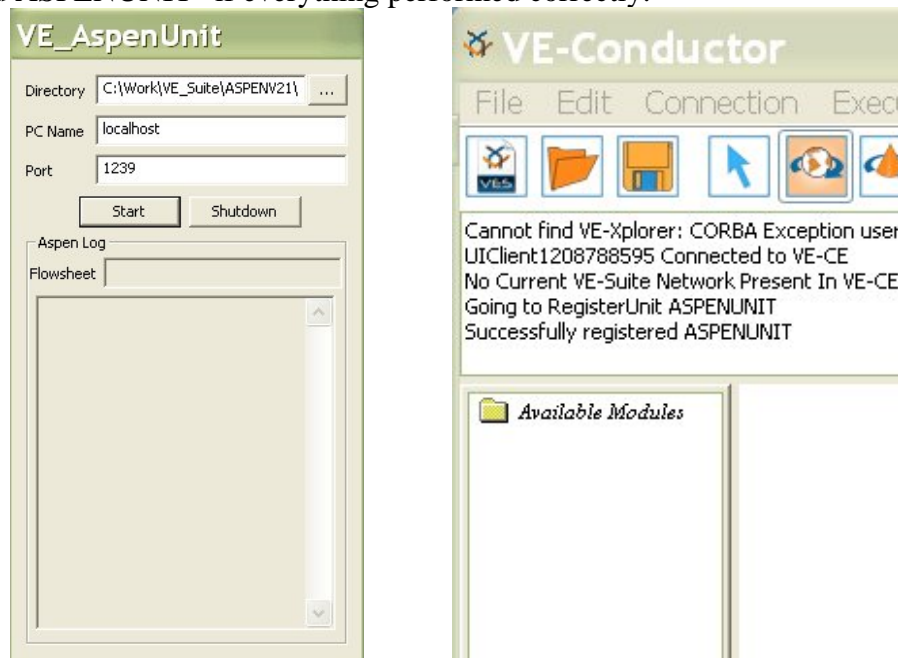


Once the VE-AspenUnit is launched:

Choose “...” to browse for working directory.



Once working directory choose “Start” - VE-Conductor will show “Successfully registered ASPENUNIT” if everything performed correctly.



VE-Conductor: Choose Connection→Aspen→Open Simulation to run the Aspen Simulation:



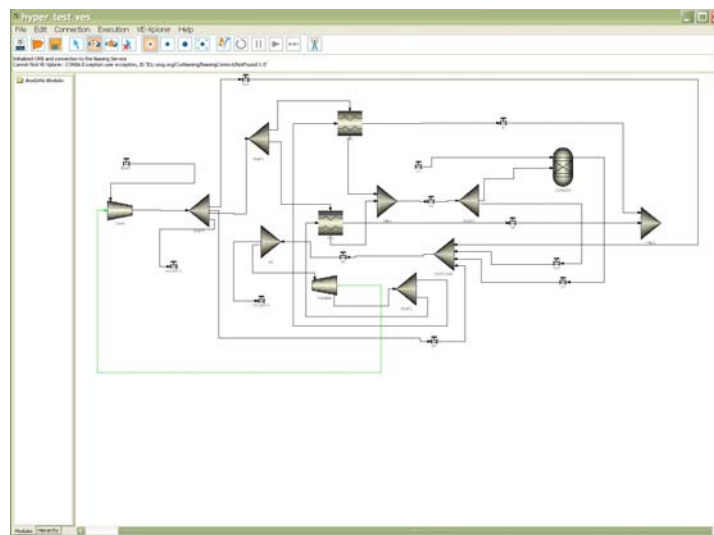
Note: As shown above, various other operations are also available in VE-Suite. The resulting actions can be intuited from the menu names.

Enter the Aspen .bkp/.apw file to be used:

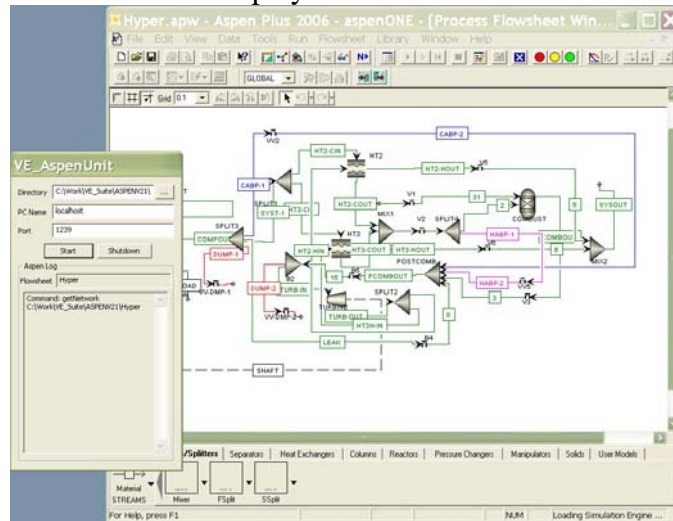


Note: Before doing this step be sure both the APW & bkp files have been created.

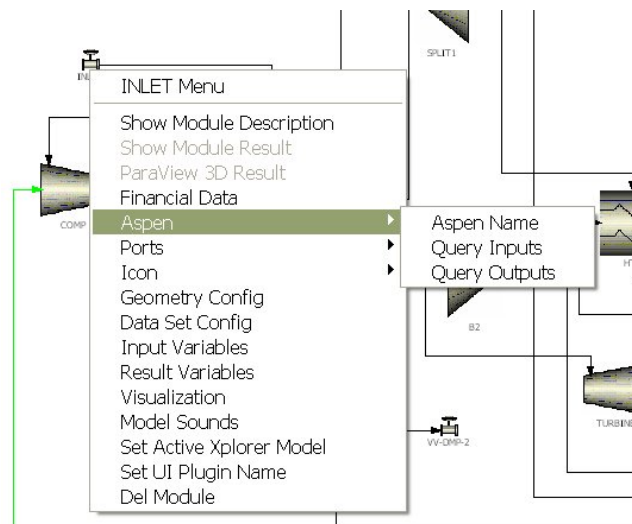
Once the .bkp/.apw file is chosen, the user will then see a network diagram of the Aspen flowsheet similar to what is seen in Aspen:



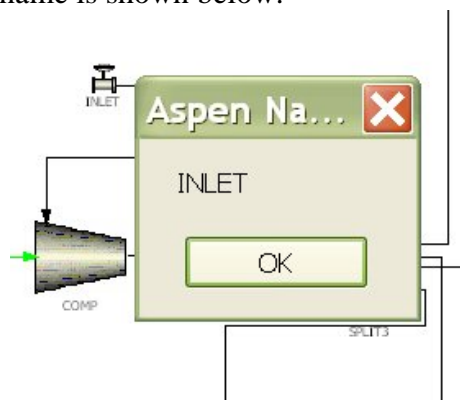
The Aspen flow sheet will also be displayed and available



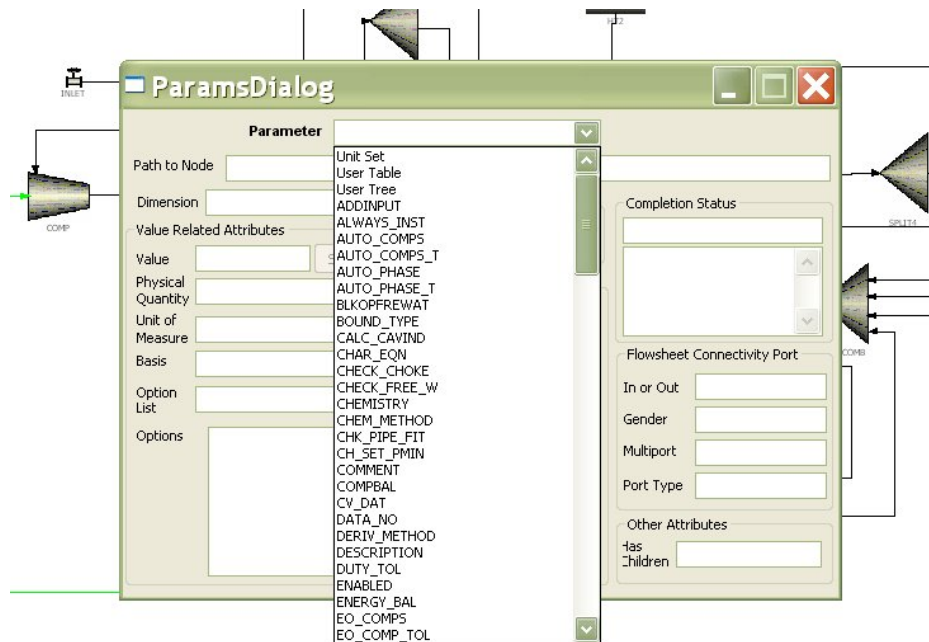
Once the Aspen flowsheet is loaded, it is possible to work with Aspen through the VE-Suite right-click menus:



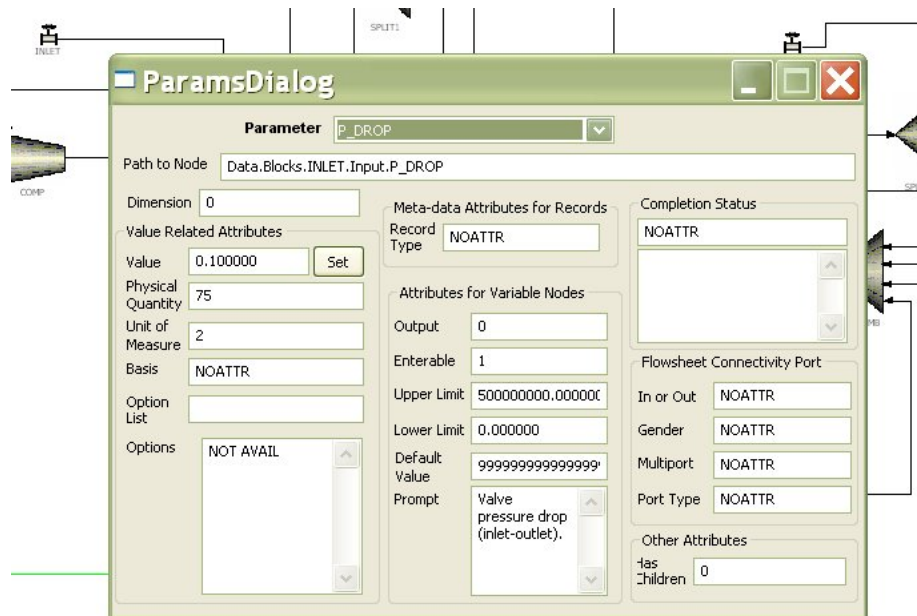
The Aspen unit operation name is shown below:



When the user chooses to investigate input variables, the parameters dialog allows any variable to be viewed for a specific unit operation and modified. This is also true for the results, except that the user is unable to change results.

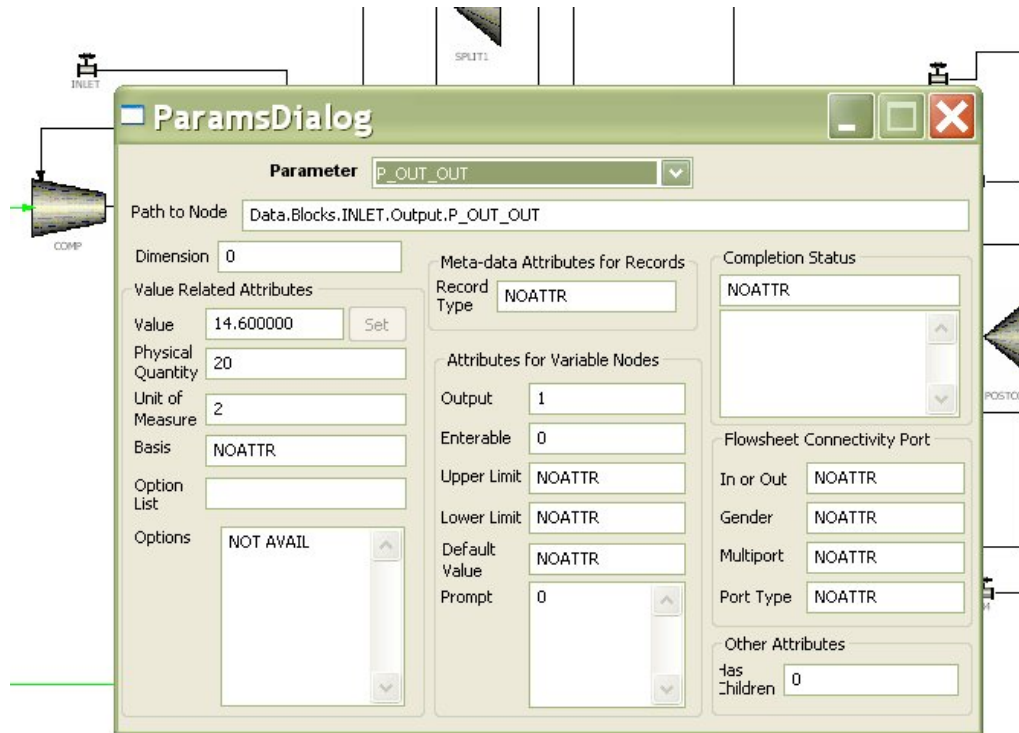


Inputs:

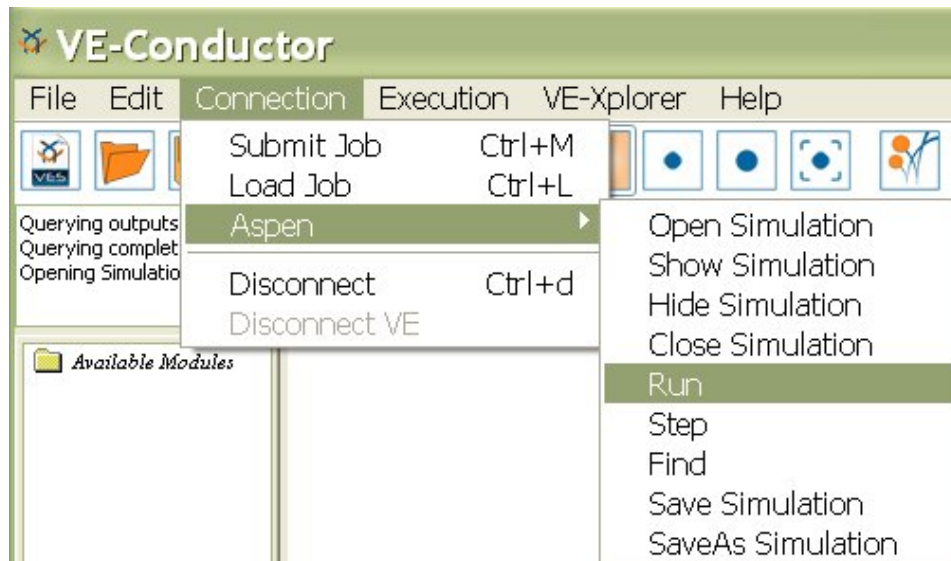




Results:



Once the user changes an input, the flowsheet can be run in Aspen by selecting Connection→Aspen→Run Simulation:



Note: In addition to being able to run the Aspen flowsheet in traditional modes, there is also a 3D mode that can be viewed by selecting VE-Xplorer → Graphical View → Network:

