
Subject: Re: Path handling in different OSs??
Posted by [T Bowers](#) on Thu, 03 Feb 2000 08:00:00 GMT
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no, but here's a start if you don't even know how to begin. funny,
i just wrote this last night. it doesn't do what you want, it adds
the passed or current dir to IDL's !path variable.

good luck,
todd b

```
;/;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;/
function tbAddToPath, pathString, APPEND=append, TREE=tree,
WIDGROUPLER=widGroupLeader
;+
; NAME:
;   tbAddToPath
;
; PURPOSE:
;   This function creates a new path string by adding pathString to the IDL
!path var.
;
; CATEGORY:
;   Utility.
;
; CALLING SEQUENCE:
;   retCode = tbAddToPath(pathString, APPEND=0, TREE=1,
WIDGROUPLER=widGroupLeader)
;
; INPUTS:
;   pathString: Sting containg the directory to add to the current !path
;   IDL path variable. If not supplied, adds the current working directory.
;
; KEYWORDS:
;   APPEND: Setting this keyword appends new path info to end of !path.
;   By default, adds it to the beginning.
;   TREE: Set this keyword to include sub directories of the dir to !path.
;   Unfortunately, only sub dirs with .pro or .sav files in them will be
included.
;   See IDL docs on paths.
;   WIDGROUPLER: Set this keyword to the group leader widget id.
;
; OUTPUTS:
;   Returns a string with the newly created path, or NULL ("" ) if theres a
problem.
;
; SIDE EFFECTS:
;   Displays an error dialog in catch block.
```

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;
;
; RESTRICTIONS:
; The "Warning" Dialog_Message dialog is used.
;
;
; USES:
; Error_Message() from DFanning library
;
;
; EXAMPLE:
; retCode = tbAddToPath(pathString, /append, WIDGROUPLADER=widGrpLdr)
;
;
; MODIFICATION HISTORY:
; Written by: Todd Bowers, 02 Feb 2000.
; Modified:
;-

; //Error Handling code////////
catch, errorCode
if (errorCode NE 0) then begin
; //Cancel this error handling block
catch, /cancel
; //IDL's error message
systemAnswer = Error_Message(/Traceback)
; //Application's error message
message, "[ERROR] In function tbAddToPath(). Returning NULL
return, ""
endif
;////////////////////////

;////////////////////////
; //Check to see if var's/keywords passed. If not, give default values.
if n_elements(pathString) EQ 0 then begin
; //Use current working directory
cd, CURRENT=pathString
endif
;////////////////////////

;////////////////////////
; //What's proper path delimiter for this OS?
case (strlowcase(!VERSION.OS_FAMILY)) of
"unix" : pathDelim = ":"
"windows" : pathDelim = ";"
"win32" : pathDelim = "," ;IDL4.0
else : pathDelim = "," ;macOS and VMS
endcase

; //Do you want to add this dir's subdir's too?
if n_elements(tree) EQ 0 then $
addPath = expand_path(pathString, COUNT=dirCount) $

```

```

else $
; //Get sub dir's of this dir
addPath = expand_path('+' + pathString, COUNT=dirCount)

; //Tokenize the dirs to add
addPathSArr = str_sep(addPath, pathDelim)

; //Add, but make sure not adding duplicate paths
newPath = !path
currentPathSArr = str_sep(newPath, pathDelim)
for i=0, n_elements(addPathSArr)-1 do begin
  if (where(strlowcase(addPathSArr[i]) EQ strlowcase(currentPathSArr))
EQ -1)[0] then begin
    ; //Add to front or back?
    if n_elements(append) EQ 0 then $
      newPath = addPathSArr[i] + pathDelim + newPath $
    else $
      newPath = newPath + pathDelim + addPathSArr[i]
    endif
  endfor
; //////////////////////////////////////////////////

return, newPath
end; //module tbAddToPath
; //////////////////////////////////////////////////
"Markus Feldt" <mfeldt@mpia-hd.mpg.de> wrote in message
news:389980B4.1620E411@mpia-hd.mpg.de...
> Hi out there,
>
> did anybody bother to write some helpers for handling pathnames under
> different OSs in IDL (something like "path_to_os") or so? Something
> that replaces "/" bei "\" or ":" and appends ":" under MAC if needed? Or
> is there some implemented function in idl which allows accessing
> directory structures under differing OSs? Just asking, if not, I'll
> write it myself...
>
> Thanks
>
> Markus
>
>
>
>
> --
> /| ^ \| Markus Feldt          Voice:   +49 6221 528 262
> |_| ` |_| Max-Planck-Institut   Fax:    +49 6221 528 246

```

> |_____| D-69117 Heidelberg, Germany Si, !asi es la vida!
>
>
>
