

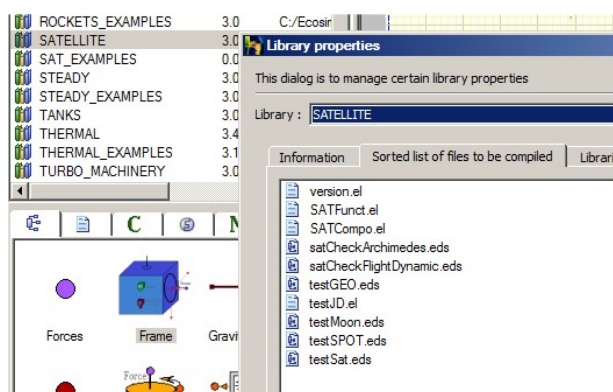
Library encryption

Summary

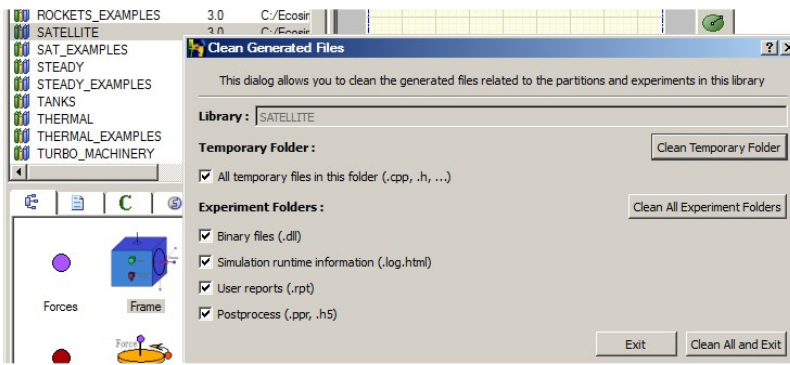
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1 Make a first save of all the lib in a other folder (not directly a subfolder of the lib)

2 Check that the dependencies for compile is up to date



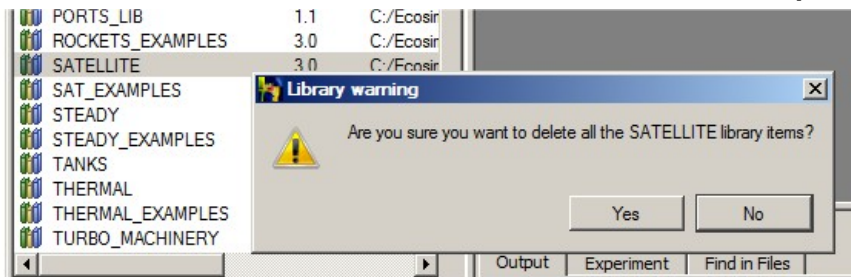
3 Clean the lib



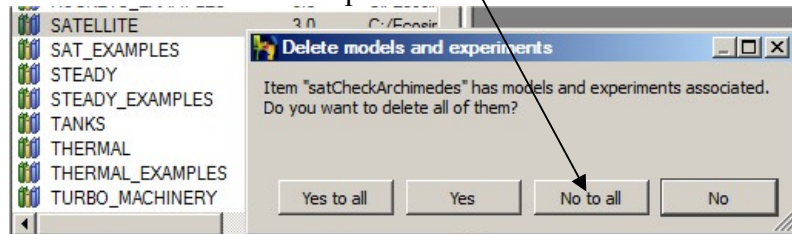
4 Option: use Private Keyword for the confidential info

Private variables (forbid to see and forbid to use them in experiment), Hidden for the variables not needed to be shown (but may be used in experiment).

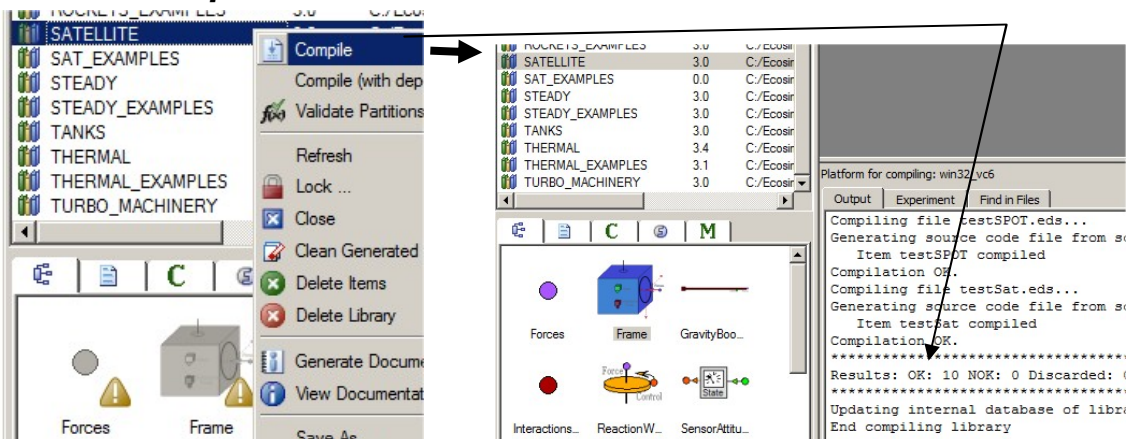
5 Option: Delete items of the lib and regenerate (better to do in order to be more clean for the dates)



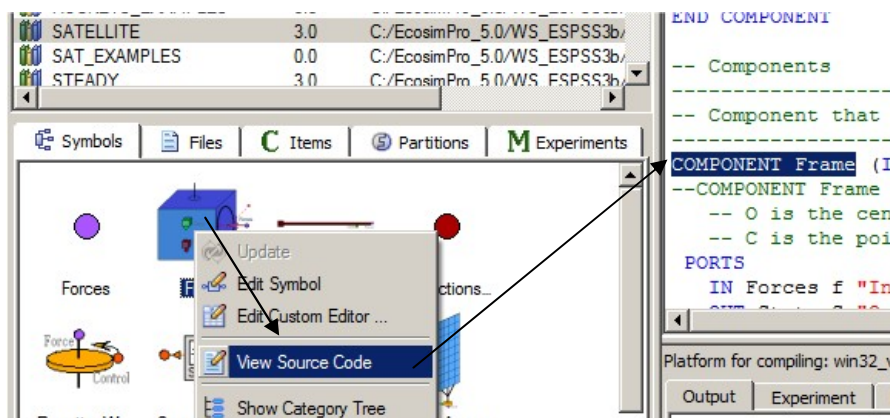
But not the models and experiments



5.1 And Compile the lib



5.2 And Check that when clicking on a symbol you get the source file

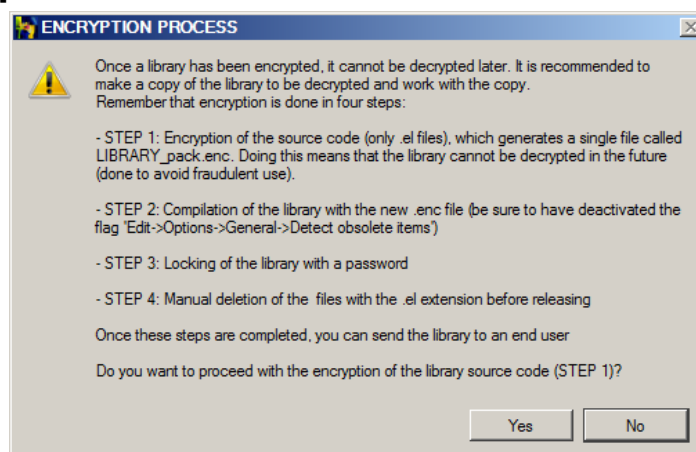


5.3 And Check with an experiment that it works fine

6 Check (again) that you are within the library you want to encrypt

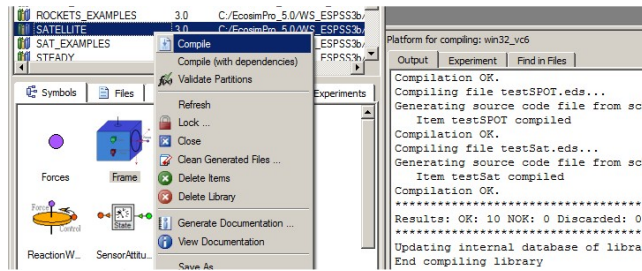
ROCKETS_EXAMPLES	3.0	C:/EcosimPro_5.0/WS_ESPSS3b/ROCKETS_EXAMPLES
SATELLITE	3.0	C:/EcosimPro_5.0/WS_ESPSS3b/Encryption/SATELLITE
SAT_EXAMPLES	0.0	C:/EcosimPro_5.0/WS_ESPSS3b/SAT_EXAMPLES
STEADY	3.0	C:/EcosimPro_5.0/WS_ESPSS3b/STEADY

7 Encrypt code STEP1

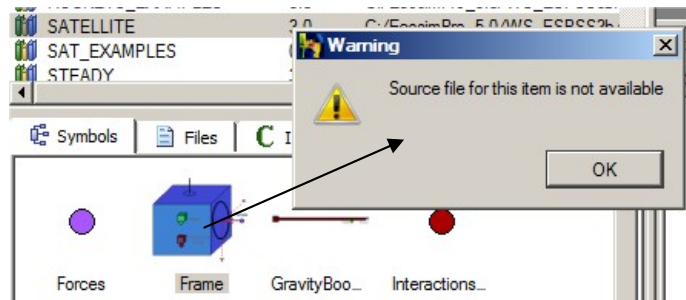


8 Encrypt code STEP2: Compile the lib

Note: The encrypted file seems to have a first priority for the compilation.

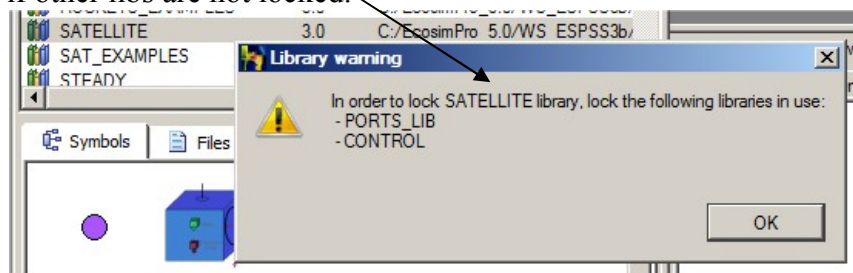


9 Check that when clicking on a symbol you DO NOT get the source file

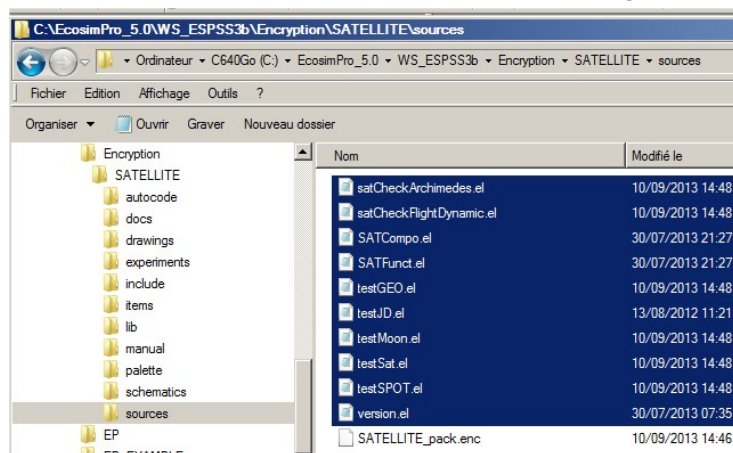


10 Encrypt code STEP3: Lock the lib

except if other libs are not locked.

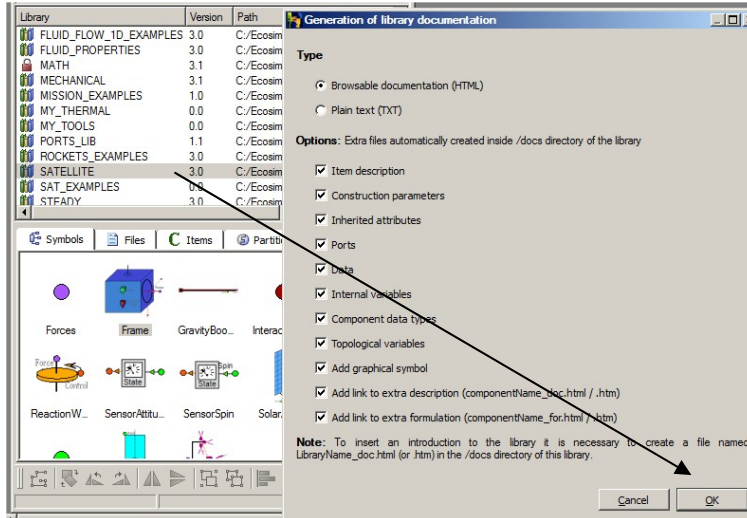


11 Encrypt code STEP4: Delete manually the el files

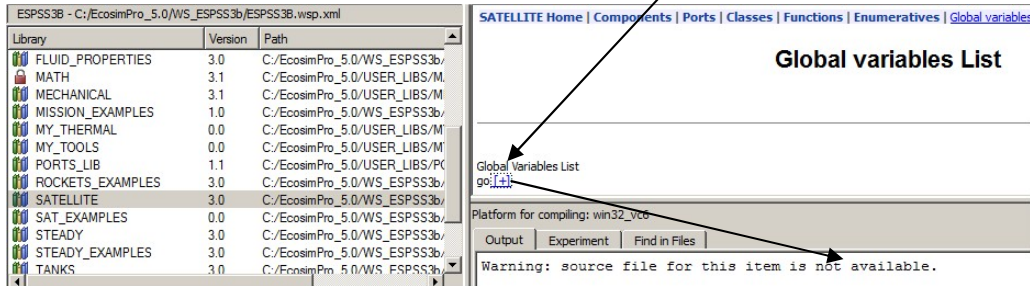


12 Check with an experiment (it still exist in the tab Experiment) that it works fine

13 Generate the documentation of the lib

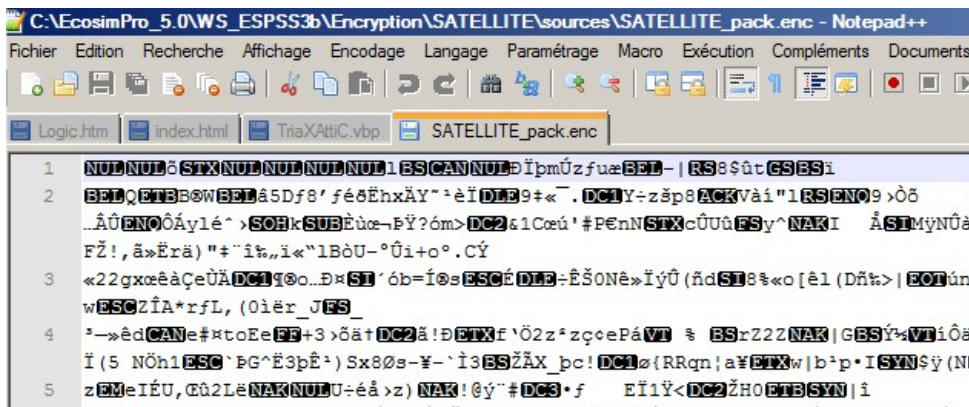


And check that there the source code is no more available



14 Clean again the lib

15 For information, the encrypted file is...



And the mathematical model of an experiment calling components from the encrypted library:

```
[24] MagnetoTorquers_1.I[3] = MagnetoTorquers_1.I[3]. {E@MagnetoTorquers_1.I[3]}
[25] PRIVATE_EQT {E@Thrusters1.ExplOnOff[1]}
[26] PRIVATE_EQT {E@Thrusters1.ExplOnOff[2]}...
```
