
Subject: Large widget identifiers
Posted by [Ian Dean](#) on Fri, 13 Dec 2002 10:59:51 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi,
Has anyone come across widget IDs "wrapping" when they reach a short int limit (65535)?

We have a run-time IDL program that is running continuously for days/weeks. During this time several runs of data are processed. Each run requires approximately 400 widgets. However, without wishing to exit the software, the runs are performed within one program.

The problem occurs when the widget ID reaches 65535, the next widget to be created is 0, not 65536. This looks like a short int problem, but IDs are supposed to be long int.

Is there a way under program control to reset the widget ID back to 1 at the beginning of a run?
I realise using the development environment .reset achieves this, but that cannot be used in a running program.

This occurs on IDL PC versions 5.2-5.5. However, it does not happen on OpenVMS versions.

The following lines will cause the error to occur:-

```
FOR J=0L, 50000L DO BEGIN  
  Base=WIDGET_BASE()  
  WIDGET_CONTROL, Base, /DESTROY  
ENDFOR
```

Any suggestions would be welcome
Regards,
Ian

Subject: Re: Large widget identifiers
Posted by [Jeff Guerber](#) on Sat, 14 Dec 2002 00:53:34 GMT
[View Forum Message](#) <> [Reply to Message](#)

Works for me (up to 70000) in IDL 5.5 on HP-UX 11. Took a while to create all those widget_bases, though!

Jeff Guerber

Subject: Re: Large widget identifiers

Posted by [Andrew Cool](#) on Sun, 15 Dec 2002 21:55:21 GMT

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

Ian Dean wrote:

>
> Hi,
> Has anyone come across widget IDs "wrapping" when they reach a short int
> limit (65535)?
>
> We have a run-time IDL program that is running continuously for days/weeks.
> During this time several runs of data are processed. Each run requires
> approximately 400 widgets. However, without wishing to exit the software,
> the runs are performed within one program.
>
> The problem occurs when the widget ID reaches 65535, the next widget to be
> created is 0, not 65536. This looks like a short int problem, but IDs are
> supposed to be long int.
>
> Is there a way under program control to reset the widget ID back to 1 at the
> beginning of a run?
> I realise using the development environment .reset achieves this, but that
> cannot be used in a running program.
>
> This occurs on IDL PC versions 5.2-5.5. However, it does not happen on
> OpenVMS versions.
>
> The following lines will cause the error to occur:-
>
> FOR J=0L, 50000L DO BEGIN
> Base=WIDGET_BASE()
> WIDGET_CONTROL, Base, /DESTROY
> ENDFOR
>
> Any suggestions would be welcome
> Regards,
> Ian

Hi Ian,

What about trying Widget_control,/RESET? Carefully, of course...

Andrew

Andrew D. Cool
Electromagnetics & Propagation Group
Intelligence, Surveillance & Reconnaissance Division
Defence Science & Technology Organisation

PO Box 1500, Edinburgh
South Australia 5111

Phone : 061 8 8259 5740 Fax : 061 8 8259 6673

Email : andrew.cool@no-spam.dsto.defence.gov.au

Please remove the no-spam from my email address to reply ;-)
