Subject: Re: Is there any way to change the dimension of a field in a structure? Posted by Maarten[1] on Tue, 22 Jan 2008 13:47:45 GMT

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On Jan 22, 6:11 am, Hongkai <wang.hong...@gmail.com> wrote:

```
> This is reasonable because IDL dose not allow to change the dimensions
> of the fields in the structure.
> I can solve this problem by redefining another structure S1 with the
> same tag names of S:
> S1 = {Dog:lindgen(3,118), Cat:'cc', Horse:[1,2,4]}
> S = S1
>
> However, the question is, if I only know the tag name of the field
> Dog, and I don't know the tag names of other fields in S, how can I
> change the dimension of Dog?
>
> I've tried this:
> aa = tag_names(S1)
> S = \{aa(0): lindgen(3,118), aa(1):S.(1), aa(2):S.(2)\}
Although David pointed to pointers as a solution, that does require
extensive changes to the rest of your code. The following dirty code
may be of help.
```

tnames = tag_names(S1)
tmp = create_struct(tnames[0], lindgen(3,118))
for ii=1,n_elements(tnames)-1 do tmp = create_struct(tmp, tnames[ii],
S.(ii))
S = tmp

Maarten