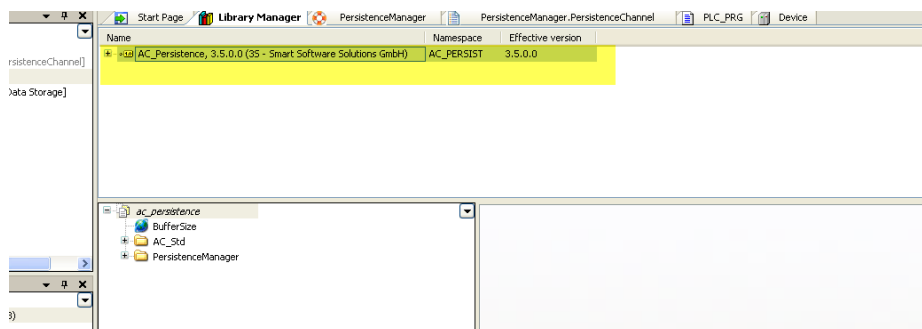
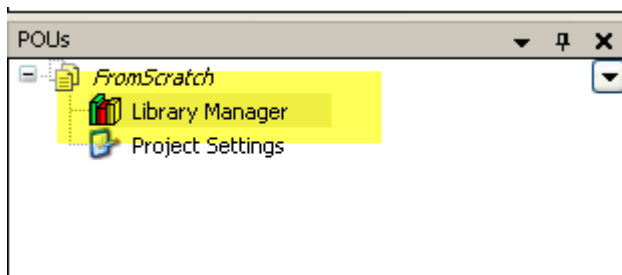
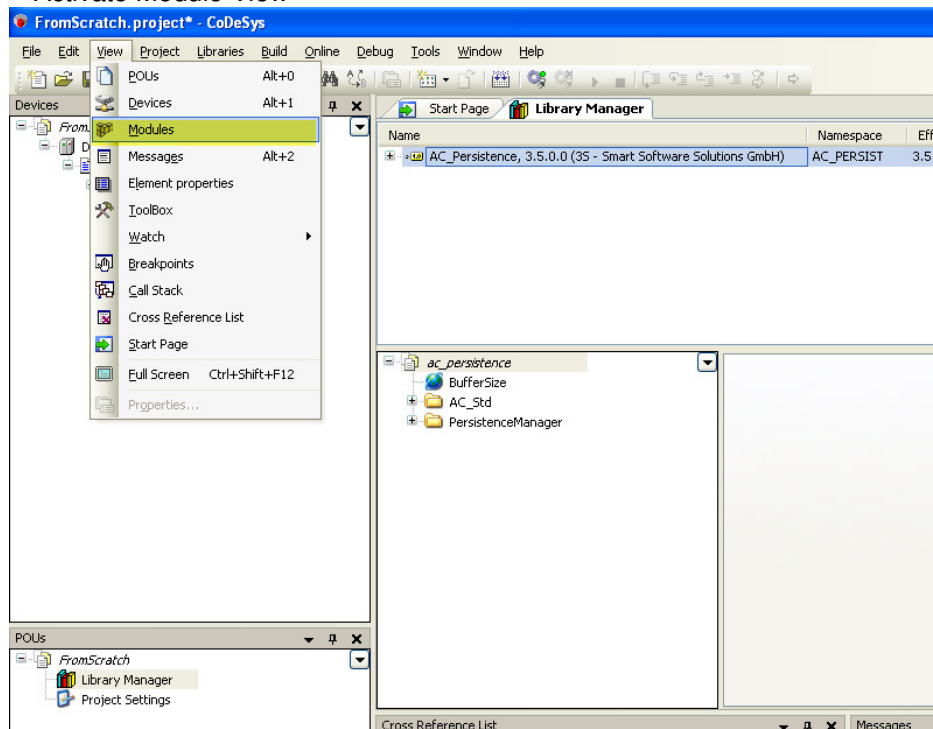


How to Setup the PersistenceManager from scratch:

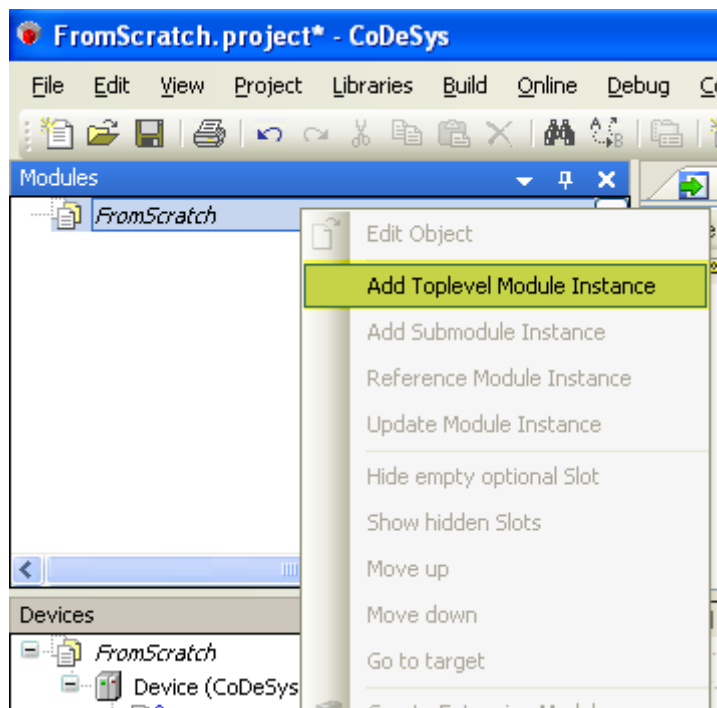
1. Generate new Project
2. Add in the POU Pool a library Manager and add the AC_Persistence



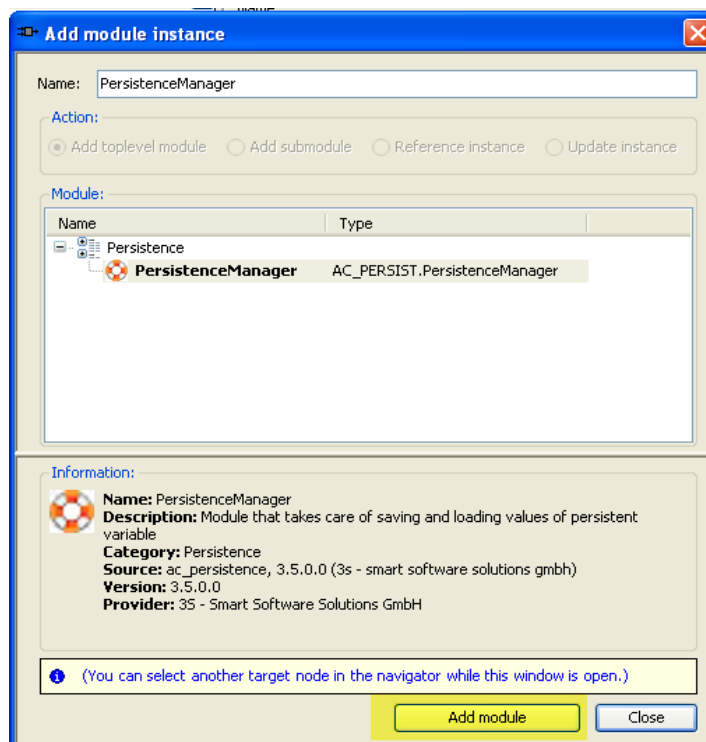
3. Activate Module View



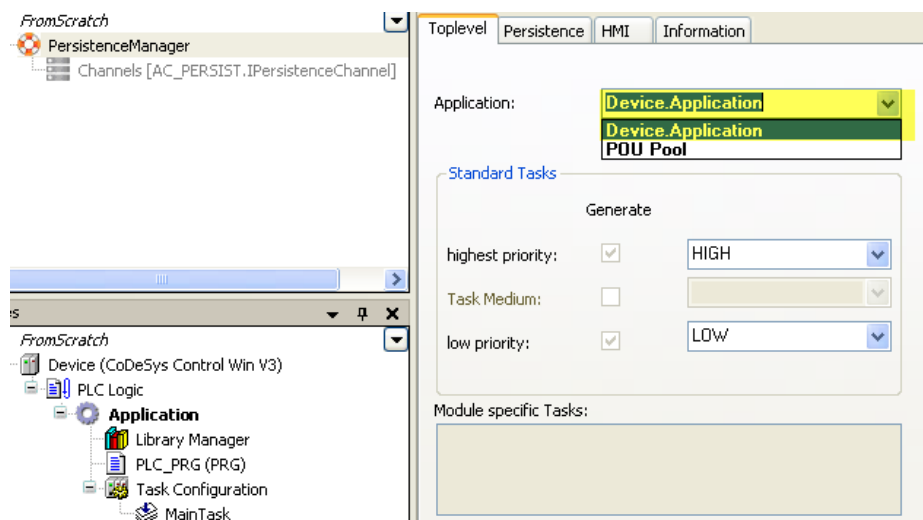
4. Add Toplevel Module Instance



5. Add Persistence Manager



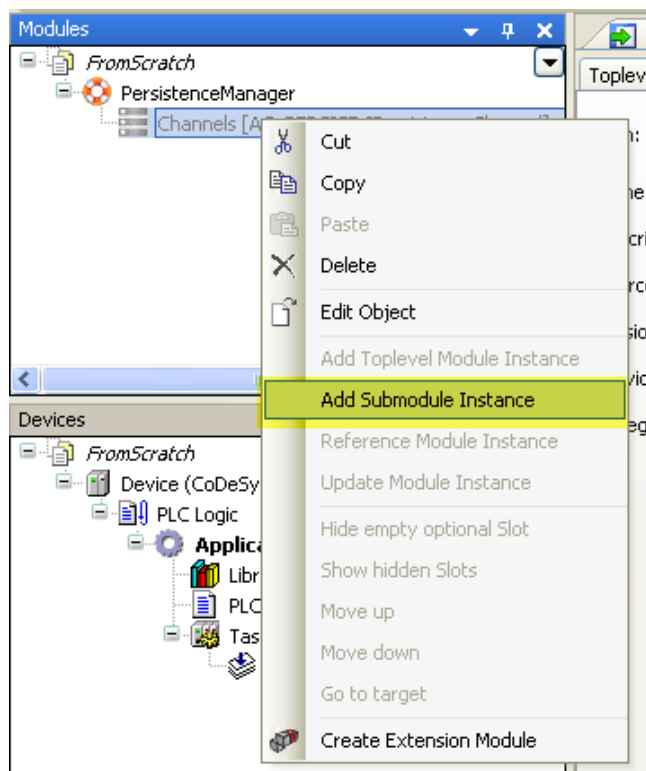
6. Select the Application

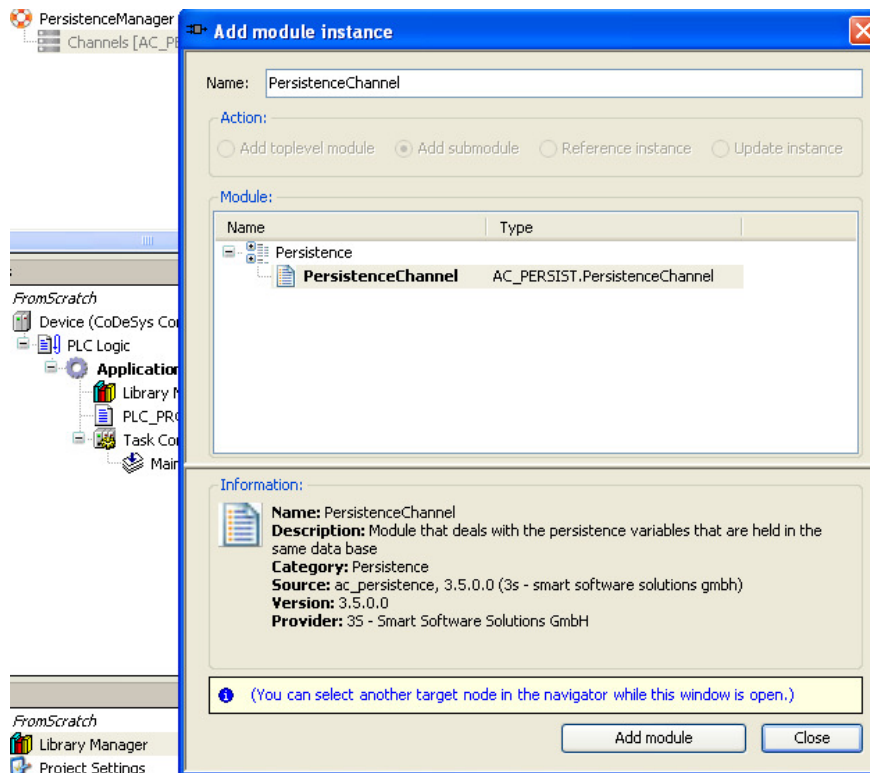


7. Add Group



Add Submodule Instance:

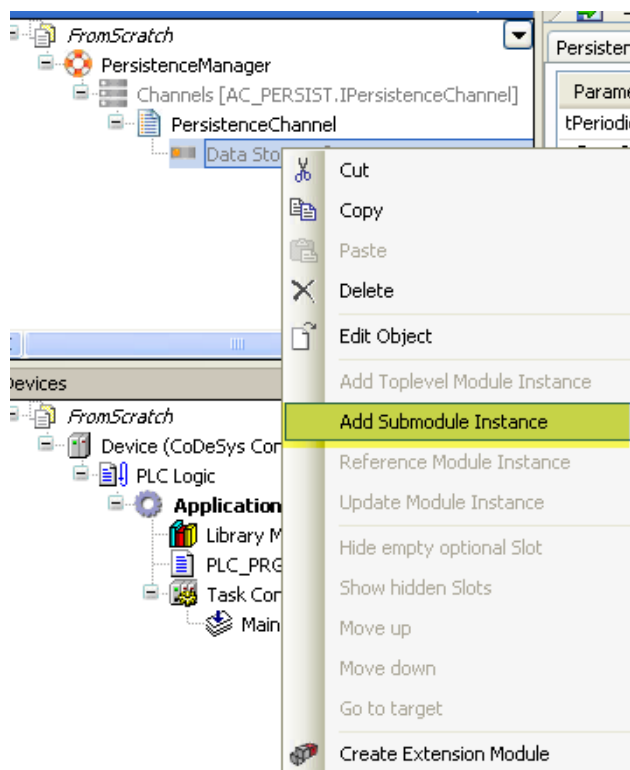




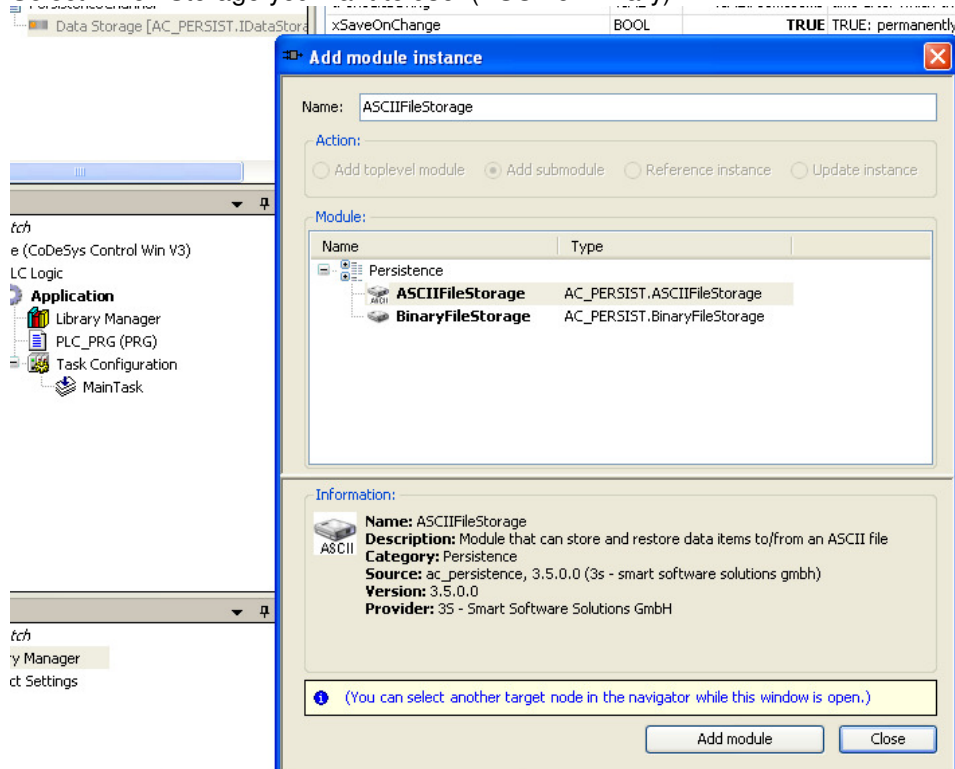
Setup the Persistence Parameter (how they are saved / cyclic / on change...)

Parameter	Type	Value	Description
xPeriodicSaving	TIME	TIME#60m0s0ms	time after which the variables are stored (0: periodic saving off)
xSaveOnChange	BOOL	FALSE	TRUE: permanently compare old and actual values and save when different
xReadVarsDuringInit	BOOL	FALSE	TRUE: read the persistent variables during initialization of application; FALSE: read variable value
xCompressTags	BOOL	TRUE	TRUE: compress variable tags
xConsistentCopyInHighPriorityTask	BOOL	FALSE	TRUE: persistent variables are copied in high priority task
xConvertVarsWithDifferentType	BOOL	TRUE	TRUE: if types of stored and actual variable are different, try to convert stored value
xIntegrityCheckBeforeReading	BOOL	TRUE	TRUE: do an integrity check of data base
xSeparateArchivePerToplevelInstance	BOOL	FALSE	TRUE: generate a separate archive for each toplevel instance

Add Submodule Instance



Select which Storage you want to use: (ASCII or Binary)

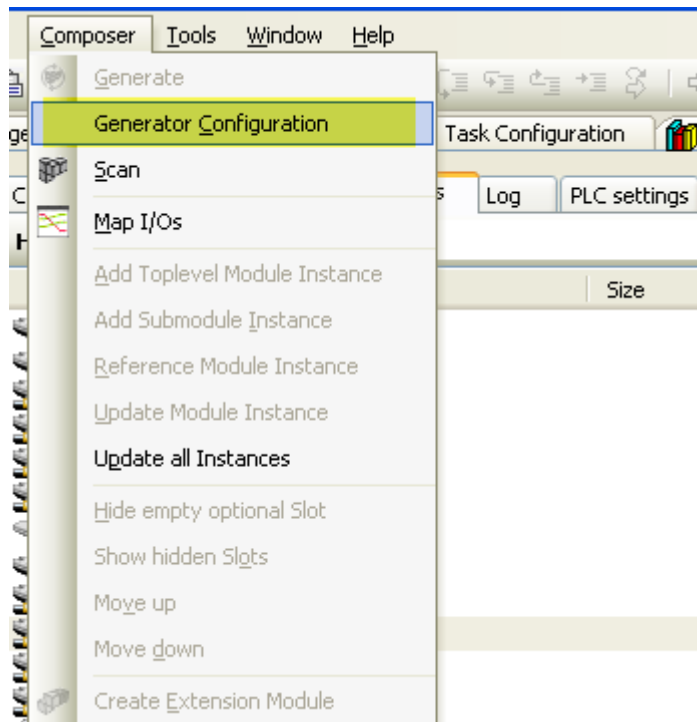


Add the attribute in your project for your persistence variables:

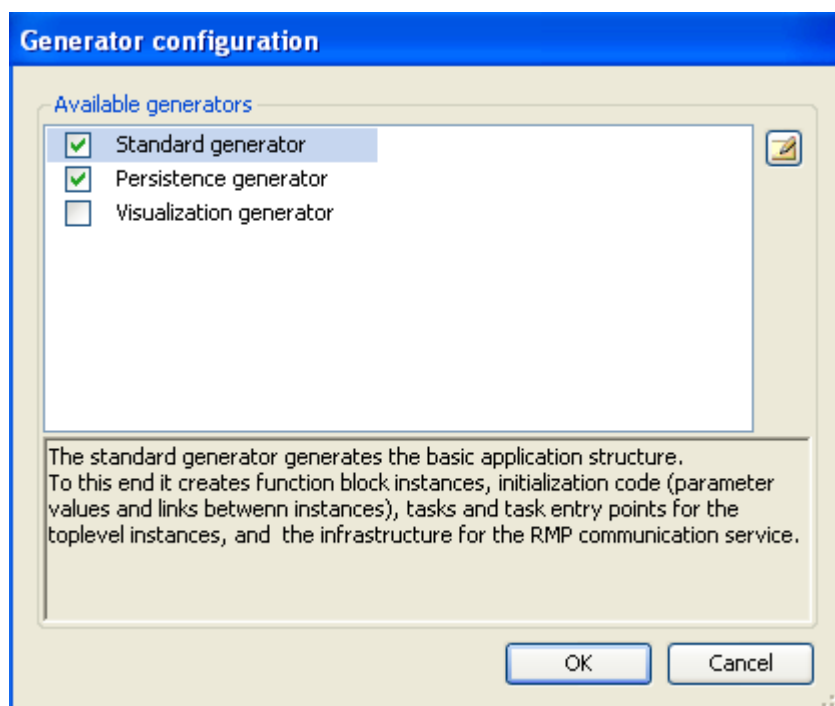
```
PROGRAM PLC_PRG
VAR
    //some variables which you want to persist
    {attribute 'ac_persist':='PersistenceChannel'}
    iExample: INT := 7;
    {attribute 'ac_persist':='PersistenceChannel'}
    xExample2: BOOL := TRUE;
    {attribute 'ac_persist':='PersistenceChannel'}
    lrExample3: LREAL := 3.54;
    {attribute 'ac_persist':='PersistenceChannel'}
    strExample4: STRING := 'PersistenceManager!';

END_VAR
```

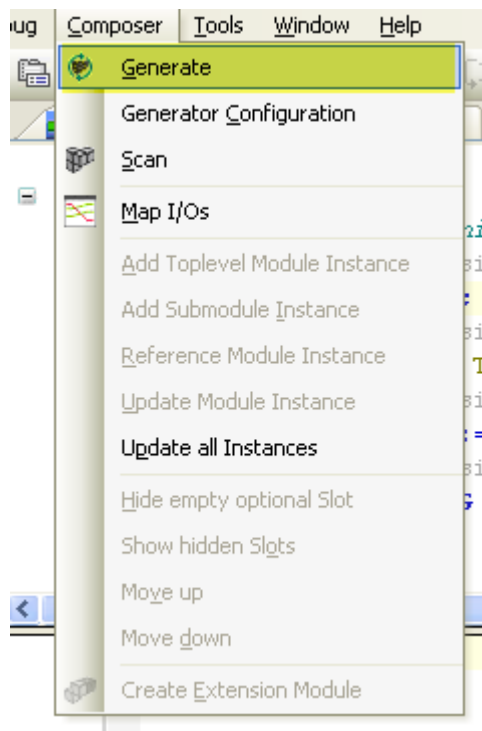
Setup Configuration for the generator:



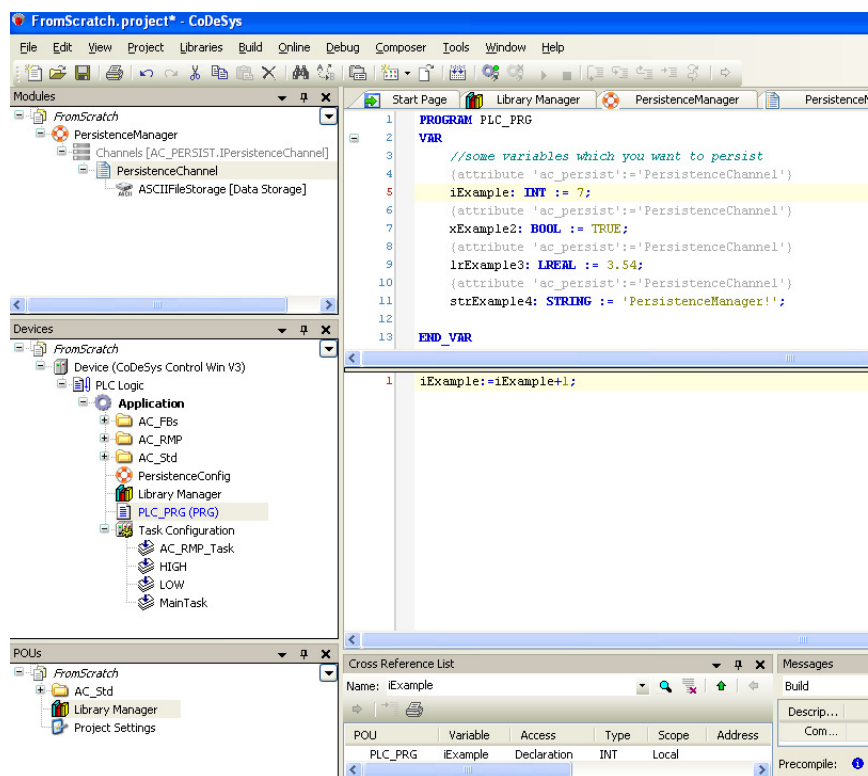
Visualization generator is option



Then "Generate" the code via application composer



Result:
Everything is generated and ready for login.



Go online check if persistence file is written: (Path: plc runtime)