Subject: Capturing draw events
Posted by Phil Williams on Sat, 22 Jun 1996 07:00:00 GMT

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Widget programmers,

I was wondering if anyone out there can help me out with a problem....

Here's the situation. I have a widget with several control panels
created with coumpound widgets. They all have state structures which I
save in the uvalue of the first child of the base. These structures
typically have the ids of any child widgets that I need access to.

When one of these panels is displayed I want to send any draw events to
a different procedure to process the event and update child widgets of
that panel. However, the following does not work:

```
pro panel_draw_event, draw_event, parent

stash = WIDGET_INFO(parent, /CHILD)
WIDGET_CONTROL, stash, GET_UVALUE=r, /NO_COPY

widget_control, r.textwidgetid, $
 set_value=string(draw_event.x) + string(draw_event.y)

WIDGET_CONTROL, stash, SET_UVALUE=r, /NO_COPY

end
```

From the main widget I pass the event structure and the mainbase id of
the panel from when it was originally created. I have checked
panel_draw_event to make sure that parent was indeed the correct value
and it is. Can I only retrieve the structure r if the handler and the
parent are the same? If so, how can I work around this?

Any pointers would be greatly appreciated...

--
 /** *******/
  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/

```
/*********************************************************** *******/
```

Subject: Re: CAPTURING
Posted by Christian Soeller on Thu, 31 Oct 1996 08:00:00 GMT
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Mario Noyon <mnoyon@jmc-luni.u-bordeaux2.fr> writes:

> Is there a way to capture a whole widget application in an image (in any
> format gif or ps)?
> I would like to capture a window with all its elements (buttons, menus,
> drawing widgets and the plots they contain).

There are programs around to do just that. Which is the right one for
you depends on your platform. If you use unix or vms with the X window
system the shareware program xv is one that does it nicely (it is the grab
function in that package). On SGI machines you have the program snapshot
to do it. Other manufactures may ship similar programs with their machines.

There will be equivalents for Windows, Macs, etc.

Hope this helps,

  Christian

 --- --------
Christian Soeller   mailto: csoelle@sghms.ac.uk
St. Georges Hospital Medical School   Dept. of Pharmacology
Cranmer Terrace   London SW17 0RE

Subject: Re: CAPTURING
Posted by Tim Patterson on Thu, 31 Oct 1996 08:00:00 GMT
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If you're on an X-windows system, XV is a good way
to capture windows (or parts of windows). It saves in
a number of formats, and is free for educational use.
It will save in gif, ps and a number of other formats.

 Tim

Mario Noyon wrote:
>

> Is there a way to capture a whole widget application in an image (in any
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> I would like to capture a window with all its elements (buttons, menus,
> drawing widgets and the plots they contain).
>
> Anyone could help me ?
>
> Thanks in advance.
> --
> NOYON Mario
> Computer Science in Medical imaging
> University of Bordeaux 2
> mnoyon@jmc-luni.u-bordeaux2.fr

Subject: Re: CAPTURING
Posted by Craig DeForest on Thu, 31 Oct 1996 08:00:00 GMT
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Mario Noyon wrote:
>
> Is there a way to capture a whole widget application in an image (in any
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> I would like to capture a window with all its elements (buttons, menus,
> drawing widgets and the plots they contain).

Use xwd, a free program (which comes with X) that dumps an X window
to a file. It's a real, genuine program, not an IDL routine. You
invoke it from the UNIX command line.

Subject: Re: CAPTURING
Posted by davidf on Thu, 31 Oct 1996 08:00:00 GMT
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Mario Noyon < mnoyon@jmc-luni.u-bordeaux2.fr> writes:

> Is there a way to capture a whole widget application in an image (in any
> format gif or ps)?
> I would like to capture a window with all its elements (buttons, menus,
> drawing widgets and the plots they contain).

On my Macintosh, I use Flash-It 3.0.2 to do a screen capture into PICT
format. If I want the output in GIF or PS I use GraphicConverter 2.5
to convert it.

David

```
*************************************************
*  David Fanning, Ph.D.
*  2642 Bradbury Court, Fort Collins, CO 80521
*  Phone: 970-221-0438  Fax: 970-221-4762
*  E-Mail: davidf@dfanning.com
*
*  Sometimes I go about pitying myself, and all along my
*  soul is being blown by great winds across the sky.
*                                  -- Ojibway saying
*************************************************
```

Subject: Re: CAPTURING
Posted by James Tappin on Thu, 31 Oct 1996 08:00:00 GMT
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Mario Noyon wrote:
>
> Is there a way to capture a whole widget application in an image (in any
> format gif or ps)?
> I would like to capture a window with all its elements (buttons, menus,
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>
> Anyone could help me ?
>
> Thanks in advance.
> --
> NOYON Mario
> Computer Science in Medical imaging
> University of Bordeaux 2
> mnoyon@jmc-luni.u-bordeaux2.fr

The only way I know of is to start up a second terminal and use some screen
capture tool (e.g. xwpick).

The main problem with trying to automate this seems to be that there doesn't
seem to be a way of converting the IDL widget identifier to the one the X-server
is using (a useful addition to WIDGET_INFO for a future release????) as then
xwpick could be spawned with the ID as an argument and thus save the manual
operations.

```
--
 +----------------------+-------------------------------- --+---------+
| James Tappin,        | School of Physics & Space Research | O__    |
| sjt@star.sr.bham.ac.uk | University of Birmingham       | --  V` |
| Ph: 0121-414-6462. Fax: 0121-414-3722       | |
 +------------------------------------------------------------ --+---------+
```

Subject: Re: CAPTURING
Posted by brian.jackel on Sun, 03 Nov 1996 08:00:00 GMT
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In article <davidf-ya02308000311096114648001@news.frii.com> davidf@fortnet.org (David Fanning) writes:
> Mario Noyon < mnoyon@jmc-luni.u-bordeaux2.fr> writes:

>> Is there a way to capture a whole widget application in an image (in any
>> format gif or ps)?
>> I would like to capture a window with all its elements (buttons, menus,
>> drawing widgets and the plots they contain).

> On my Macintosh, I use Flash-It 3.0.2 to do a screen capture into PICT
> format. If I want the output in GIF or PS I use GraphicConverter 2.5
> to convert it.

For PC-Windows (WFWG and Win95), one can simply select the widget and hit
Alt-PrintScreen. This puts the current window (the widget) into the clipboard,
which can be pasted into the graphics program of your choice. Of course,
it would be nice to have a platform independent IDL function which would put
the widget into a pixmap...maybe in IDL 5?

Brian Jackel

Subject: Re: CAPTURING
Posted by David Foster on Mon, 04 Nov 1996 08:00:00 GMT
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> Mario Noyon wrote:
>>
>> Is there a way to capture a whole widget application in an image (in any
>> format gif or ps)?
>> I would like to capture a window with all its elements (buttons, menus,
>> drawing widgets and the plots they contain).

If you're using Solaris, you can use the built-in Snapshot
utility. I've used it to create images of our programs for
publications and for the RSI newsletter. You can specify a
rectangular region of the screen, or grab a particular X-window.

BTW, you can get XV at http://smc.vnet.net/solaris_2.5.html

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