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Subject: Re: change widget slider maximum dynamically?

Posted by [davidf](#) on Tue, 02 Nov 1999 08:00:00 GMT

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Jason Brookes ([jason.brookes@rmsb.u-bordeaux2.fr](mailto:jason.brookes@rmsb.u-bordeaux2.fr)) writes  
(after translation, please turn your HTML code generator  
off, Jason!):

> Is it not just a case of using Widget Control's "set\_slider\_max"  
> keyword ? eg:  
>  
> WIDGET\_CONTROL,(\*ptr).widget\_info\_ptr).slider,SET\_SLIDER\_MAX = new\_max\_value  
>  
> Incidentally, the online IDL (5.2) help states that...  
> "Note: This keyword does not apply to floating-point sliders created with  
> the CW\_FSLIDER function."  
>  
> This is not actually true, it applies equally well  
> to floating-point sliders. RSI just haven't got  
> round to changing their documentation yet. (I think  
> it was David Fanning who pointed this out originally,  
> which is why his above response puzzles me a little...  
> seems a little long-winded?).

Whoops! Indeed. This is a case if I don't write it  
down and make a tip out of it for my web page I  
promptly forget it. :-(

Cheers,

David

P.S. "Old-fashioned" and now "long-winded" in  
the same week. I think I'm going to start looking  
for other work. Ten plus years with IDL is enough!

--

David Fanning, Ph.D.

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Toll-Free IDL Book Orders: 1-888-461-0155

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Subject: Re: change widget slider maximum dynamically?

Posted by [Craig Hamilton](#) on Tue, 02 Nov 1999 08:00:00 GMT

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One way I have dealt with this problem is to just not display the slider min and max values and use text widgets to display the min/max values. I just set the slider to a min of 0 and max of 100 and read off the percentage that I'm interested in. That way, the slider widget doesn't need to be changed. You just have to keep track of the data min/max separately and calculate the percentage into the data based on the slider setting.

Craig

--

-Craig A. Hamilton, PhD [cah@medeng.wfubmc.edu](mailto:cah@medeng.wfubmc.edu)  
-Wake Forest Univ. School of Medicine  
-Dept. of Med. Engr. / MRI Center  
-Medical Center Blvd.  
-Winston-Salem, NC 27157-1022  
-(336)716-2819 [FAX: 2870] [Secr: 6890]

David Fanning wrote:

>  
> Rob Dimeo ([robert.dimeo@nist.gov](mailto:robert.dimeo@nist.gov)) writes:  
>  
>> No doubt someone has probably figured this one out some time ago.  
>> However can anyone help me with using the widget slider control? In  
>> particular I would like to be able to set the maximum value of the  
>> widget slider dynamically (i.e. after the slider has been realized). I  
>> would like to set the maximum value of the slider at the conclusion of  
>> reading in a data set. Since a new data set may contain a different  
>> number of "groups" then the first one then it would be ideal to simply  
>> update the maximum in the slider.  
>  
> I was just looking at a piece of code I have that does  
> exactly this. I resorted to destroying the old slider  
> and recreating a new one with a new maximum value.  
> I'm not a big fan of destroying any widget except the  
> top-level base (I guess because I got hurt so bad  
> when widgets first came out years ago), but this  
> worked wonderfully well in my Windows application  
> and I think it is reasonably safe to do now on  
> most platforms.  
>  
> Cheers,  
>  
> David  
>  
> --

> David Fanning, Ph.D.  
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Subject: Re: change widget slider maximum dynamically?

Posted by [R.Bauer](#) on Tue, 02 Nov 1999 08:00:00 GMT

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Rob Dimeo wrote:

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> reading in a data set. Since a new data set may contain a different  
> number of "groups" then the first one then it would be ideal to simply  
> update the maximum in the slider.  
>  
> Thanks in advance!  
>  
> Rob

Look at widget\_control:

R.Bauer

## SET\_SLIDER\_MAX

This keyword applies to widgets created with the WIDGET\_SLIDER function.

Set this keyword to a new maximum value for the specified slider widget.

Note This keyword does not apply to floating-point sliders created with the CW\_FSLIDER function.

## SET\_SLIDER\_MIN

This keyword applies to widgets created with the WIDGET\_SLIDER function.

Set this keyword to a new minimum value for the specified slider widget.

Note This keyword does not apply to floating-point sliders created with the CW\_FSLIDER function.

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I was just looking at a piece of code I have that does exactly this. I resorted to destroying the old slider and recreating a new one with a new maximum value. I'm not a big fan of destroying any widget except the top-level base (I guess because I got hurt so bad when widgets first came out years ago), but this worked wonderfully well in my Windows application and I think it is reasonably safe to do now on most platforms.

Cheers,

David

--

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