
Subject: Re: call_external (IDL5.5)
Posted by [R.Bauer](#) on Mon, 25 Feb 2002 13:19:05 GMT
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Reimar Bauer wrote:

>
Hi,
I give an example:

The following compiled and used by idl5.4.1 works fine and IDL5.5 got's a memory fault.

IDL> PRINT,call_external('my_stat.so.linux','uid','file.txt','/i_v alue)

```
/*
Linux:
gcc -fPIC -Wall -g -c my_stat.c
gcc -g -shared -Wl,-soname,my_stat.so.0 -o my_stat.so.linux my_stat.o
-lc
*/
```

```
#include <sys/stat.h>
#include <stdio.h>
#include <stdlib.h>
```

```
typedef struct {
    unsigned short slen;
    short stype;
    char *s;
} IDL_STRING;
```

```
double uid(int argc, void *argv[])
{
    /* returns the user-id of the file */
    struct stat s;
    int rcode;
    IDL_STRING path;
    char buf[1023];
    long uid;
```

```
path=*(IDL_STRING *) argv[0];
strcpy(buf,path.s);
buf[path.slen]='\0';
```

```
rcode=stat(buf,&s);
```

```
    uid=s.st_uid;  
  
    return(uid);  
  
}  
  
--
```

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<http://www.fz-juelich.de/icg/icg1/>

a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.html

<http://www.fz-juelich.de/zb/text/publikation/juel3786.html>