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Subject: Problem with COMMON block

Posted by [VU KHAC Tri](#) on Mon, 29 Mar 1999 08:00:00 GMT

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Hi folks,

I have written 2 following procedures, but IDL compiler signals an error at

using "StdImage.FileName" since it does not know the definition of StdImage in the COMMON block.

Could you tell me the reason and your solution ?

Thanks so much.

Best regard,

Tri.

```
.*****
;
; procedure WindowLoadImage_event
;
; To manage all events of the WindowLoadImage
.*****
pro WindowLoadImage_event, event
COMMON SHAREIMAGE
    WIDGET_CONTROL, event.id, GET_UVALUE = selected
; define a temporal type
CASE selected OF
    'LoadStdImage': BEGIN
        fname = StdImage.FileName;
        ~~~~~~
        fname = DIALOG_PICKFILE(FILE = fname, GROUP =
LIWindow, $
                /READ, FILTER = '*.hdr', /MUST_EXIST)
    END
    'LoadObjImage': BEGIN
    END
ENDCASE
end

.*****
;
; procedure WindowLoadImage
;
; the Window of LoadImage
.*****
pro WindowLoadImage
COMMON SHAREIMAGE, StdImage, ObjImage
StdImage = {IMAGESTRUCT, Header:{HEADERSTRUCT, FileName:BYTARR(128),
Dimension:0, $
        X_Dim:0, Y_Dim:0, Z_Dim:0, $
```

```
X_Size:0., Y_Size:0., Z_Size:0.}, $
Data:PTR_NEW()}
```

```
MW_XSize = 800 ; it must be at least equal 3*img_DrawSize
```

```
MW_YSize = 650
```

```
LIWindow = WIDGET_BASE(XSIZE = MW_XSize, YSIZE = MW_YSize, TITLE
```

```
=
```

```
'Load Images')
```

```
.,*****
```

```
,
```

```
; Drawing windows
```

```
img_DrawSize = 256
```

```
img_XOffGap = (MW_XSize - 3 * img_DrawSize) / 4.0
```

```
img_YOffGap = 10
```

```
img_XOff = FIX(img_XOffGap)
```

```
img_YOff = img_XOffGap
```

```
StdImgDraw1 = WIDGET_DRAW(LIWindow, XSIZE = img_DrawSize, YSIZE
```

```
=
```

```
img_DrawSize, $
```

```
    XOFFSET = img_XOff, YOFFSET = img_YOff, FRAME = 3,
```

```
COLORS = 256)
```

```
img_XOff = FIX(img_XOff + img_DrawSize + img_XOffGap)
```

```
StdImgDraw2 = WIDGET_DRAW(LIWindow, XSIZE = img_DrawSize, YSIZE
```

```
=
```

```
img_DrawSize, $
```

```
    XOFFSET = img_XOff, YOFFSET = img_YOff, FRAME = 3,
```

```
COLORS = 256)
```

```
img_XOff = FIX(img_XOff + img_DrawSize + img_XOffGap)
```

```
StdImgDraw3 = WIDGET_DRAW(LIWindow, XSIZE = img_DrawSize, YSIZE
```

```
=
```

```
img_DrawSize, $
```

```
    XOFFSET = img_XOff, YOFFSET = img_YOff, FRAME = 3,
```

```
COLORS = 256)
```

```
.,*****
```

```
,
```

```
; Drawing buttons of range 1
```

```
img_XOff = FIX(img_XOffGap)
```

```
bt_YOff = img_YOffGap + img_DrawSize + 10
```

```
btSize = 60
```

```
btStdImgLoad = WIDGET_BUTTON(LIWindow, $
```

```
    XOFFSET = img_XOff, YOFFSET = bt_YOff, XSIZE = btSize, $
```

```
    VALUE = 'Load...!', $
```

```
    UVALUE = 'LoadStdImage')
```

```
.,*****
```

```
,
```

```
; Drawing buttons of range 2
```

```
bt_YOff = MW_YSize - img_YOffGap - img_DrawSize - 30
```

```
btObjImgLoad = WIDGET_BUTTON(LIWindow, $
```

```
    XOFFSET = img_XOff, YOFFSET = bt_YOff, XSIZE = btSize, $
```

```
    VALUE = 'Load...!', $
```

```
    UVALUE = 'LoadObjImage')
```

```
WIDGET_CONTROL, LIWindow, /REALIZE
XMANAGER, 'WindowLoadImage', LIWindow
end
```

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Subject: Re: Problem with COMMON block  
Posted by [Michael Werger](#) on Thu, 01 Apr 1999 08:00:00 GMT  
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VU KHAC Tri wrote:

```
>
> Hi folks,
>
> I have written 2 following procedures, but IDL compiler signals an
> error at
> using "StdImage.FileName" since it does not know the definition of
> StdImage in the COMMON block.
> Could you tell me the reason and your solution ?

> pro WindowLoadImage_event, event
> COMMON SHAREIMAGE
```

change this line into:

```
COMMON SHAREIMAGE, StdImage, ObjImage
```

```
> WIDGET_CONTROL, event.id, GET_UVALUE = selected
> ; define a temporal type
> ...
```

Still doesn't work? Then try to avoid COMMON (recommended).  
Just put all your required variables in a structure  
and put this into the base widget uvalue or value  
then you may easily read/write this again -

If you need to know more, just send me an email (but think  
of the easter holidays...)

--

Michael Werger

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```
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```

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