
Subject: Re: write widget_table out to file?
Posted by [Jean H.](#) on Fri, 29 Aug 2008 17:57:28 GMT
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Mike wrote:

> I'd like to write the contents of a widget_table to a file. Seems
> like something someone else may have already implemented. Do any of
> you have something that your willing to share?
>
> Mike

WIDGET_CONTROL, table_ID, GET_VALUE=tblValue

```
openW, lun, filename, /get_lun
printf, lun, tblValue
close,lun
free_lun, lun
```

Jean

Subject: Re: write widget_table out to file?
Posted by [Juggernaut](#) on Fri, 29 Aug 2008 18:01:18 GMT
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On Aug 29, 12:54 pm, Mike <Michael.Mill...@gmail.com> wrote:

> I'd like to write the contents of a widget_table to a file. Seems
> like something someone else may have already implemented. Do any of
> you have something that your willing to share?
>
> Mike

```
PRO write_csv, array, columnHeaders, $
    FILENAME=filename, $
    WIDTH=width
```

```
ON_ERROR, 1
IF n_elements(array) EQ 0 THEN $
    MESSAGE, 'No Array Passed.', /INFORMATIONAL
type = size(array, /type)
IF type EQ 10 THEN BEGIN
    IF size(array, /n_dimensions) GT 1 THEN $
        MESSAGE, 'Pointer can only be 1D.', /INFORMATIONAL
    max_size=intarr(n_elements(array))
    FOR i = 0, n_elements(array)-1 DO max_size[i]=(size(*array[i]))[1]
    sData = strarr(n_elements(array), max(max_size))
    FOR i = 0, max(max_size)-1 DO BEGIN
```

```

FOR j = 0, n_elements(array)-1 DO BEGIN
  IF i GT max_size[j]-1 THEN sData[j,i] = " ELSE $
    sData[j,i]=(*array[j])[i]
ENDFOR
ENDFOR
ENDIF

ndims = size(array, /n_dimensions)
sz = size(array)
IF n_elements(columnHeaders) NE 0 THEN BEGIN
  length = n_elements(columnHeaders)
  IF length NE sz[ndims] THEN $
    MESSAGE, 'Column Header Vector Incorrect Size.', /INFORMATIONAL
ENDIF

IF n_elements(filename) EQ 0 THEN $
  filename=dialog_pickfile(/WRITE, file='yourdata.csv')
IF filename EQ " THEN RETURN
IF n_elements(width) EQ 0 THEN width=1600
IF type EQ 10 THEN xsize=n_elements(array) ELSE xsize=sz[ndims-1]

OPENW, lun, filename, /get_lun, width=width
IF n_elements(columnHeaders) NE 0 THEN BEGIN
  sColumns = strtrim(columnHeaders,2)
  sColumns[0:xsize-2] = sColumns[0:xsize-2] + ','
  PRINTF, lun, sColumns
ENDIF

IF type NE 10 THEN sData = strtrim(array,2)

sData[0:xsize-2,*] = sData[0:xsize-2,*] + ','
PRINTF, lun, sData
CLOSE, lun
FREE_LUN, lun
END

```

Subject: Re: write widget_table out to file?
 Posted by [Juggernaut](#) on Fri, 29 Aug 2008 18:03:44 GMT
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On Aug 29, 2:01 pm, Bennett <juggernaut...@gmail.com> wrote:
 > On Aug 29, 12:54 pm, Mike <Michael.Mill...@gmail.com> wrote:
 >
 >> I'd like to write the contents of a widget_table to a file. Seems
 >> like something someone else may have already implemented. Do any of
 >> you have something that your willing to share?
 >

```

>> Mike
>
> PRO write_csv, array, columnHeaders, $
>
> FILENAME=filename, $
>
>                                WIDTH=width
>
>
>     ON_ERROR, 1
>     IF n_elements(array) EQ 0 THEN $
>         MESSAGE, 'No Array Passed.', /INFORMATIONAL
>     type = size(array, /type)
>     IF type EQ 10 THEN BEGIN
>         IF size(array, /n_dimensions) GT 1 THEN $
>             MESSAGE, 'Pointer can only be 1D.', /INFORMATIONAL
>         max_size=intarr(n_elements(array))
>         FOR i = 0, n_elements(array)-1 DO
max_size[i]=(size(*array[i]))[1]
>         sData = strarr(n_elements(array), max(max_size))
>         FOR i = 0, max(max_size)-1 DO BEGIN
>             FOR j = 0, n_elements(array)-1 DO BEGIN
>                 IF i GT max_size[j]-1 THEN sData[j,i] = " ELSE $
>                     sData[j,i]=(*array[j])[i]
>             ENDFOR
>         ENDFOR
>     ENDIF
>
>     ndims = size(array, /n_dimensions)
>     sz = size(array)
>     IF n_elements(columnHeaders) NE 0 THEN BEGIN
>         length = n_elements(columnHeaders)
>         IF length NE sz[ndims] THEN $
>             MESSAGE, 'Column Header Vector Incorrect Size.',
/INFORMATIONAL
>     ENDIF
>
>     IF n_elements(filename) EQ 0 THEN $
>         filename=dialog_pickfile(/WRITE, file='yourdata.csv')
>     IF filename EQ " THEN RETURN
>     IF n_elements(width) EQ 0 THEN width=1600
>     IF type EQ 10 THEN xsize=n_elements(array) ELSE xsize=sz[ndims-1]
>
>     OPENW, lun, filename, /get_lun, width=width
>     IF n_elements(columnHeaders) NE 0 THEN BEGIN
>         sColumns = strtrim(columnHeaders,2)
>         sColumns[0:xsize-2] = sColumns[0:xsize-2] + ';'
>         PRINTF, lun, sColumns
>     ENDIF
>

```

```

> IF type NE 10 THEN sData = strtrim(array,2)
>
> sData[0:xsize-2,*] = sData[0:xsize-2,*] + ','
> PRINTF, lun, sData
> CLOSE, lun
> FREE_LUN, lun
> END

```

Hope that helps...at least get you on the right path. It's something I've used in the path to write out data in a pointer or in a 2D array.

Subject: Re: write widget_table out to file?

Posted by [Juggernaut](#) on Fri, 29 Aug 2008 18:05:38 GMT

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On Aug 29, 2:01 pm, Bennett <juggernaut...@gmail.com> wrote:

> On Aug 29, 12:54 pm, Mike <Michael.Mill...@gmail.com> wrote:

>

>> I'd like to write the contents of a widget_table to a file. Seems
>> like something someone else may have already implemented. Do any of
>> you have something that your willing to share?

>

>> Mike

>

> PRO write_csv, array, columnHeaders, \$

>

FILENAME=filename, \$

>

WIDTH=width

>

> ON_ERROR, 1

> IF n_elements(array) EQ 0 THEN \$

> MESSAGE, 'No Array Passed.', /INFORMATIONAL

> type = size(array, /type)

> IF type EQ 10 THEN BEGIN

> IF size(array, /n_dimensions) GT 1 THEN \$

> MESSAGE, 'Pointer can only be 1D.', /INFORMATIONAL

> max_size=intarr(n_elements(array))

> FOR i = 0, n_elements(array)-1 DO

max_size[i]=(size(*array[i]))[1]

> sData = strarr(n_elements(array), max(max_size))

> FOR i = 0, max(max_size)-1 DO BEGIN

> FOR j = 0, n_elements(array)-1 DO BEGIN

> IF i GT max_size[j]-1 THEN sData[j,i] = " ELSE \$

> sData[j,i]=(*array[j])[i]

>

ENDFOR

> ENDFOR

> ENDIF

```

>
>     ndims = size(array, /n_dimensions)
>     sz = size(array)
>     IF n_elements(columnHeaders) NE 0 THEN BEGIN
>         length = n_elements(columnHeaders)
>         IF length NE sz[ndims] THEN $
>             MESSAGE, 'Column Header Vector Incorrect Size.',
/INFORMATIONAL
>     ENDIF
>
>     IF n_elements(filename) EQ 0 THEN $
>         filename=dialog_pickfile(/WRITE, file='yourdata.csv')
>     IF filename EQ " THEN RETURN
>     IF n_elements(width) EQ 0 THEN width=1600
>     IF type EQ 10 THEN xsize=n_elements(array) ELSE xsize=sz[ndims-1]
>
>     OPENW, lun, filename, /get_lun, width=width
>     IF n_elements(columnHeaders) NE 0 THEN BEGIN
>         sColumns = strtrim(columnHeaders,2)
>         sColumns[0:xsize-2] = sColumns[0:xsize-2] + ';'
>         PRINTF, lun, sColumns
>     ENDIF
>
>     IF type NE 10 THEN sData = strtrim(array,2)
>
>     sData[0:xsize-2,*] = sData[0:xsize-2,*] + ';'
>     PRINTF, lun, sData
>     CLOSE, lun
>     FREE_LUN, lun
> END

```

The table from the widget has data in a 2D array in my experience which is what you'd want to put in as the input "array" to the write_csv function

Subject: Re: write widget_table out to file?
 Posted by [Juggernaut](#) on Fri, 29 Aug 2008 18:37:34 GMT
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On Aug 29, 1:57 pm, Jean H <jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:

```

> Mike wrote:
>> I'd like to write the contents of a widget_table to a file. Seems
>> like something someone else may have already implemented. Do any of
>> you have something that your willing to share?
>
>> Mike

```

```
>  
> WIDGET_CONTROL, table_ID, GET_VALUE=tblValue  
>  
> openW, lun, filename, /get_lun  
> printf, lun, tblValue  
> close,lun  
> free_lun, lun  
>  
> Jean
```

Well if you want to take the easy way out....
