

Subject: WWTEXT scroll position.
Posted by [nittler](#) on Wed, 01 Dec 1999 08:00:00 GMT
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Hi peoples,

I thought I had posted this already but it never showed up. I am now developing widget applications in both PV-WAVE and IDL and my head is swimming. For one WAVE application, I want to use a widget text (WWTEXT) window to output information messages as the program runs, basically a console window. I have run into two problems. First there doesn't seem to be a way to directly append text to a WWTEXT widget. Well I fixed this by writing a routine to read the current contents of the widget, tack on the new contents and put the whole thing back in the widget. This is fine, but it leads to the second problem, namely that I can't figure out how to set the scroll position of the window. So, once I rewrite the text to the widget the scroll is always set to the first line, whereas I want it to be set to the most recently written (last) line. Can anybody help?

Cheers,
Larry

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Subject: Re: WWTEXT scroll position.
Posted by [Mark D. Williams](#) on Wed, 01 Dec 1999 08:00:00 GMT
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nittler@lepvax.gsfc.nasa.gov wrote:

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- > (WWTEXT) window to output information messages as the program runs,
- > basically a console window. I have run into two problems. First there
- > doesn't seem to be a way to directly append text to a WWTEXT widget.
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- > the widget, tack on the new contents and put the whole thing back in the
- > widget. This is fine, but it leads to the second problem, namely that I
- > can't figure out how to set the scroll position of the window. So, once
- > I rewrite the text to the widget the scroll is always set to the first
- > line, whereas I want it to be set to the most recently written (last)
- > line. Can anybody help?
- >

Try the following. It's a handy tip (that I have used before)
from VNI's on-line tips database:

The example code shows how to calculate the character offset
corresponding to
the desired row of the text and then set the appropriate resource for
the widget.

EXAMPLE CODE/FILES

```

pro ButCB, wid, data
common w, top, txt, txtsel, text

row = FIX(WwGetValue(txtsel))      ; Which row do we want?

eol = [0, WHERE(BYTE(text) EQ 10B)] ; Array of linefeed indicies
                                     ; (with 0 added for the first
line)

maxrow = n_elements(eol)-1         ; Max row of the data

offset = eol(row < maxrow) + 1     ; Position to use for topCharacter

args = {, topCharacter:offset}      ; Set resource
status = WtSet(txt, args)

end

pro textpos
common w, top, txt, txtsel, text
top = WwInit('test','Test',layout,Backgr='cyan',/vertical)

label = ['Select this row:']
bbox = WwButtonBox(layout, label, 'ButCB')
txtsel = WwText(layout, Text='5')

text = 'Line 0 This is a test of positioning a text widget \012' + $
      'Line 1 This is a test of positioning a text widget \012' + $
      'Line 2 This is a test of positioning a text widget \012' + $
      'Line 3 This is a test of positioning a text widget \012' + $

```

'Line 4 This is a test of positioning a text widget \012' + \$
'Line 5 This is a test of positioning a text widget \012' + \$
'Line 6 This is a test of positioning a text widget \012' + \$
'Line 7 This is a test of positioning a text widget \012' + \$
'Line 8 This is a test of positioning a text widget \012' + \$
'Line 9 This is a test of positioning a text widget \012' + \$
'Line 10 This is a test of positioning a text widget '

```
txt = WwText(layout, Text=text, /Read, cols=40, rows=10)
```

```
status = WwSetValue(top,/Display)
```

```
WwLoop, /Noblock
```

```
end
```

Regards,

Mark Williams

Resource Engineering, Inc.
