
Subject: Re: OPI function wave_execute fails on VMS
Posted by [Dave Greenwood](#) on Thu, 13 Jun 2002 22:00:01 GMT
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In a previous article, GuidoVent@web.de (Guido Vent) wrote:

> Hallo all,
>
> I use then PV-Wave OPI extension to execute Wave-commands from a
> C-DLL, which is called via LINKNLOAD from Wave. On WinNt this works
> fine, but on VMS I get an access violation:
>
> %SYSTEM-F-ACCVIO, access violation, reason mask=01, virtual
> address=FFFFFFFFFF, PC=0065FAD8, PSL=03C00004
> % LINKNLOAD: Error in called routine.
> % Execution halted at \$MAIN\$ (LINKNLOAD).
>
> Here is the C source:
>
> #include "opi_c-devel.h"
>
> long Wave_Test(int argc, char *argv[]){
> char **text = ((char ***)argv)[0];
> printf("%s\n", *text);
> wave_execute(*text);
> return 0;
> }
>
>
> Other OPI-functions like wave_get_WVH or wvh_dataptr work fine.

I'm not much of a C programmer, but I think you need to declare your main routine to be "int main" rather than "long Wave_Test". I suspect something like the following will work:

```
#include <stdio.h>
#include "opi_c-devel.h"

int main(int argc, char *argv[])
{
    char *text = argv[0];
    printf("%s\n", text);
    wave_execute(text);
    return 0;
}
```

Note (1) the inclusion of stdio.h to avoid complaints about printf being implicitly declared a function

(2) the simpler use of text

Hth,
Dave

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Oak Ridge National Lab %STD-W-DISCLAIMER, I only speak for myself
