
Subject: IDL nested structures in Callable IDL

Posted by [jicicuenandez](#) on Thu, 19 May 2005 11:39:57 GMT

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Hi everybody,

I am trying to create a IDL nested structure from C and I am going a bit nuts because I can't find the way. The application fails when I try `cDef=IDL_MakeStruct(NULL,cTags)`. I am trying to create an equivalent of:

```
data={N_ITEMS:2, DATA1:data1, DATA2:data2}
where data1 and data2
data1={x:dblarr(numberPoints1), y:dblarr(numberPoints1)}
data2={x:dblarr(numberPoints2), y:dblarr(numberPoints2)}
```

just only trying to include data1

```
static IDL_MEMINT dataInDims[]={1,1};
static IDL_MEMINT x_dim[] = {1,numberPoints1};
static IDL_MEMINT y_dim[] = {1,numberPoints1};

static IDL_STRUCT_TAG_DEF timeSeries_tags[] = {
    {"X", x_dim, (void *) IDL_TYP_DOUBLE},
    {"Y", y_dim, (void *) IDL_TYP_DOUBLE},
    {0}};

static IDL_STRUCT_TAG_DEF cTags[]={
    {"N_ITEMS", 0, (void *) IDL_TYP_INT},
    {"DATA1" , 0, (void *)
timeSeries_tags},
    {0}};
```

Can anybody give me some hints about what I am doing wrong? That would be most appreciated.

Cheers,
Juan
