How to write an ISaGRAF program to copy/delete all files in one directory ?

This paper lists the way to use “F_cp_dir” to copy all files in one directory (excludes files in sub-directories) to one another directory. The following ISaGRAF PAC driver support the “F_cp_dir”.

WP-8xx7 : since driver ver. 1.63 WP-5147: since driver ver. 1.09
VP-25W7 / 4137: since driver ver. 1.55
XP-8xx7-CE6: since driver ver. 1.43 XP-8xx7-ATIM-CE6 : since driver ver. 1.03

The “F_de_dir” can delete all files in one directory (excludes files in sub-directories). The following ISaGRAF PAC driver support the “F_de_dir” .

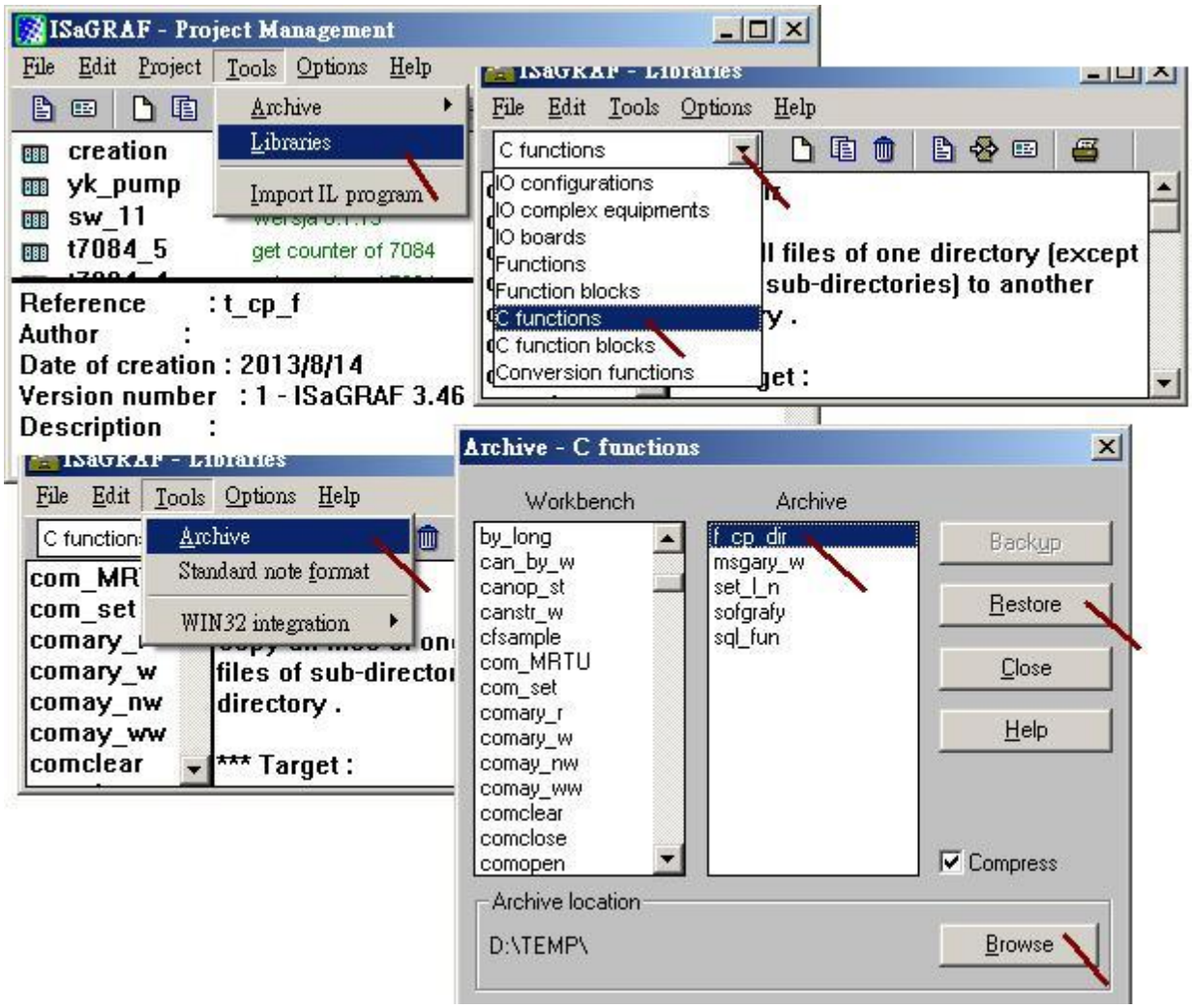
WP-8xx7 : since driver ver. 1.71 WP-5147: since driver ver. 1.16
VP-25W7 / 4137: since driver ver. 1.63
XP-8xx7-CE6: since driver ver. 1.51 XP-8xx7-ATIM-CE6 : since driver ver. 1.04

If your ISaGRAF driver version of the WinCE PAC is older than above version, please visit http://www.icpdas.com/en/download/show.php?num=368&nation=US&kind1=&model=&kw=isagraf to download the newest version and then update it to your PAC.

Please visit https://www.icpdas.com/en/faq/index.php?kind=280#751 > FAQ-168 to download this paper and its demo program and lib - “faq168_demo.zip” . It includes three files - “faq168.pdf” , “f_cp_dir.uia” , “f_de_dir.uia” and “cp_dir.pia” .

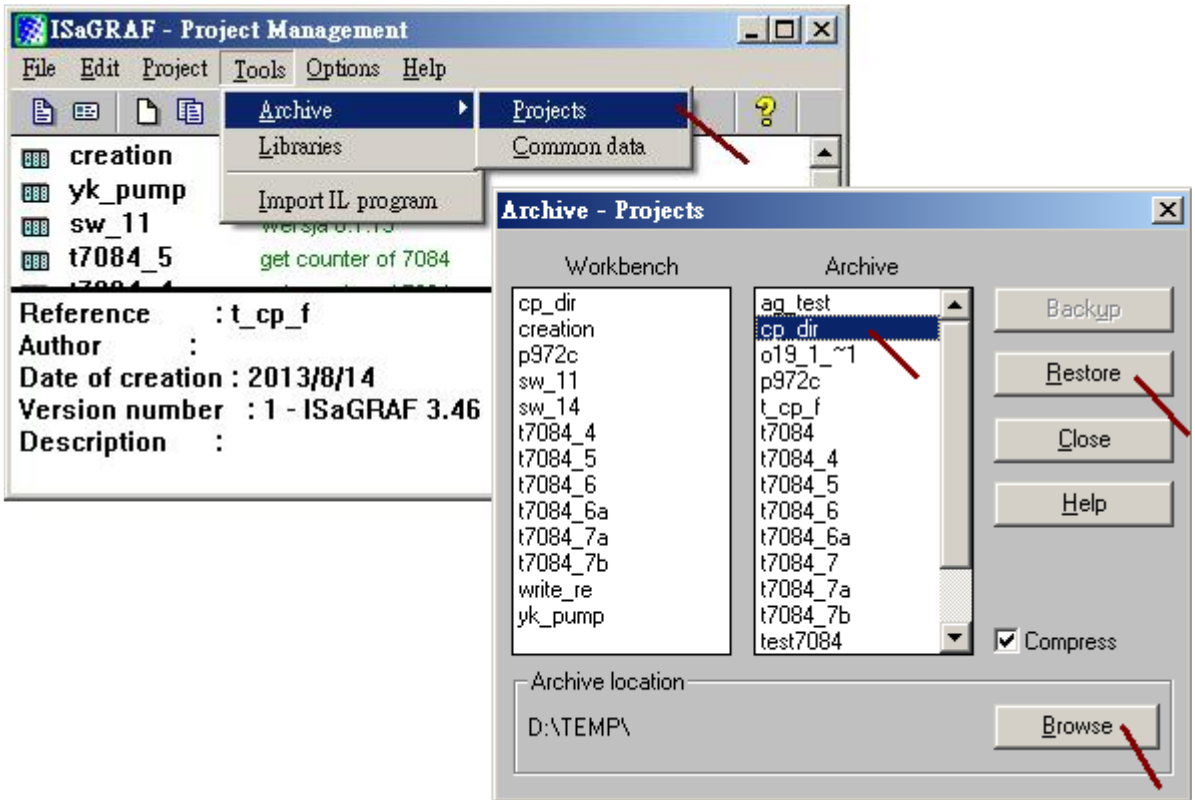
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

First restore c-function “F_cp_dir.uia” and “F_de_dir” to the PC / ISaGRAF before you can use it.



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Then restore the example project “cp_dir.pia” to the PC / ISaGRAF .



The way to use the “F_cp_dir” is similar as the following code.

```
(* Copy_it    and TMP are declared as Boolean / Internal variable .
      Set “Copy_it” to TRUE    will copy the directory*)
if    Copy_it    then
    Copy_it   :=   FALSE ;
       (* Copy all files in“\Temp\Dir2”(except files in sub-directories) to“\Temp\dir3” *)
    TMP   :=   F_cp_dir( '\Temp\Dir2' , '\Temp\dir3' ) ;
end_if   ;
```

Note:
1. Correct directory name : for example, '\Temp\Dir2' , '\Temp\Dir3'
   Wrong directory name : for example, '\Temp\Dir2\' , '/Temp/Dir3'
2. files in sub-directories are not copied.
3. Using the "F_cp_dir" may cause the PAC cycle time increase a lot if the file amount is big or file size is large in the source directory. So don't call “F_cp_dir” frequently..
4. Please visit the following web for more information about file Read / Write operations.
https://www.icpdas.com/en/faq/index.php?kind=280#751 > FAQ-060 .

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

The way to use the “F_de_dir” is similar as the following code

```
(* Del_it    and TMP are declared as Boolean / Internal variable .
      Set “Del_it” to TRUE    will copy the directory*)
if     Del_it     then
    Del    :=    FALSE ;
        (* Delete all files in“\Temp\dir3”(excludes files in sub-directories)    *)
    TMP    :=    F_de_dir( '\Temp\dir3' ) ;
end_if    ;
```

Note:

1. Correct directory name : for example, '\Temp\dir3'
   Wrong directory name : for example, '\Temp\dir3\' , '/Temp/dir3'
2. files in sub-directories are not deleted.
3. Using the "F_de_dir" may cause the PAC cycle time increase a lot if the file amount is big or file size is large in the source directory. So don't call “F_de_dir” frequently..
4. Please visit the following web for more information about file Read / Write operations. The way to use the “F_de_dir” is similar as the following code
   https://www.icpdas.com/en/faq/index.php?kind=280#751 > FAQ-060 .

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000