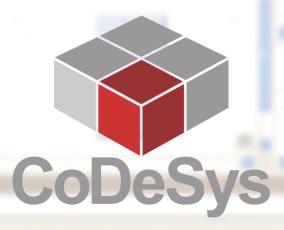








First steps













First steps

After this module you will be able to easily create simple projects and to prepare the PLC system.





Introduction

In this module we will talk about general topics.

You will always need the same procedure for the exercises in this course.





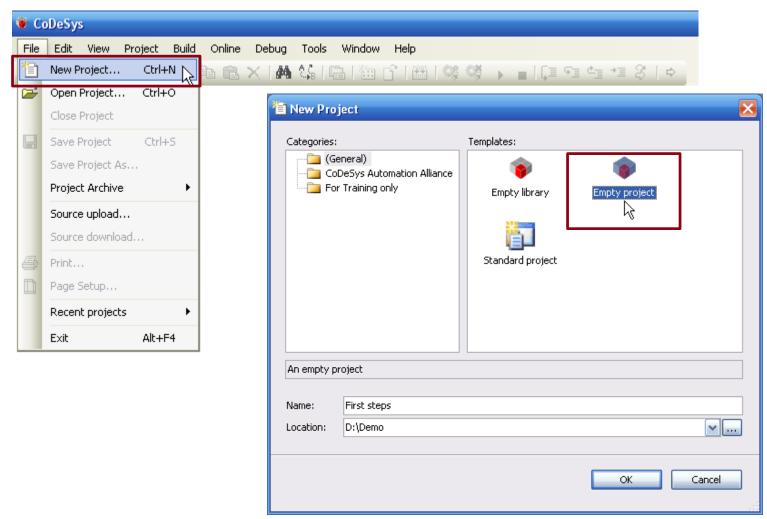
- first start of CoDeSys
- quick start
 - new empty project
 - add device
 - add POU
 - add task configuration
 - append task
 - build application (generate code)
 - set communication parameter
 - go online
 - check program







Create new empty project





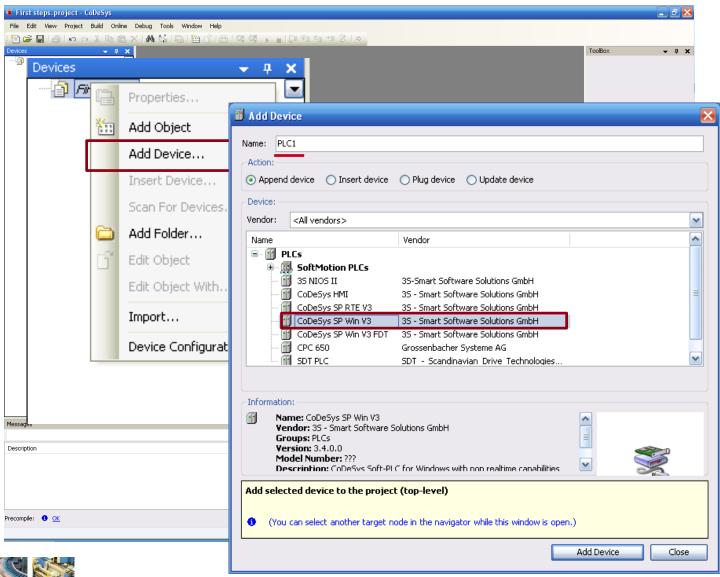








Add device





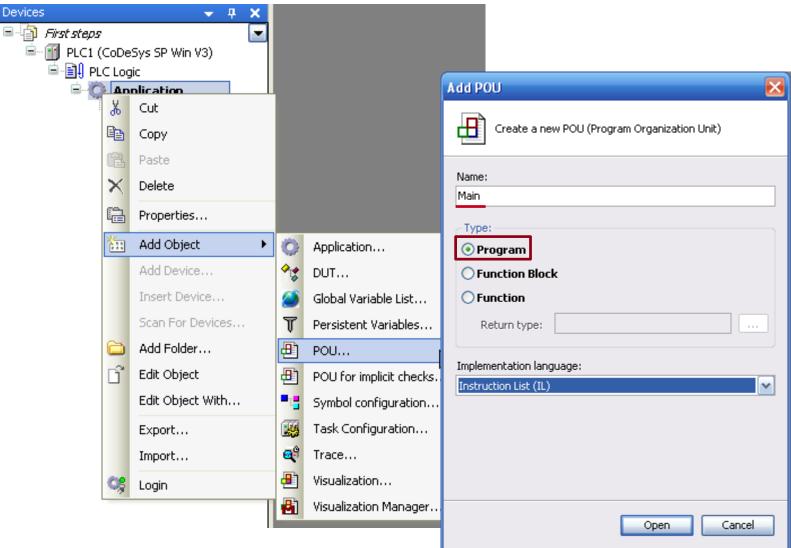








Add POU (PRG)













Add POU (PRG)



Main (PRG)

POU: MAIN (PRG)

declaration

instructions

	Main	
	1	PROGRAM Main
	2	VAR
	3	xA : BOOL;
	4	xB : BOOL;
	5	xQ : BOOL ;
	6	END_VAR
	7	
<		
	1	LD xA
		AND xB
		ST xQ
	•	





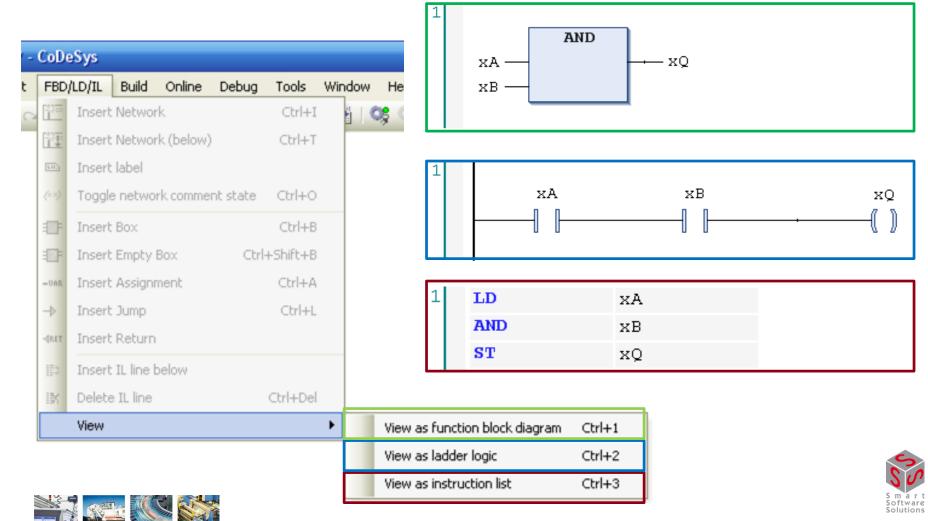






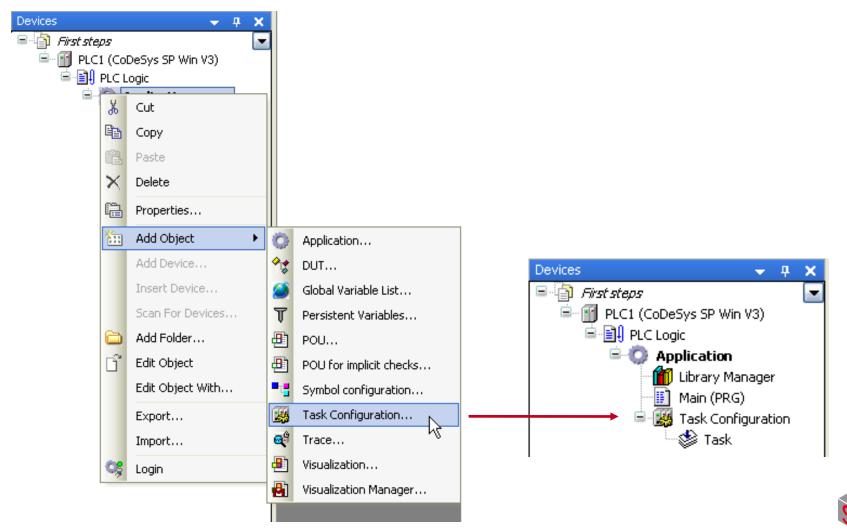
Add POU (PRG)

IL - FBD - LD - Editor





Add task configuration





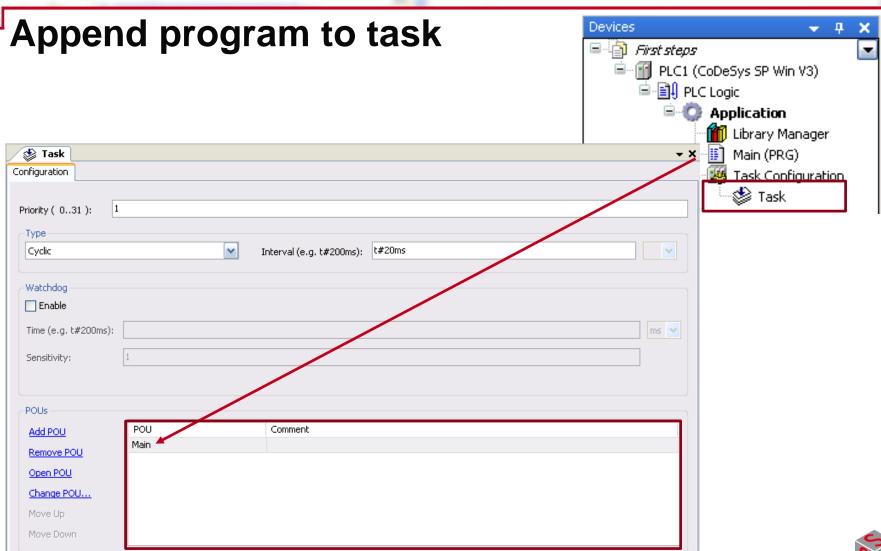








Add task configuration





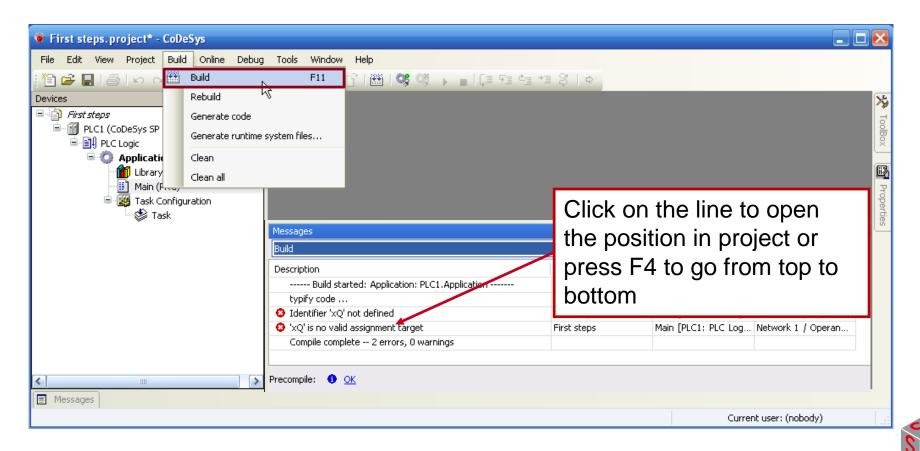






Build application

Should there be any errors, the message window will give you detailed information.





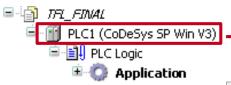






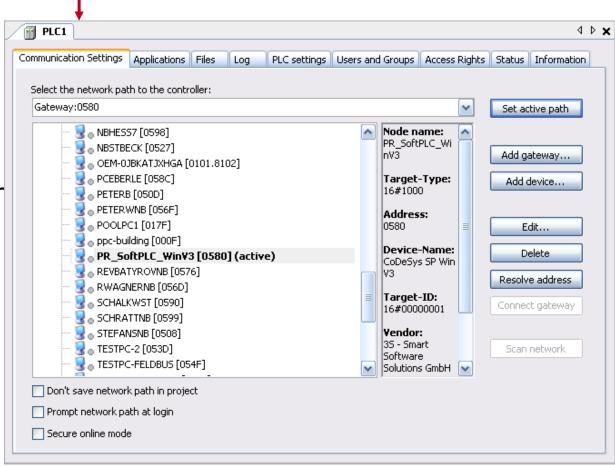


Set communication parameter



double-click

- select Gateway
- scan
- select PLC
- device information appears
- set path
- log-in



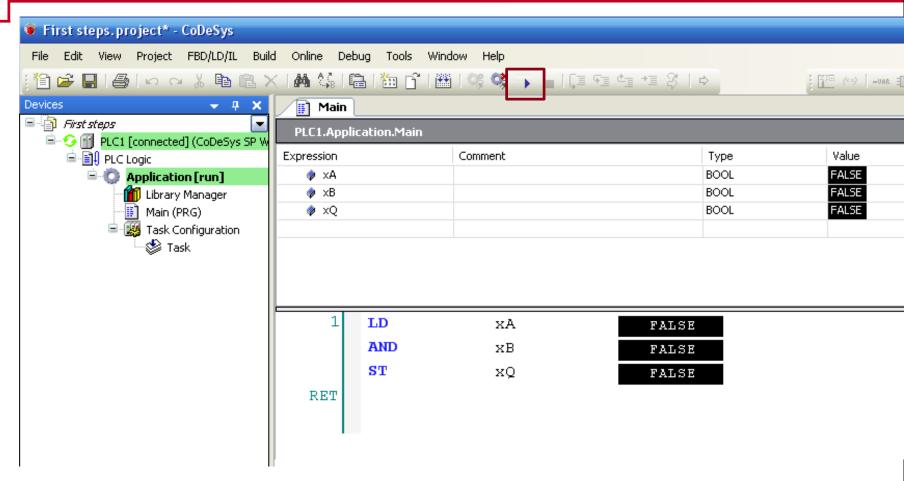








Go online





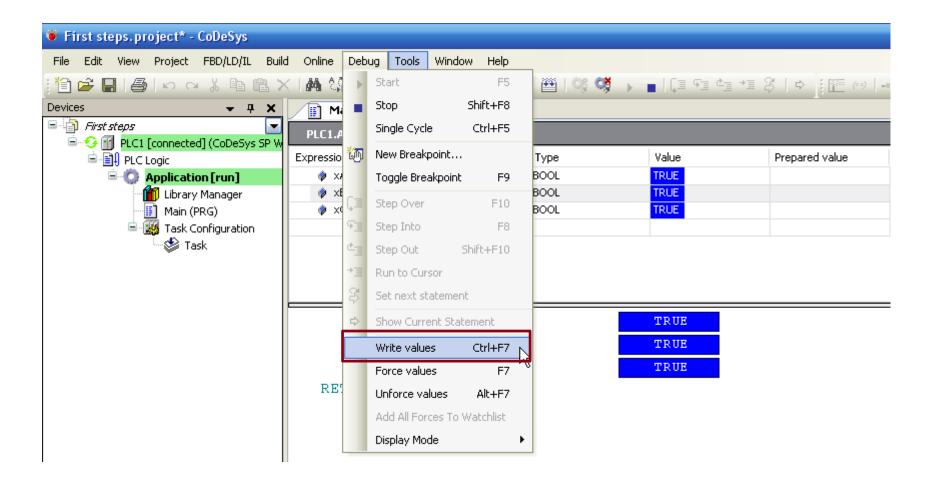








Check program













Summary

- What steps do we have to take?
 - create new empty project
 - add device
 - add POU PROGRAM
 - add task configuration
 - append program to task and specify task interval time
 - set communication parameter
 - go online, start PLC system and check





