
Subject: Re: Is System Dependent Compilation Possible?
Posted by [David Foster](#) on Mon, 29 Apr 1996 07:00:00 GMT
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Tim Patterson <tim@raptor.lpl.arizona.edu> wrote:

>
> I have a tool written in IDL/Fortran and C that needs to
> run on both Unix and VMS systems. I have a few system
> dependent IDL procedures that I use as wrappers for the
> CALL_EXTERNALS.
>
> What I would like to do is have a batch file, say
> compile.pro, which can be invoked with @compile.pro
> and will compile the correct version of wrappers
> depending upon the OS,
>
> Unfortunately, I can't seem to come up with anything
> that even approaches this.
>
> IF !version.os EQ 'vms' then .run vms_version.pro
>
> produces an error.
>

I have always wanted to use the .run executive command within procedures. Seems strange that you can't. I tried using the @routine.pro syntax but had problems.

You might find a work-around for this, but I would suggest putting the system-dependent code inside your wrapper functions, since that's more consistent with the purpose of using a wrapper function in the first place. Or you might have a "master" wrapper function that calls other "sub-" wrapper functions according to the value of !VERSION.OS .

The second approach would have the same effect as your previous attempt ... only the sub-wrapper that gets called would be compiled.

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