
Subject: Obtaining image of screen
Posted by [Alan.Ling](#) on Tue, 20 Aug 2002 18:49:54 GMT
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Hello,

I have an IDL program which creates a window containing various widgets, including a drawing area made with `WIDGET_DRAW`. I can draw something in the drawing area and save the image of what is drawn to an array using `TVRD()`. What I want to do is to save the entire window into an array as an image, not just the graphics portion of the window, but everything in the window including all the widgets. Does anyone know how to do this?

Thanks,
Alan Ling

Subject: Re: Obtaining image of screen
Posted by [Liam E. Gumley](#) on Wed, 21 Aug 2002 14:26:49 GMT
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Alan Ling wrote:

>

> "Liam E. Gumley" <Liam.Gumley@ssec.wisc.edu> wrote in message
news:<3D62959E.3E369C6F@ssec.wisc.edu>...

>> Alan Ling wrote:

>>> I have an IDL program which creates a window containing various
>>> widgets, including a drawing area made with `WIDGET_DRAW`. I can draw
>>> something in the drawing area and save the image of what is drawn to
>>> an array using `TVRD()`. What I want to do is to save the entire
>>> window into an array as an image, not just the graphics portion of the
>>> window, but everything in the window including all the widgets. Does
>>> anyone know how to do this?

>>

>> I don't know of any way to do this in IDL.

>>

>> However there are a number of non-IDL ways to do it, depending on your
>> host platform. What platform are you using?

>>

>> Cheers,

>> Liam.

>> Practical IDL Programming

>> <http://www.gumley.com/>

>

> I am using Irix 6.5 on a SGI O2. I was looking for a way to do it in
> IDL. I looked into spawning snapshot in my code, but snapshot doesn't
> accept any useful arguments such as the window position and size, thus

> making it clumsy to use for this purpose.

The 'import' utility from the ImageMagick package reads an image from any visible X window and outputs it as an image file. If you don't have it installed:

<http://freeware.sgi.com/Installable/ImageMagick-5.4.1.html>

Cheers,
Liam.
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<http://www.gumley.com/>

Subject: Re: Obtaining image of screen
Posted by [mchinand](#) on Wed, 21 Aug 2002 14:35:01 GMT
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In article <571b0146.0208210503.1f9a0401@posting.google.com>,
Alan Ling <Alan.Ling@hanscom.af.mil> wrote:
> "Liam E. Gumley" <Liam.Gumley@ssec.wisc.edu> wrote in message
> I am using Irix 6.5 on a SGI O2. I was looking for a way to do it in
> IDL. I looked into spawning snapshot in my code, but snapshot doesn't
> accept any useful arguments such as the window position and size, thus
> making it clumsy to use for this purpose.

You can use xwd. You can specify either the resource ID or WM_NAME of the window you want to capture. If you set the title of the base widget you can use:

```
xwd -name 'title_of_your_base_widget' > widgetcapture.xwd
```

IDL can read the X Windows dump format file with READ_XWD.

Hope that helps,

--Mike

--

Michael Chinander
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