
Subject: Write IDL file to C

Posted by [Jean - Luc OLIVES](#) on Thu, 11 Jul 1996 07:00:00 GMT

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Hello IDL world user,

I have some beginner trouble with using IDL. I used IDL for process image, and save them for read by a C program. My C code can read that files, "Bon dieu mais que ce passe t-il ?".

I want an special output format :

```
int  int  float float float float ...  
(dimx) (dimy) Re(X) Im(X) Re(Y) Im(Y) ...
```

The first two are the size of my "image", follow by the data who are complex. So I this is my IDL code

```
*****  
DataC = COMPLEXARR(dimx,dimy)  
DataC = COMPLEX(image)  
A =[dimx,dimy]  
A = FIX(A)  
OPENW ,unit ,filename, /GET_LUN  
WRITEU, unit, A  
WRITEU ,unit, DataC  
FREE_LUN ,unit  
*****
```

I have read the file by the READU, and it's work well.

And My C code :

```
void OpenInputFile(FILE *fpt, char *filename)  
{  
    if ((fpt = fopen(filename, "rb+")) == NULL) {  
        fprintf (stderr, "VDP: could not open file %s\n", filename);  
        exit(3);  
    }  
}
```

```
void ReadNumRow_Col(int nr, int nc, FILE *fpt) {  
    fread(&nr, sizeof(int), 1, fpt);  
    fread(&nc, sizeof(int), 1, fpt);  
}
```

Classical C routines

I have tried (short int), but don't work.

Result = numRows : 1090519040, numcols : 0

Please HELP !!!!

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