
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
