Subject: Re: Mark directory for exclusion from !PATH
Posted by JD Smith on Fri, 20 Feb 2004 23:58:16 GMT

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On Fri, 20 Feb 2004 17:00:58 -0500, Wayne Landsman wrote:

> JD Smith wrote:
>>   Is their
>> an equivalent way to mark a directory so that it is not included in
>> !PATH at all? Something like "IDL_IGNORE" or some such comes to mind,
>> but I haven't found a mention of it.
>
> This reminds me of a frustrating experience I had last week when IDL
> would hang after I added a large directory structure to the !PATH.   It
> turns out that there was a bad logical directory link that was putting
> IDL into an infinite loop trying to resolve the subdirectories.   I only
>   solved the problem after switching back to V5.5 which gave explicit
> error messages -- unlike V6.0 which would hang silently.
>
> As for your original question, I can only think of the crude method of
> explicitly removing directory names from a string created using
> EXPAND_PATH before adding it to your !PATH, e.g. to remove the directory
> /home/landsman/pro/bte from the list of directories in
> +/home/landsman/pro in your startup file
>
> st = expand_path('+/home/landsman/pro')
> st = repstr(st,'/home/landsman/pro/bte:')
> !path = st + ':' + !path
>
> where repstr.pro (ftp://idlastro.gsfc.nasa.gov/pub/pro/misc/repstr.pro)
> removes the target string from object string.

I just whipped up a little routine to let me mark directories which
contain a file IDL_IGNORE. These directories, and, optionally, all
their subdirectories, are then removed from the !PATH. I call it at
startup and it works a treat. Now I can just keep everything in
~/idl, make !PATH start with +~/idl, and mark and unmark directories
with a simple file: no more futzing with !PATH.

JD

```
pro prune_idl_ignore,RECURSIVE=rcrsv
  dirs=strsplit(!PATH,':',/EXTRACT)
  sweep=file_test(dirs+path_sep()+'IDL_IGNORE',/REGULAR)
  if keyword_set(rcrsv) then begin
    wh=where(sweep,cnt)
    if cnt gt 0 then begin
      for i=0,cnt-1 do begin
```

```
      wh_root=where(strpos(dirs,dirs[wh[i]]) eq 0,root_cnt)
      if root_cnt gt 0 then sweep[wh_root]=1b
    endfor
  endif
 endif
 good=where(sweep eq 0,ngood)
 if ngood eq 0 then return
 !PATH=strjoin(dirs[good],':')
end
```