
Subject: IDL and C interface

Posted by [Ettore Lopinto](#) on Thu, 16 Oct 1997 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello everyone!

Does anybody know how to call the IDL function "MAKE_ARRAY" from a C routine? I just need to know the proto of the C function "IDL_MakeArray" which should allocate an IDL array. I was unable to find it in the export.h file which comes with IDL distribution.

Tks

Antonio Giancaspro

plase answer to the list, or prefereably to

TOOLBOX@NETSYSTEM.IT

or

MC0486@MCLINK.IT

Subject: Re: IDL and C interface

Posted by [Richard D. Hunt](#) on Thu, 30 Oct 1997 08:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

Ettore Lopinto wrote:

>

> Hello everyone!

> Does anybody know how to call the IDL function "MAKE_ARRAY" from a C

> routine? I just need to know the proto of the C function "IDL_MakeArray"

> which should allocate an IDL array. I was unable to find it in the

> export.h file which comes with IDL distribution.

> Tks

> Antonio Giancaspro

>

> plase answer to the list, or prefereably to

> TOOLBOX@NETSYSTEM.IT

> or

> MC0486@MCLINK.IT

I think you want IDL_MakeTempArray(). It should be in the advanced manuals.

```
char * IDL_MakeTempArray(int type, int n_dim, IDL)LONG dim[], int init,
    IDL_VPTR *var);
```

type: One of the IDL types (e.g. IDL_TYP_LONG)

n_dim: number of array dimesions.

dim: array specifying the number of elements in each dimension.

init: what type of initialization (e.g. IDL BARR INI ZERO)

var: address of resulting array.

The return pointer of this call is the address of the data locations pointed to by "var". This gives you an easy way to fill the array without having to perform a bunch of indexing.

—

Richard D. Hunt
SANDIA NATIONAL LABORATORIES
P.O. Box 5800 M/S 0965
Albuquerque, NM 87185-0965
Voice: (505)844-3193
Fax: (505)844-5993
E-Mail: rdhunt@sandia.gov