

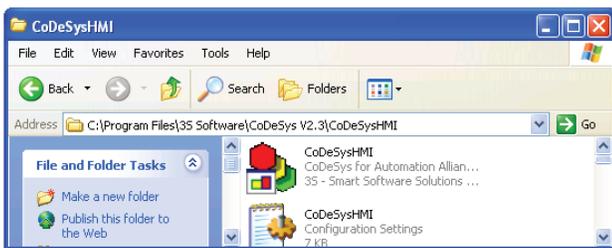
How to Use CoDeSys HMI to Display Visualization



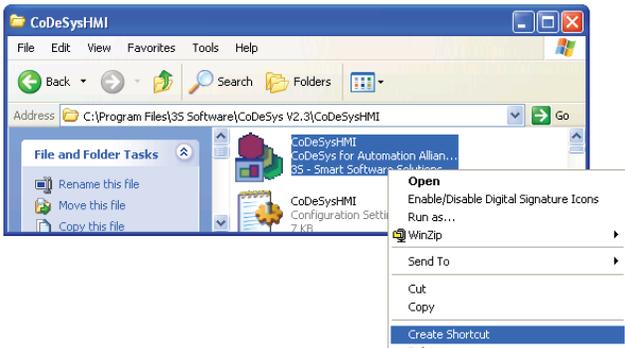
HOW TO

This application note outlines the steps required to setup the shortcut to the CoDeSys HMI application that allows the user to interface with the project using the visualizations generated in the project. This can be done without allowing the user access to the code.

1. Create, download and run a project on a BLxx-PG-...
 - The project will need to have at least one visualization
2. Save and close the project.
 - The directory where the project is saved and the project name will be required in the subsequent steps.
3. Locate the CoDeSys HMI application
 - This application should be located in:
C:\Program Files\3S Software\CoDeSys V2.3\CoDeSysHMI\



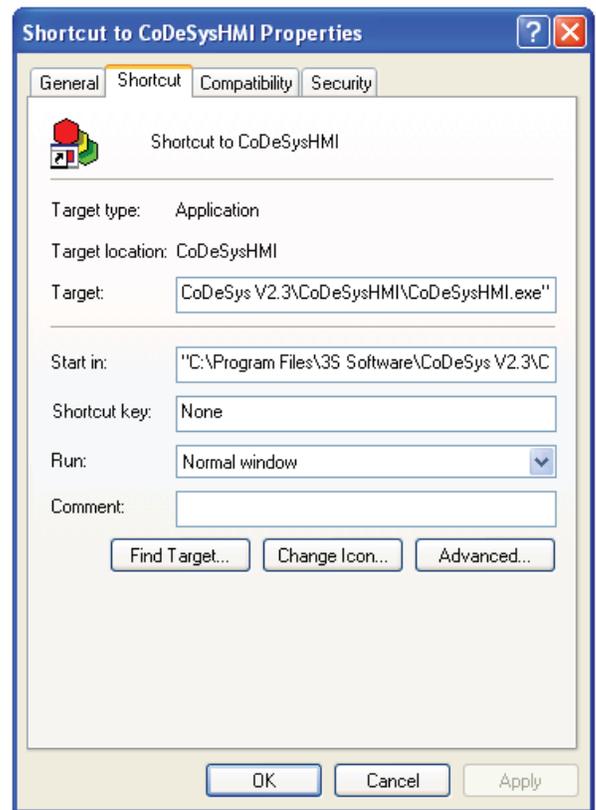
4. Right-click on the CoDeSysHMI and “Create Shortcut”
 - You can cut and paste this shortcut anywhere on the computer



5. Right-click on the shortcut and go to “Properties”



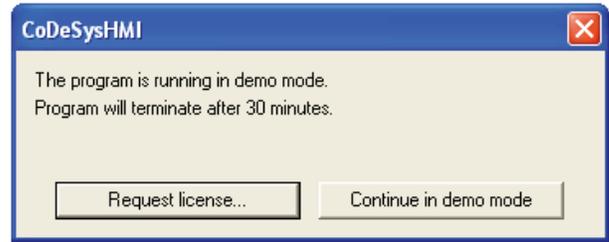
6. The “Target:” field should be:
“C:\Program Files\3S Software\CoDeSys V2.3\CoDeSysHMI\CoDeSysHMI.exe”



7. The “Target:” field needs to be modified to include the link to the project that is running on the BLxx-PG-...
8. Add a space and then the path to the project at the end of the current text in the “Target:” field.

- In this example:
 - Project name – “Sample Project.pro”
 - Path – C:\Documents and Settings\twisni\Desktop\CoDeSys HMI example\
- Therefore, the text that needs to be added is:

“C:\Documents and Settings\twisni\Desktop\CoDeSys HMI example\Sample Project.pro”



To run the application for 30 minutes click on “Continue in demo mode”.

9. The final text in the “Target;” field for this example should read:

“C:\Program Files\3S Software\CoDeSys V2.3\CoDeSysHMI\CoDeSysHMI.exe” “C:\Documents and Settings\twisni\Desktop\CoDeSys HMI example\Sample Project.pro”

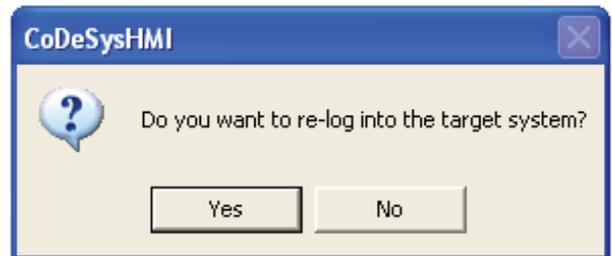
 - Pay extra attention to the quotation marks around the path to the application and the path to the project and the space that separates the two of them.

If the PC is not on the same network as the target, a communication error will occur and the application will abort.



The communication can be retried at the next dialog box, but if there has not been a change in the network configuration, the communication error will most likely continue occurring.

10. The default visualization that is called by the shortcut is PLC_VISU. If a PLC_VISU does not exist in the project, the following parameter has to be added at the end of the text in the “Target:” field:
 - /visu <<name of the default visualization>>



In this example the default visualization is HMI_HOME. Therefore the text in the “Target:” field should read: “C:\Program Files\3S Software\CoDeSys V2.3\CoDeSysHMI\CoDeSysHMI.exe” “C:\Documents and Settings\twisni\Desktop\CoDeSys HMI example\Sample Project.pro” /visu HMI_HOME

If an “Exit” button was not created in the visualizations, the application can be closed by clicking Alt+F4.

Once the shortcut is configured, clicking on it will bring up the default visualization for that project.

For more information on the CoDeSys HMI application, see section 7 of the CoDeSys_Visu_V23_E.pdf file in the CoDeSys V2.3 document directory on your computer. For help creating visualization in CoDeSys, refer to section 2 in the same document.

The version of CoDeSys available on the TURCK website does not provide a license for the HMI and the following dialog box will appear when opening the CoDeSys HMI application.