
Subject: Re: CALL_EXTERNAL

Posted by [zaygula](#) on Wed, 31 Jul 2002 14:35:51 GMT

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zaygula@med.miami.edu (Zakaria Aygula) wrote in message
news:<c934bc5c.0207300643.123066ce@posting.google.com>...

```
> Hi all,
>
> I am not able to pass below strings from IDL 5.5 to c/c++ interface
> running on Red Hat Linux 7.3 2.96-110. The same code worked well on
> IDL 5.4 on solaris
> The fragment of the code is shown below.
>
> FUNCTION vgam_wrap_do_query, query, dest
> FORWARD_FUNCTION lib_name, lib_func_name
>
> IPaddress = 'localhost'
> DBname    = 'gas'
> DBlogin   = 'ziko'
> DBpasswd  = 'tabes'
> rc = call_external(lib_name('gavaidl'), $
>                  lib_func_name('gava_idl_do_query'), $
>                  query, dest, n_elements(dest), $
>                  IPaddress, $
>                  DBname, $
>                  DBlogin, $
>                  DBpasswd, $
>                  /i_value, $
>                  /portable )
> return, rc
>
> end
>
> IDL>dest=strarr(16)
> IDL>query='SELECT * FROM table1'
> %Compiled module: LIB_NAME.
> %Compiled module: LIB_FUNC_NAME.
>
> printed results from c/c++ interface
>
> cout<<IPaddress[0].s<<endl; = (null) expected output 'localhost'
> cout<<DBname[0].s <<endl; = (null) expected output 'gas'
> cout<<DBlogin[0].s <<endl; = (null) expected output 'ziko'
> cout<<DBpasswd[0].s <<endl; = (null) expected output 'tabes'
```

After building up the shared object files with "export.h" of IDL_5.5,
then "cout<<IPaddress[0].slen<<endl; etc.." gave correct string length
but "cout<<IPaddress[0].s<<endl; etc.." still gives "null" output.
