

File created: 26-Aug-2024 22:11:48 {DSK}<home>matt>Interlisp>medley>sources>MEDLEYDIR.;4

edit by: mth

changes to: (VARS MEDLEYDIRCOMS MEDLEY-INIT-VARS)
(FNS SET-SYSOUT-COMMIT)

previous date: 8-Jul-2024 22:49:43 {DSK}<home>matt>Interlisp>medley>sources>MEDLEYDIR.;3

Read Table: INTERLISP

Package: INTERLISP

Format: xccs

(RPAQQ MEDLEYDIRCOMS

;: set up initialization for file paths relative to where Medley is installed. This assumes that the environment variable MEDLEYDIR is set (usually by the
;: ./run-medley script) to the (unix path) and all of the other directories variables are set relative to that (by MEDLEY-INIT-VARS)

(DEFINEQ

(MEDLEY-INIT-VARS

[LAMBDA (EVENT)

; Edited 22-Nov-2022 20:38 by FGH
; Edited 21-Nov-2022 17:31 by FGH
; Edited 21-Nov-2022 15:39 by frank
; Edited 21-Nov-2022 14:33 by FGH
; Edited 25-Oct-2022 12:18 by lmm
; Edited 18-Oct-2022 18:08 by lmm

:: Called on events including before & after loadup

```

(SELECTQ EVENT
  ((BEFOREMAKESYS T) ;; Clear old values
   (FOR X IN MEDLEY-INIT-VARS DO (IF (CDDR X)
                                       THEN (SETTOPVAL (CAR X)
                                                       NIL)))
    (SETQ \SAVE.MEDLEYDIR NIL))
  ((BEFORESYSOUT BEFORELOGOUT BEFORERESEVM) ;; save old values
   [SETQ \SAVE.MEDLEYDIR (CONS MEDLEYDIR (FOR X IN MEDLEY-INIT-VARS
                                              COLLECT (CONS (CAR X)
                                                             (GETTOPVAL (CAR X))))))
  ((AFTERSYSOUT AFTERLOGOUT AFTERSAVEVM RESTART INIT NIL) ; Any old values, restore them, substituting the new
   ;;; MEDLEYDIR

   (PROG (OLDMD NEWMD SAME TMP)
     (IF (EQ \SAVE.MEDLEYDIR T)
         THEN ; Already restored
          (RETURN))
     (IF \SAVE.MEDLEYDIR
         THEN (SETQ OLDMD (U-CASE (CAR \SAVE.MEDLEYDIR)))
              (SETQ MEDLEYDIR)
              (SETQ NEWMD (MEDLEYDIR))
              (SETQ SAME (STRING-EQUAL OLDMD NEWMD)))
       [for x in MEDLEY-INIT-VARS
        do (/SETTOPVAL (CAR X)
                      (IF [OR (EQ (CADDR X)
                                   'RESET)
                           (NOT (SETQ TMP (ASSOC (CAR X)
                                         (CDR \SAVE.MEDLEYDIR)]
                                     THEN ;; either RESET or no saved value
                                      (EVAL (CADR X)))
                                     ELSEIF SAME
                                       THEN (CDR TMP)
                                     ELSE (MEDLEYSUBSTDIR OLDMD NEWMD (CDR TMP]
                                     (SETQ \SAVE.MEDLEYDIR T) ; only use once
        ))]
      ((GREET))

```

```
(SETQ MEDLEYDIR)
(SETQ MEDLEYDIR (MEDLEYDIR))
[for X in MEDLEY-INIT-VARS do (/SETTOPVAL (CAR X)
                                         (EVAL (CADR X)
                                         (SETQ \SAVE.MEDLEYDIR T)))
(PRGON
    NIL)] ; no changes
```

(MEDLEYDIR

[LAMBDA (DIRNAME FILENAME OUTPUT NOERROR)

; Edited 29-Jun-2023 22:48 by rmk
; Edited 18-Oct-2022 17:49 by lmm
; Edited 5-Mar-2022 12:43 by larry
; Edited 2-Dec-2021 20:23 by kaplan

;; RMK: MEDLEYDIR defaults to DSK

```
(COND
  ((NULL DIRNAME)
   (if (OR (NOT (BOUNDP 'MEDLEYDIR))
            (NOT MEDLEYDIR))
        then [SETQ MEDLEYDIR (DIRECTORYNAME (if (SETQ MEDLEYDIR (UNIX-GETENV "MEDLEYDIR"))
                                                 then (DIRECTORYNAME (PACKFILENAME 'BODY MEDLEYDIR
                                                       'HOST
                                                       'DSK))
                                                 else (DIRECTORYNAME T))
              elseif (STRPOS "/" MEDLEYDIR)
              then (SETQ MEDLEYDIR (DIRECTORYNAME MEDLEYDIR))
              else MEDLEYDIR)
              [(EQUAL DIRNAME "login") ; special case for login dir
               (DIRECTORYNAME (OR (UNIX-GETENV "LOGINDIR")
                                 (UNIX-GETENV "HOME")))
               ((LISTP DIRNAME)
                (for X Y in DIRNAME when (SETQ Y (MEDLEYDIR X FILENAME OUTPUT NOERROR)) collect Y))
                [FILENAME (if (NULL (SETQ DIRNAME (MEDLEYDIR DIRNAME NIL OUTPUT NOERROR)))
                           then (OR NOERROR (SHOULDNT))
                           NIL
                           else (SETQ FILENAME (CONCAT DIRNAME FILENAME))
                           (if OUTPUT
                            then FILENAME
                            else (OR (INFILEP FILENAME)
                                      (if NOERROR
                                       then NIL
                                       else (ERROR "No such medley file" FILENAME)
                                      (T (OR (DIRECTORYNAME (CONCAT (MEDLEYDIR
                                                       DIRNAME ">"))
                                                       NIL OUTPUT)
                                           (if NOERROR
                                            then NIL
                                            else (ERROR "No such medley directory" DIRNAME))
```

(MEDLEYSUBSTDIR

[LAMBDA (OLD NEW BODY)

; Edited 18-Oct-2022 18:06 by lmm: assumes OLD is upper case

```
(IF (NULL BODY)
  THEN NIL
  ELSEIF (LISTP BODY)
  THEN [LET [(A (MEDLEYSUBSTDIR OLD NEW (CAR BODY)))
             (D (MEDLEYSUBSTDIR OLD NEW (CDR BODY))]
             (IF (AND (EQ A (CAR BODY))
                       (EQ D (CDR BODY)))
                  THEN BODY
                  ELSE (CONS A D)))
  ELSEIF (STRINGP BODY)
  THEN (IF (EQ 1 (STRPOS OLD (U-CASE BODY)
                                1))
          THEN [CONCAT NEW (SUBSTRING BODY (ADD1 (NCHARS OLD]
          ELSE BODY)
  ELSEIF [AND (LITATOM BODY)
            (EQ 1 (STRPOS OLD (U-CASE (MKSTRING BODY)]
  THEN [PACK* NEW (SUBSTRING BODY (ADD1 (NCHARS OLD]
  ELSE BODY)])
```

(SET-SYSOUT-COMMIT

[LAMBDA (REPO COMMIT-ID-ENV-VAR)
 (PUTASSOC REPO (LIST (UNIX-GETENV COMMIT-ID-ENV-VAR)
 SYSOUTCOMMITS))]

; Edited 8-Jul-2024 23:31 by mth

)

(RPAQ? **MEDLEYDIR**)

(RPAQ? \SAVE.MEDLEYDIR)

(RPAQ? **SYSOUTCOMMITS** (OR (AND (BOUNDP 'SYSOUTCOMMITS)
 SYSOUTCOMMITS)
 (LIST (LIST 'MEDLEY NIL))))

(ADDTOVAR **AROUNDEXITFNS** MEDLEY-INIT-VARS)

;; **WARNING** The EVALed expressions get run early in the lodus.

(RPAQQ **MEDLEY-INIT-VARS**

```

((ShellBrowser)
 (ShellOpener)
 [LISPUSERSDIRECTORIES (MEDLEYDIR '("library" "lispusers" "internal" "greetfiles" "doctools")]
 [LISPSOURCEDIRECTORIES (MEDLEYDIR '("sources")]
 (LISPSOURCEDIRECTORY (CAR LISPSOURCEDIRECTORIES))
 (IRM.HOST&DIR (MEDLEYDIR '("docs/dinfo"))
 (IRM.DINFOGRAPH)
 (DIRECTORIES (APPEND LISPUSERSDIRECTORIES LISPSOURCEDIRECTORIES))
 [LOGINHOST/DIR (DIRECTORYNAME (OR (UNIX-GETENV "LOGINDIR")
 (UNIX-GETENV "HOME")]
 [USERGREETFILES (LIST (CONS LOGINHOST/DIR '("INIT" COM))
 (CONS LOGINHOST/DIR '("INIT")]
 (DISPLAYFONTDIRECTORIES (MEDLEYDIR '("fonts/displayfonts" "fonts/altfonts" "fonts/adobe" "fonts/big"
 "fonts/other")
 NIL NIL T))
 (POSTSCRIPTFONTDIRECTORIES (MEDLEYDIR '("fonts/postscriptfonts")
 NIL NIL T))
 (INTERPRESSFONTDIRECTORIES (MEDLEYDIR '("fonts/ipfonts")
 NIL NIL T))
 (UNICODEDIRECTORIES (MEDLEYDIR '("unicode/xerox")
 NIL NIL T))
 (LOGINHOST/DIR (DIRECTORYNAME (OR (UNIX-GETENV "LOGINDIR")
 (UNIX-GETENV "HOME"))))
 RESET)
 (USERGREETFILES [LIST (CONS LOGINHOST/DIR '("INIT" COM)
 (CONS LOGINHOST/DIR '("INIT")]
 RESET)
 (XCL:::*WHERE-IS-CASH-FILES* (MEDLEYDIR '("loadups")
 "whereis.hash" NIL T))
 (LOADUPSDIRECTORIES (MEDLEYDIR '("loadups")
 NIL NIL T)))))

(DECLARE%: EVAL@COMPILE DOCOPY
```

(ADDTOVAR **GLOBALVARS** MEDLEYDIR MEDLEY-INIT-VARS \SAVE.MEDLEYDIR DIRECTORIES SYSOUTCOMITS)
)

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