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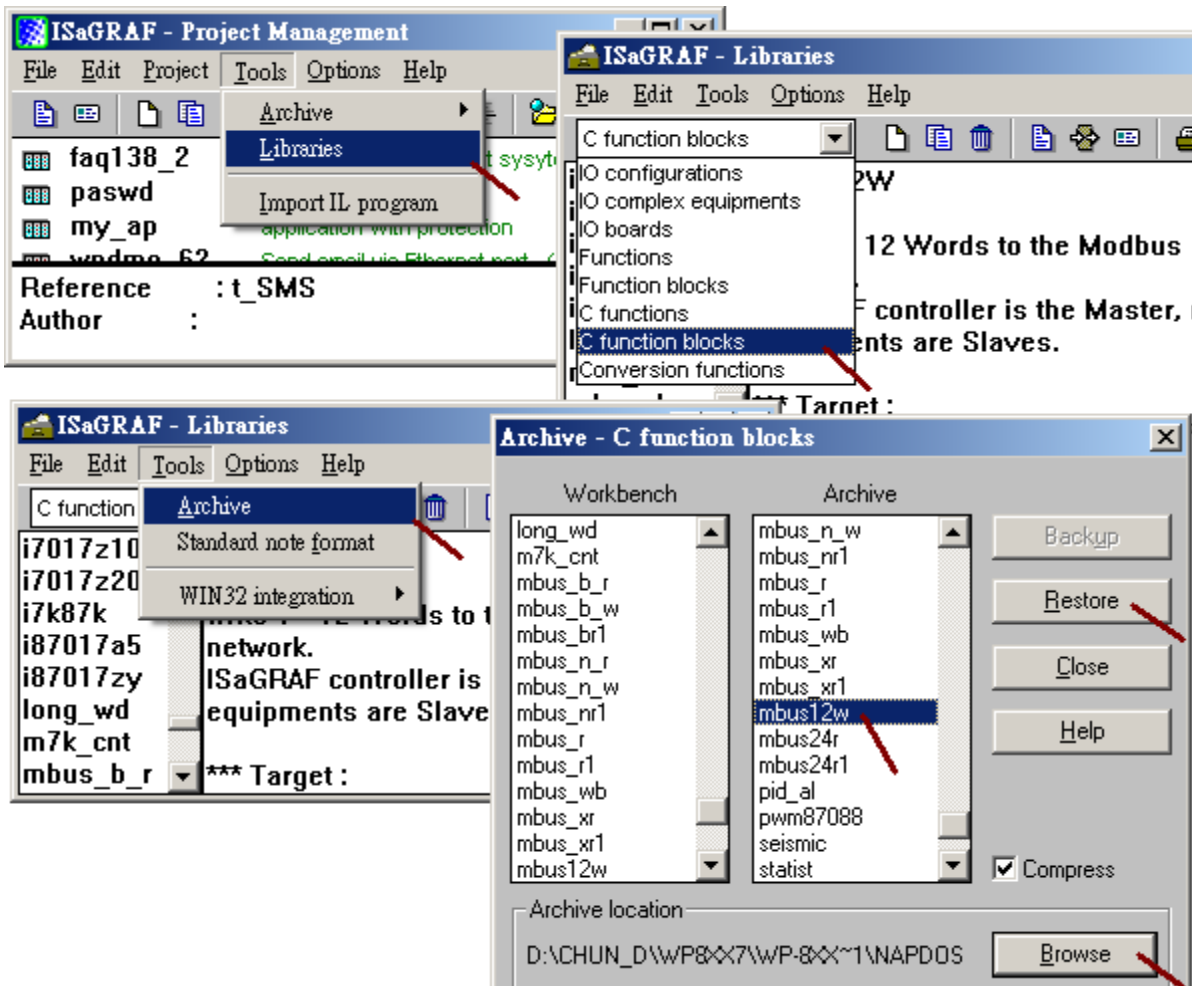
A new function block “Mbus12w” to write max. 12 words to Modbus salve devices.

The following ISaGRAF driver of PAC support the “Mbus12w” function block to write max. 12 words to Modbus RTU / ASCII / TCP slave devices.

WP-8xx7: Ver 1.37 or later **VP-25W7/23W7:** Ver 1.29 or later **XP-8xx7-CE6:** Ver 1.17 or later
uPAC-7186EG: Ver 1.14 or later **iPAC-8x47:** Ver 1.10 or later **I-7188EG :** Ver 3.15 or later
I-7188XG : Ver 3.14 or later **I-8xx7/8xx7-80:** Ver 4.15 or later **VP-2117:** Ver 1.02 or later

Please visit www.icpdas.com > ISaGRAF SoftLogic PAC > Driver to get a new ISaGRAF driver and update the driver of your PAC if it is older than the above listed version.

Then restore the “Mbus12w” function block to your PC / ISaGRAF as the following figure . The “mbus12w.fia” can be download form the www.icpdas.com > FAQ > Software > ISaGRAF > 144 (inside the “faq144_demo.zip” or “faq144_demo_chinese.zip”).



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To program the “Mbus12w” is very similar as the “Mbus_n_w” . User may refer to the chapter 8 of the “ISaGRAF User's manual” for more information. The PDF manual - “user_manual_i_8xx7.pdf” resides at the following CD-ROM or web site.

WP-8xx7 , XP-8xx7-CE6, VP-25W7 CD-ROM or I-8000 CD-ROM or www.icpdas.com > ISaGRAF SoftLogic PAC > Manual

There are some useful skill to use other Modbus function blocks, please refer to the <http://www.icpdas.com/faq/isagraf.htm> > FAQ-046, 047, 049, 050, 075, 096, 101 and 113 .

The below program will write 10 words to the data address 101 to 110 of the Modbus slave with NET-ID = 1 once via COM3 when “Write_it” set as TRUE. It will write only once every time when the “Write_it” set as TRUE (because the “Write_it” is reset as False after the “Mbus12w” block in the following example) .

Note:

1. The SLAVE_ , ADDR_ , NUM_W_ should be a constant. They can not be a variable value.
2. Set un-used N1_ to N12_ as 0.
3. If NUM_W_ is 1 , the “mbus12w” uses Modbus function code 6 to write 1 word.
4. If NUM_W_ is 2 to 12 , the “mbus12w” uses Modbus function code 16 to write 2 to 12 words.
5. If NUM_W_ is -1 (negative 1) , the “mbus12w” uses Modbus function code 16 to write 1 word.

