
Subject: Re: Is there any way to change the dimension of a field in a structure?

Posted by [Hongkai](#) on Tue, 22 Jan 2008 14:45:09 GMT

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Thanks, David and Maarten! Really nice solutions! While i was waiting for your answers, I wrote a dirtier code to solve this problem using the EXECUTE function :)

;Modify a single tag in a structure when we need to change the data type or dimension of this tag

pro Structure_Modify, Structure, TagName, newValue

```
NAMES = TAG_NAMES(Structure)
```

```
cmdline = 'S1={'
```

```
for i_tag = 0,N_TAGS(Structure)-1,1 do begin
```

```
    if strcmp( STRUPCASE(TagName), NAMES(i_tag) ) ne 1 then begin
```

```
        cmdline = cmdline + NAMES(i_tag) + ': Structure.
```

```
('+strtrim(string(i_tag),2)+')
```

```
    endif else begin
```

```
        cmdline = cmdline + NAMES(i_tag) + ': newValue'
```

```
    endelse
```

```
    if i_tag lt N_TAGS(Structure)-1 then begin
```

```
        cmdline = cmdline + ', '
```

```
    endif else begin
```

```
        cmdline = cmdline + '}'
```

```
    endelse
```

```
endfor
```

```
result = EXECUTE(cmdline);
```

```
Structure = S1
```

```
end
```
