
Subject: widget_text

Posted by [john.copley](#) on Thu, 21 Feb 2002 16:09:30 GMT

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It seems that widget_text cannot handle reasonably large string arrays and I'm wondering if anyone can suggest a workaround. I'd like to be able to display string arrays with about 100,000 characters total.

Below are some lines of code where I generate an array of 1000 strings, each of which is 12*n characters in length; within a loop n ranges from 1 to 10. I then seek to display the string array using widget_text. For n=1-3 it's OK but for larger n the number of lines displayed goes as follows: (n is in the first column and the number of lines is in the last column). (This is the output from the code)

1	12	12	14000	14000.0	1000
2	24	24	26000	26000.0	1000
3	36	36	38000	38000.0	1000
4	48	48	33380	50000.0	667
5	60	60	41136	62000.0	663
6	72	72	50868	74000.0	687
7	84	84	31936	86000.0	371
8	96	96	57752	98000.0	589
9	108	108	53160	110000.	483
10	120	120	35288	122000.	289

```
pro test_xdisplayfile
; Number of lines desired
nl=1000
; text12 is an array of nl strings, each with 12 characters
text12=sindgen(nl)
text=text12
; Each time around we make the strings 12 characters longer
for n=1,10 do begin
  if (n gt 1) then text=text+text12
; total number of characters in text (including LF/CR)
  tlen=total(strlen(text)+2)
; Make a widget
  top=widget_base()
  wtx=widget_text(top,xsize=150,YSIZE=24,/SCROLL,VALUE=text)
  widget_control,top,/realize
; Number of characters in widget
  nchars=widget_info(wtx,/text_number)
; Number of lines in widget
  nwlines=nchars/(12*n+2)
; Number of characters in first and last lines.
  nc0=strlen(text[0])
  ncl=strlen(text[nl-1])
```

```
print,i,nc0,ncl,nchars,tlen,nwlines  
widget_control,top,/destroy  
endfor  
end
```

Any ideas?

John
