
Subject: What's the id of that widget?

Posted by [Phil Williams](#) on Fri, 20 Dec 1996 08:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

I've been developing a pretty complex app in IDL. Several widgets are managed by the xmanager and do not return their id to the calling program. What if I want to unmap, hide, control that widget and all I know is the name that was registered with the xmanager?

Below is a quick hack I did of the xregistered routine. I've added two keywords, NOMAP and GET_ID. NOMAP prevents remapping of the found widget and get_id will return the id of the found widget rather than 1.

Use:

```
...
Xmanager, 'Something',...
.
.
.
id = xregistered('something',/get_id)
widget_control, id, map = 0
.
.
.
```

Hope others find this useful.

Regards,
Phil

```
-----
function XRegistered, NAME, NOSHOW = NOSHOW, NOMAP = NOMAP, GET_ID =
GET_ID
;+
; NAME:
; XREGISTERED
;
; PURPOSE:
; This function returns true if the widget named as its argument
; is currently registered with the XMANAGER as an exclusive widget,
; otherwise this routine returns false.
;
; CATEGORY:
; Widgets.
;
; CALLING SEQUENCE:
; Result = XREGISTERED(Name)
;
```

```

; INPUTS:
; Name: A string containing the name of the widget in question.
;
; KEYWORD PARAMETERS:
; NOSHOW: If the widget in question is registered, it is brought
; to the front of all the other windows by default. Set this
; keyword to keep the widget from being brought to the front.
;   NOMAP: Set this keyword to prevent remapping of the found
;         widget.
;   GET_ID: Set this keyword to have XREGISTERED return the widget
;         id.
;
; OUTPUTS:
; If the named widget is registered, XREGISTERED returns the number
; of instances of that name in the list maintained by XMANAGER.
; Otherwise, XREGISTERED returns 0.
;
; COMMON BLOCKS:
; MANAGED
;
; SIDE EFFECTS:
; Brings the widget to the front of the desktop if it finds one.
;
; RESTRICTIONS:
; None.
;
; PROCEDURE:
; Searches the list of exclusive widget names and if a match is found
; with the one in question, the return value is modified.
;
; MODIFICATION HISTORY:
; Written by Steve Richards, November, 1990
; Jan, 92 - SMR Fixed a bug where an invalid widget
; was being referenced with
; WIDGET_CONTROL and the /SHOW keyword.
; 17 November 1993 - AB and SMR. Added ID validity checking to
; fix a bug where already dead widgets were being
; accessed.
;   19 Dec 96 - Added nomap and get_id keywords PMW
;-

```

```

COMMON MANAGED, ids, names, $
nummanaged, inuseflag, $
backroutines, backids, backnumber, nbacks, validbacks, $
blocksize, $
cleanups, $
outermodal

```

```

if keyword_set(noshow) then show = 0 else show = 1
if keyword_set(nomap) then map = 0 else map = 1
if not(keyword_set(get_id)) then get_id = 0
answer = 0 ; Nothing matched yet

IF(KEYWORD_SET(nummanaged)) THEN begin
  validids = WHERE(ids ne 0, answer)
  if (answer eq 0) then return, 0 ; No valid ids
  registered = WHERE(names(validids) EQ NAME, answer)
  if (answer eq 0) then return, 0 ; Name not registered
  registered = validids(registered)
endif else return, 0 ; Nothing being managed.

; Assertion: answer cannot be 0 at this point
validids = WIDGET_INFO(ids(registered), /VALID)

IF validids(0) EQ 1 then $
  WIDGET_CONTROL, ids(registered(0)), SHOW = show, map = map

if get_id then return, ids(registered(0)) else return, answer

END

```

```

--
/*****
Phil Williams, Ph.D.
Research Instructor
Children's Hospital Medical Center  "One man gathers what
Imaging Research Center           another man spills..."
3333 Burnet Ave.                  -The Grateful Dead
Cincinnati, OH 45229
email: williams@irc.chmcc.org
URL: http://scuttle.chmcc.org/~williams/
*****/

```
