
Subject: IDL_FileOpen problem?

Posted by [Nando Iavarone](#) on Tue, 13 Jun 2000 07:00:00 GMT

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<html>

Dear all,

I have some problems reading files using DLM under win platform.

I am using IDL 5.2.1 and VisualC++ compiler.

<p>I wrote a little file called 'foo', using the simple

<p>IDL>&nbs;data = dindgen(10)

IDL>&nbs;openW, 1, 'foo'

IDL>&nbs;writeU, 1, data

IDL>&nbs;close, 1

<p>After it I need to read them from a c-function in a DLM.

&nbs;

&nbs;

<p>- The code&nbs; below works fine on unix platform (SGI and linux) but it can't read data if used on WIN 98, NT.

Anyone knows what's happening? A flag problem in the open?

Note that after the IDL_FileOpen the same procedure is repeated using simple fopen, and all is ok.

<p>- The documentation about the IDL_FileOpen (IDL - External Development Guide) does not match the prototype definition in the file external.h.

This is for EDG 5.0, 5.1, 5.2, 5.3

&nbs;

&nbs;

<p>This is the simple testmodule.c of the IDL distribution suitably modified.

This means you already have the makefile (or the win batch) to compile it.

&nbs;

<p>Thank you for your help,

 &nbs;&nbs;&nbs;&nbs;&nbs; &nbs;&nbs;&nbs;&nbs;

Nando.

&nbs;

&nbs;

<p>#include <stdio.h>

#include "export.h"

<p>/* Handy macro */

#define ARRELEN(arr) (sizeof(arr)/sizeof(arr[0]))

<p>*/

&nbs;* Define message codes and their corresponding printf(3) format

&nbs;* strings. Note that message codes start at zero and each one is

&nbs;* one less than the previous one. Codes must be monotonic and

&nbs;* contiguous.

&nbs;*/

static IDL_MSG_DEF msg_arr[] =


```

&nbsp;&nbsp;&nbsp;
IDL_Print(1,&tmp,NULL);
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp; }
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp; else
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp; {
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;
err = fread(dblarr, 10*sizeof(double), 1, fPtr);
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;
if (err != 1)
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
{
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
tmp = IDL_StrToString("can't read.....\n");
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
IDL_Print(1,&tmp,NULL);
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
/* return; */
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;&nbsp;
}
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;
tmp = IDL_ImportArray(1, dim, IDL_TYP_DOUBLE, (UCHAR*)dblarr, NULL, NULL);
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;
IDL_Print(1, &tmp, NULL);
<p> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;
fclose(fPtr);
<br> &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; &nbsp; }
<br>&nbsp;
<p>&nbsp;&nbsp;&nbsp; /* cleanup */
<br>&nbsp;&nbsp;&nbsp; IDL_Deltmp(Lun);
<br>&nbsp;&nbsp;&nbsp; IDL_Deltmp(tmp);
<br>
<br>&nbsp;
<br>&nbsp;
<p> /* Implementation of the TESTFUN IDL function */
<br>static IDL_VPTR testfun(int argc, IDL_VPTR *argv)
<br>{
<p>&nbsp; IDL_MessageFromBlock(msg_block, M_TM_INFUN, IDL_MSG_RET);
<br>&nbsp; return IDL_StrToString("TESTFUN");

```

FALSE, ARRLE

}

<pre>--
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