
Subject: deleting structure element
Posted by [Bernard Puc](#) on Thu, 27 Jul 2000 07:00:00 GMT
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Is there a neat, clever way to "delete" an element from a structure?

Thanks

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Subject: Re: deleting structure element
Posted by [R.Bauer](#) on Tue, 01 Aug 2000 07:00:00 GMT
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Yes, it is

look at

delete_tag : This functions deletes a tag in a structure, even within substructures. There is no problem deleting a tag from a subsubsub structure.

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/delete_tag.tar.gz

or

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_source/idl_html/dbase/download/delete_tag.sav

also available:

add_tag : This functions adds a tag on an arbitrary level of a structure.

replace_tagvalue: This functions replaces a tag in a structure or sub structure

Reimar Bauer

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; EXAMPLE:
; d = {A: 1, B: {B1: 0, B2: 1}, C: {B1: 0, B2: 1}}
;
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; result = delete_tag(d, 'B')
; help, result, /str
; ** Structure <1342678>, 2 tags, length=8, refs=1:
; A      INT      1
; C      STRUCT   -> <Anonymous> Array[1]
;
; result = delete_tag(d, ['B*'], SUB = 'C')
; help, result, /str
; ** Structure <13694a8>, 2 tags, length=6, refs=1:
; A      INT      1
; B      STRUCT   -> <Anonymous> Array[1]
;
; result = delete_tag(d, '*B1', SUB = ['B', 'C'])
; help, result.b, /str
; ** Structure <1331be8>, 1 tags, length=2, refs=1:
; B2     INT      1
;
; result = delete_tag(d, ['B1', 'B2'], /ALL)
; help, result, /str
; ** Structure <170fac8>, 1 tags, length=2, refs=1:
; A      INT      1
;
; help,(delete_tag(d,'b1',sub_structure='B')).b,/str
; B2     INT      1
;
; help,(delete_tag(d,'b1',sub_structure='B')).c,/str
; ** Structure <1333618>, 2 tags, length=4, refs=1:
; B1     INT      0
; B2     INT      1
;
; help,(delete_tag(d,'*',sub_structure='B')),/str
; ** Structure <133b2d8>, 2 tags, length=6, refs=1:
; A      INT      1
; C      STRUCT   -> <Anonymous> Array[1]
;
; help,(delete_tag(d,'*',sub_structure='B',/sort)),/str
; ** Structure <d40daa8>, 2 tags, length=6, refs=1:
; A      INT      1
; C      STRUCT   -> <Anonymous> Array[1]
;
; help,(delete_tag(d,sub_structure=['B','A'])),/str
; ** Structure <132fe78>, 2 tags, length=6, refs=1:
; A      INT      1
; C      STRUCT   -> <Anonymous> Array[1]
;
; help,(delete_tag(d,sub_structure=['B','C'])),/str
; ** Structure <1333288>, 1 tags, length=2, refs=1:
; A      INT      1

```

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;
;
;  help,(delete_tag(d,['B1','B2'],sub_structure=['B','C'])),/st r
;  ** Structure <46a9498>, 1 tags, length=2, refs=1:
;  A          INT          1
;
;
;  d = {ABRA: {B1: 0, B2: 1}, ABRA2B: {B1: 0, B2: 1}, ABRA3B: {B1: 0,
B2: 1}}
;
;
;  result=delete_tag(d,'abra')
;  help,result,/str
;  ** Structure <1365a48>, 2 tags, length=8, refs=1:
;  ABRA2B      STRUCT  -> <Anonymous> Array[1]
;  ABRA3B      STRUCT  -> <Anonymous> Array[1]
;
;
;  result=delete_tag(d,'abra*')
;  help,result,/str
;  RESULT      INT      =      -1
;
;
;  result=delete_tag(d,'abra?B')
;  help,result,/str
;
;
;  ** Structure <1364358>, 1 tags, length=4, refs=1:
;  ABRA        STRUCT  -> <Anonymous> Array[1]
;
;
;  d = {ABRA: {B1: 0, B2: {A:1}}, ABRA2B: {B1: 0, B2: {A:1}}, ABRA3B:
{B1: 0, B2: {A:1}}}
;  result=delete_tag(d,'A',sub_structure='abra.b2')
;  help,result.abra,/str
;  ** Structure <1365c68>, 1 tags, length=2, refs=2:
;  B1          INT          0
;
;

```
