
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=FFFFFFFFC, 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
