
Subject: Re: "include" a file

Posted by [Heinz Stege](#) on Sat, 27 Jun 2009 02:37:06 GMT

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On Fri, 26 Jun 2009 12:50:56 -0700 (PDT), JD Smith wrote:

...

> This works just fine, collapsing multi-line commands, and executing
> them, at the cost of temporarily polluting the current scope with
> "_inc_" variables (these are left undefined after the @include). You

...

Here is another idea to avoid the "_inc_" variables within the current scope. (Therefore you have to accept the existence of a common block.) I changed JDs code a little bit and put it into the following functions:

```
function include_command
;-----
;
;
common include_function,status,_inc_lines,_inc_wh,_inc_start,_inc_i
;
_inc_parts=_inc_lines[_inc_wh[_inc_i]]
if _inc_wh[_inc_i] gt _inc_start then $
    _inc_parts=strjoin( $

reform((stregex(_inc_lines[_inc_start:_inc_wh[_inc_i]-1],$
    '*(.*) *$(:.*)?[ \t]*$', $
    /SUBEXPR,/EXTRACT))[1,*])) + _inc_parts
_inc_start=_inc_wh[_inc_i]+1L
_inc_i++
;
return,_inc_parts
end
```

```
function include_status,include_file
;-----
;
;
common include_function,status,_inc_lines,_inc_wh,_inc_start,_inc_i
;
if n_elements(status) le 0 then status=0
;
if status eq 0 then begin
    _inc_lines=replicate(",file_lines(include_file))
```

```

openr,_inc_un,include_file,/get_lun
readf,_inc_un,_inc_lines
free_lun,_inc_un

_inc_wh=where(~stregex(_inc_lines,'\$(;.*)?[t]*$',/BOOLEAN) ,_inc_cnt)
_inc_start=0L
_inc_i=0L
status=1
end
;
if _inc_i ge n_elements(_inc_wh) then begin
; Clean-up the arrays in the common block
temp=temporary(_inc_lines)
temp=temporary(_inc_wh)
status=0
end
;
return,status
end

```

After that you can use the following command within your program or command line:

```

while include_status('commands.pro') do $
  if not execute(include_command()) then message,/cont,'Error.'

```

Here "commands.pro" is the include file with the commands to execute. There are no unwanted variables anymore.

If you prefer an easier command than the long while-command, you can do the file reading part of the include_status function within another procedure and use something like

```

include_file,'commands.pro'
@include_execute

```

With the modified while-command written into the file "include_execute.pro".

Heinz