
Subject: CALL_EXTERNAL and structures

Posted by [Hubert Rehrauer](#) on Mon, 23 Jun 1997 07:00:00 GMT

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Hello,

I got the following problem. I want to call a C function that modifies a IDL structure. This works pretty well, except for structure tags that have an array-type.

In the following example the values of the tag 'second' can not be modified and I can't see why!

By the way, I'm working on a SOLARIS system.

Would be nice if somebody could help me.

Bye,
hubi

```
/*
  IDL input:

      $ cc -G -Kpic -c -lm -v idltest.c
      $ ld -G -o idltest.so idltest.o
a= 5L
b = DBLARR(4)
data={ first: a, second: b }
print,data
check = CALL_EXTERNAL('idltest.so','idltest', $
    datastruct)
print,data
```

```
*/
```

```
/* content of the file 'idltest.c' */
```

```
typedef struct {
    long first;
    double * second;
} data;
```

```
long idltest( int argc, void * argv[])
{
    data * d;
```

```
d = (data * ) argv[0];

d->first = 25;
*(d->second) = 1.4;
*(d->second +2) =3.8;

return(0L);
}

/* end of file 'idltest.c' */
```
