

File created: 31-May-90 12:23:59 {DSK}<users>mitani>medley>system>DSK.;1

changes to: (FNS \DSKEventFn)

previous date: 16-May-90 16:13:07 {DSK}<usr>local>lde>lispcore>sources>DSK.;2

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

::
:: Copyright (c) 1988, 1989, 1990 by Venue & Xerox Corporation. All rights reserved.

```
(RPAQQ DSKCOMS
  ((PROP (FILETYPE MAKEFILE-ENVIRONMENT)
    DSK)
    ;; Create FDEV function.
    (FNS \DSKCreateDevice \DSKOpenDevice \DSKCloseDevice)
    ;; UNIX File System's FDEV methods. Only one here--the rest are shared with UFS
    (FNS \DSKEventFn)
    ;; Variables for UFS.
    (INITVARS (\DSKDefaultConnDir "~/")
      (\DSKdevice)
      (\DSKtopMonitor (CREATE.MONITORLOCK "DSKtopMonitor")))
    (DECLARE%: EVAL@COMPILE DONTCOPY (GLOBALVARS \DSKdevice \DSKtopMonitor \DSKDefaultConnDir)
      (FILES (LOADCOMP)
        UFS))))

(PUTPROPS DSK FILETYPE :BCOMPL)

(PUTPROPS DSK MAKEFILE-ENVIRONMENT (:PACKAGE "INTERLISP" :READTABLE "INTERLISP" :BASE 10))

;; Create FDEV function.

(DEFINEQ

(\DSKCreateDevice
  [LAMBDA NIL
    ; Edited 27-Feb-89 18:29 by bvm
    ;; Creates and remembers the local hard disk file device, but does not open the device or any of its associated directories.
    (if (AND (BOUNDP ' \DSKdevice)
      (type? FDEV \DSKdevice))
      then \DSKdevice
      else (SETQ \DSKdevice (\UFS.CREATE.DEVICE 'DSK (FUNCTION \DSKEventFn))

(\DSKOpenDevice
  [LAMBDA NIL
    ; Edited 12-Apr-88 18:05 by HH
    (WITH.MONITOR \DSKtopMonitor
      (LET ((DEV (\DSKCreateDevice)))
        (\DEFINEDEVICE 'DSK DEV)
        DEV)))

(\DSKCloseDevice
  [LAMBDA NIL
    ; Edited 28-Mar-88 11:11 by HH
    (WITH.MONITOR \DSKtopMonitor
      (\REMOVEDEVICE \DSKdevice)
      NIL))]

)

;; UNIX File System's FDEV methods. Only one here--the rest are shared with UFS

(DEFINEQ

(\DSKEventFn
  [LAMBDA (Dev Event)
    (DECLARE (GLOBALVARS \UFS.GFS.TABLE))
    (WITH.MONITOR \DSKtopMonitor
      (SELECTQ Event
        ((AFTERLOGOUT AFTERSYSOUT AFTERSAVESYS AFTERSAVEVM)
          (\DSKCloseDevice)
          (SELECTQ (MACHINETYPE)
            (MAIKO (\DSKOpenDevice)
              ;; revalidate open streams
              (\UNVISIBLE.PAGED.REVALIDATEFILELST Dev)
              (\PAGED.REVALIDATEFILELST Dev)

```

```
                [MAPHASH \UFS.GFS.TABLE (FUNCTION (LAMBDA (VAL KEY)
                                                    (\UFS.UNREGISTER.GFS VAL]
                (CLRHASH \UFS.GFS.TABLE))
                NIL))
  ((BEFORELOGOUT)
   (\UNVISIBLE.FLUSH.OPEN.STREAMS Dev)           ; flush output buffers.
   (\FLUSH.OPEN.STREAMS Dev))
  NIL) ) ] )
)
```

:: Variables for UFS.

```
(RPAQ? \DSKDefaultConnDir "~/")
(RPAQ? \DSKdevice )
(RPAQ? \DSKtopMonitor (CREATE.MONITORLOCK "DSKTopMonitor"))
(DECLARE%: EVAL@COMPILE DONTCOPY
(DECLARE%: DOEVAL@COMPILE DONTCOPY
(GLOBALVARS \DSKdevice \DSKtopMonitor \DSKDefaultConnDir)
)
(FILESLoad (LOADCOMP)
  UFS)
)
(PUTPROPS DSK COPYRIGHT ("Venue & Xerox Corporation" 1988 1989 1990))
```

FUNCTION INDEX

\DSKCloseDevice1

\DSKCreateDevice1

\DSKEventFn1

\DSKOpenDevice1

VARIABLE INDEX

\DSKDefaultConnDir2

\DSKdevice2

\DSKtopMonitor2

PROPERTY INDEX

DSK1