
Subject: Re: delete a tagname from a structure
Posted by [Alex Schuster](#) on Thu, 21 Aug 1997 07:00:00 GMT
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Some days ago, in an article I don't have here, R. Bauer asked for such a routine. Now I needed something like this for myself and wrote this small routine I've attached here. It replaces a tag from a structure by another, and also allows its deletion. Seems to work, although I don't guarantee for anything...

Alex

--
Alex Schuster Wonko@weird.cologne.de PGP Key available
alex@pet.mpin-koeln.mpg.de

-----1BA853742701
Content-Type: text/plain; charset=us-ascii; name="replace_tag.pro"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline; filename="replace_tag.pro"

```
;+
; NAME:
;   REPLACE_TAG
;
; PURPOSE:
;   Replaces a tag in a structure by another
;
; CALLING:
;   replace_tag, struct, old_tag, new_tag, value
;
; INPUTS:
; struct - the structure to be changed
; old_tag - name of the tag to be changed
; new_tag - name of the new tag
;   If set to "", old_tag is deleted from the structure
; value - value of the new tag
;
; RESTRICTIONS:
; Does not work with named structures
;
; MODIFICATION HISTORY:
```

```
; Alex Schuster, MPIfnF, 8/97 - Written  
;-
```

```
pro replace_tag, struct, old_tag, new_tag, value
```

```
tags = tag_names( struct )
```

```
pos = (where( tags eq strupcase( old_tag ) ))(0)
```

```
if ( pos eq -1L ) then begin
```

```
  print, 'Error: Tag ', old_tag, ' not in struct.'
```

```
  return
```

```
endif
```

```
if ( ( pos eq 0 ) and ( new_tag ne " ) ) then begin
```

```
  new_struct = create_struct( new_tag, value )
```

```
endif else begin
```

```
  new_struct = create_struct( tags(0), struct.(0) )
```

```
  for i = 1, pos-1 do $
```

```
    new_struct = create_struct( new_struct, tags(i), struct.(i) )
```

```
  if ( new_tag ne " ) then $
```

```
    new_struct = create_struct( new_struct, new_tag, value )
```

```
endelse
```

```
for i = pos+1, n_elements( tags )-1 do $
```

```
  new_struct = create_struct( new_struct, tags(i), struct.(i) )
```

```
struct = new_struct
```

```
end
```

```
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```
