
Subject: Problem with create_struct under OpenVMS
Posted by [Liyun Wang](#) on Thu, 08 Aug 1996 07:00:00 GMT
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Hi,

I have an IDL function routine (let's call it MK_STC for the sake of argument) that uses CREATE_STRUCT to create an anonymous structure in following way:

```
stc = create_struct('tag_1', strarr_1)
```

then in a loop I do

```
stc = create_struct(stc, 'tag_i', strarr_i)
```

where strarr_i is the ith string array.

MK_STC works well in most cases (including typing a=mk_stc() at IDL prompt) except when it is called from a not-so-small application; in this case, I get an error message from IDL saying "Invalid tag number, CREATE_STRUCT, structure anonymous". After this happens, MK_STC stops working even with a=mk_stc() at IDL prompt. I have to point out that the error only occurs on my DEC alpha machine running OpenVMS. Here is the !version info of my machine:

```
IDL> help, /str, !version
** Structure !VERSION, 4 tags, length=32:
  ARCH      STRING  'alpha'
  OS        STRING  'vms'
  OS_FAMILY  STRING  'vms'
  RELEASE    STRING  '4.0'
```

I tried my same application that calls MK_STC on other DEC alpha machines running OSF/1 V3.2 for IDL versions 3.6.1c and 4.0.1 without any problem. In all cases, I set the code and data sizes to 64000 bytes in my IDL session.

Do you experience a similar problem? Can any of you give me a clue on why CREATE_STRUCT behaves differently under OpenVMS and OSF/1?

Thanks a lot.

Liyun

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