```
8-Sep-87 11:48:32 {DSK}<LISPFILES>MATT>DPUPFTPPATCH.;6
 File created:
  changes to:
                (FNS \FTP.NEGOTIATED.CONNECTION.SOCKET)
previous date:
                24-Jul-87 12:29:41 {DSK}<LTSPFTLES>MATT>DPUPFTPPATCH.:5
 Read Table:
                INTERLISP
    Package:
                INTERLISP
       Format:
                 XCCS
;; Copyright (c) 1987 by Matt Heffron & XEROX Corporation. All rights reserved.
(RPAQQ DPUPFTPPATCHCOMS
        ((DECLARE%: DOCOPY FIRST (FILES DPUPFTP))
(FNS \FTP.NEGOTIATED.CONNECTION.SOCKET \FTP.OPEN.CONNECTION)
(INITVARS (*FTP.NEGOTIATED.CONNECTION.HOSTS* NIL))
         (GLOBALVARS *FTP.NEGOTIATED.CONNECTION.HOSTS*)
         (CONSTANTS (\PT.NEGOTIATED.CONNECTION 128)
                 (\PUPSOCKET.NEGOTIATED.CONNECTION 63))
         (DECLARE%: DONTCOPY (FILES (LOADCOMP)
                                        DPUPFTP))
         (PROP (FILETYPE MAKEFILE-ENVIRONMENT)
                DPUPFTPPATCH)))
(DECLARE%: DOCOPY FIRST
(FILESLOAD DPUPFTP)
(DEFINEQ
(\FTP.NEGOTIATED.CONNECTION.SOCKET
     AMBDA (PORT)
(DECLARE (GLOBALVARS *FTP.NEGOTIATED.CONNECTION.HOSTS*))
                                                                         ; Edited 8-Sep-87 11:46 by Matt Heffron
     (if (ZEROP (CDR PORT))
         then [CONS (CAR PORT)
                     (COND
                         ((EQ (CDR PORT)
                              0)
                          \PUPSOCKET.FTP)
                         (T (CDR PORT)
              (if (MEMB
                        (CAR PORT)
                         FTP.NEGOTIATED.CONNECTION.HOSTS*)
                   then
                       (LET ((PUP (ALLOCATE.PUP))
                               RESULT.FTP.SOCKET NEGOTIATIONSOCKET)
                              (CLEARPUP PUP)
                              (SETO NEGOTIATIONSOCKET (SETUPPUP PUP (CAR PORT)
                                                                  \PUPSOCKET.NEGOTIATED.CONNECTION
                                                                  \PT.NEGOTIATED.CONNECTION NIL NIL 'FREE))
                              (SENDPUP NEGOTIATIONSOCKET PUP)
                              (SETQ PUP (GETPUP NEGOTIATIONSOCKET 10000))
                              (if PUP
                                  then (SETQ RESULT.FTP.SOCKET (fetch PUPSOURCESOCKET of PUP))
                                        (RELEASE.PUP PUP)
                                else
                                     ;; Timed-out, just do it the old-fashoned way.
                                     (SETQ RESULT.FTP.SOCKET \PUPSOCKET.FTP))
                              (CONS
                                    (CAR PORT)
                                    RESULT.FTP.SOCKET))
                else ;; This is not talking to a known FTP negotiated connection host. So use the standard \PUPSOCKET.FTP.
                      (CONS (CAR PORT)
                            \PUPSOCKET.FTP))
           ;; If they specified an explicit SOCKET in the PORT (i.e. in the HOST argument to \FTP.OPEN.CONNECTION), just return that PORT.
           PORT])
(\FTP.OPEN.CONNECTION
  [LAMBDA (HOST ECHOSTREAM FAILURESTRING)
                                                                          ; Edited 21-Jul-87 18:45 by Matt Heffron
     (LET ((PORT (BESTPUPADDRESS HOST PROMPTWINDOW))
           INSTREAM)
          (if [AND PORT (SETQ INSTREAM (OPENBSPSTREAM (\FTP.NEGOTIATED.CONNECTION.SOCKET PORT)
                                                   (FUNCTION \FTP.ERRORHANDLER)
                                                  NIL NIL (FUNCTION \FTP.WHENCLOSED)
(OR FAILURESTRING "Can't open FTP connection"]
              then (if (TYPENAMEP INSTREAM 'STREAM)
                        then (SETQ INSTREAM (create FTPCONNECTION
                                                       FTPIN _ INSTREAM
FTPOUT _ (BSPOUT)
                                                                _ (BSPOUTPUTSTREAM INSTREAM)
                                                       FTPHOST _ [\CANONICAL.HOSTNAME (COND
                                                                                              ((LITATOM HOST)
```

(PUTPROPS DPUPFTPPATCH COPYRIGHT ("Matt Heffron & XEROX Corporation" 1987))

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HOST)
                                                                                   (T (ETHERHOSTNAME PORT]
                                                FTPBUSY _ T))
                          (if (\FTP.SENDVERSION INSTREAM ECHOSTREAM)
                              then (push \FTPCONNECTIONS INSTREAM)
                                  INSTREAM
                            else (CLOSEBSPSTREAM (fetch FTPIN of INSTREAM)))
                   else INSTREAM])
)
(RPAQ? *FTP.NEGOTIATED.CONNECTION.HOSTS* NIL)
(DECLARE%: DOEVAL@COMPILE DONTCOPY
(GLOBALVARS *FTP.NEGOTIATED.CONNECTION.HOSTS*)
(DECLARE%: EVAL@COMPILE
(RPAQQ \PT.NEGOTIATED.CONNECTION 128)
(RPAQQ \PUPSOCKET.NEGOTIATED.CONNECTION 63)
(CONSTANTS (\PT.NEGOTIATED.CONNECTION 128)
       (\PUPSOCKET.NEGOTIATED.CONNECTION 63))
(DECLARE%: DONTCOPY
(FILESLOAD (LOADCOMP)
      DPUPFTP)
(PUTPROPS DPUPFTPPATCH FILETYPE : TCOMPL)
(PUTPROPS DPUPFTPPATCH MAKEFILE-ENVIRONMENT (:READTABLE "INTERLISP" :PACKAGE "INTERLISP"))
```

{MEDLEY}lispusers>DPUPFTPPATCH.;1 28-Jun-2024 18:34:03 -- Listed on 30-Jun-2024 13:14:03 --

FUNCTION INDEX	
\FTP.NEGOTIATED.CONNECTION.SOCKET1	\FTP.OPEN.CONNECTION1
CONSTANT INDEX	
\PT.NEGOTIATED.CONNECTION2	\PUPSOCKET.NEGOTIATED.CONNECTION
PROPERT	Y INDEX
DPUPFTPPATCH2	
VARIABL	E INDEX
*FTP.NEGOTIATED.CONNECTION.HOSTS*2	