
Subject: idl dlm

Posted by [wroozee](#) on Wed, 08 Oct 2003 16:55:47 GMT

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hi, i'm new to IDL, so this might be a basic question for all IDL experts. Any help is greatly appreciated.

I have this .cpp file and i need to call the functions in this file from IDL.

.cpp file

```
-----  
  
#include "ESML.h"  
#include "idl_export.h"
```

```
  
void * ESML_CreateObj(const std::string & esmlFile,const std::string &  
dataFile)  
{  
    return((void *)new ESML(esmlFile,dataFile));  
}
```

```
  
void ESML_DeleteObj(void * esmlObj)  
{  
    delete((ESML *)esmlObj);  
}
```

```
  
int IDL_Load(void)  
{  
    /*  
     * These tables contain information on the functions and procedures  
     * that make up the TESTMODULE DLM. The information contained in  
these  
     * tables must be identical to that contained in testmodule.dlm.  
     */  
    static IDL_SYSFUN_DEF2 function_addr[] = {  
        { (IDL_SYSRTN_GENERIC) ESML_CreateObj, "ESML_CREATEOBJ", 2, 2, 0,  
0},  
        { (IDL_SYSRTN_GENERIC) ESML_DeleteObj, "ESML_DELETEOBJ", 1, 1, 0,  
0}  
    };  
  
    /*  
     * Register our routine. The routines must be specified exactly the  
same  
     * as in testmodule.dlm.
```

```
*/  
return IDL_SysRtnAdd(function_addr, IDL_TRUE,  
IDL_CARRAY_ELTS(function_addr));  
}
```

.dlm file

```
MODULE esml  
DESCRIPTION Test code for loadable modules  
VERSION 1.0  
SOURCE Research Systems, Inc.  
BUILD_DATE OCT 8 2003  
FUNCTION ESML_CREATEOBJ 2 2  
FUNCTION ESML_DELETEOBJ 1 1
```

.def file

```
LIBRARY esml  
DESCRIPTION 'Demonstrates use of IDL Dynamic Loadable Modules'  
  
EXPORTS IDL_Load @1
```

Thanks,
Wroozee
