## Subject: Re: Large widget identifiers

Posted by David Burridge on Fri, 13 Dec 2002 18:41:30 GMT

Hi Ian,

I'm running IDL 5.5 on Windows XP and I see the problem too. Your example
numbers were too low for me though, as your example only goes up to 50,000
and the error is at 65,000. I did this:

```
PRO widget_test

  CATCH, error
  IF (error NE 0) THEN BEGIN
    CATCH, /CANCEL
    PRINT, 'Error with base ID transition:', lastB, ' to ', Base
    RETURN
  ENDIF

  FOR J=0L, 70000L DO BEGIN
  Base=WIDGET_BASE()
  WIDGET_CONTROL, Base, /DESTROY
  lastB = base
 ENDFOR

END
```

And got the results:

```
IDL> widget_test
Error with base ID transition: 65535 to 0
```

Looks like it's getting converted to an unsigned short somewhere! Not sure
waht the fix is, though. Are you sure it matters? As I'm sure you know, IDL
allocates pretty much sequentially in my experience, so provided you never
have 65536 active widgets you never hit a problem ... do you?

Cheers,

Dave



David Burridge

Burridge Computing

18 The Green South

Warborough

Oxon

OX10 7DN


Tel: 01865 858279

Mobile: 0780 244 1748

Email: davidb@burridgecomputing.co.uk


"Ian Dean" <Ian.d.dean@baesystems.com> wrote in message
news:3df9bce2$1@baen1673807.greenlnk.net...
> 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 occurrs 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 occurrs 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
>
>


---
Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.404 / Virus Database: 228 - Release Date: 15/10/2002