Subject: widget
Posted by Marco Otto on Fri, 07 Oct 2011 18:42:10 GMT

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Hi

I am new to widget programming in IDL :-(

maybe someone can tell me how to realise the second step:

1. read a .sav file
2. if there are more than one variable stored then give me a list of variables (here comes the widget - hence the hard part for me) where I can interactively select the variable I want to be read into IDL
3. rename the variable

That's all! But somehow I don't get it - seems a bit over complicated in IDL - but the problem is definitely sitting in front of the screen ;-)

Here is what I have so far

```
pro rename_input_to_lu_mask,fname,lu_msk

  restore,fname
  ; I don't know the exact name of the variable so I have to find them
from the main level
  level = Scope_Level()
  arg   = Scope_VarName(Level = Level)

  ; find all known/defined variables at the main level
  idx = where(arg ne str_equiv('FNAME') and arg ne str_equiv('LEVEL')
and arg ne str_equiv('LU_MSK') and arg
            ne str_equiv('ARG') and arg ne str_equiv('IDX')and
arg ne str_equiv('VERBOSE')and arg ne
            str_equiv('CNT')and arg ne str_equiv('tlb') and
arg ne str_equiv('wid') and arg ne str_equiv('base')
            and arg ne str_equiv('EVENT'),cnt )

  ; the easy case: the one not found at main level are the restored
ones - that  works perfectly for me
  if cnt eq 1 then lu_msk = Scope_VarFetch(arg[idx], LEVEL=LEVEL)

  ; the not so easy (and not working so far) case
  if cnt gt 1 then begin

    print, 'There is more then one variable stored in the sav-file!'
```

```
    base=WIDGET_BASE(/COLUMN,title='Select variable!',xsize=300,
ysize=250)

    wid= WIDGET_LIST(base,VALUE= str_equiv(arg[idx]))

    ; the following is just a rough guess! I already know that's not
working but with one or two more lines of the
    ; right code it should work shouldn't it ? :-)
    WIDGET_CONTROL,wid, /REALIZE,/SHOW, GET_VALUE=wid,FUNC_GET_VALUE =
'Scope_VarFetch()',/SENSITIVE

  endif

end
```

any help will be appreciated.

Regards

Marco Otto