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

Posted by [Hongkai](#) on Tue, 22 Jan 2008 06:11:44 GMT

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Hi folks,

I've been trying to change the dimension of a field in a structure, like the followings:

```
S = {Dog:lindgen(3,112), Cat:'cc', Horse:[1,2,4]}
S.Dog = lindgen(3,118)
```

I got this:

```
'Conflicting data structures: structure tag,<LONG    Array[3,118]>.'
```

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),a a(2):S.(2)}
```

but this only got a syntax error !

Thanks!

Hongkai
