```
7-Sep-88 17:17:04 {ERINYES}<LISPUSERS>MEDLEY>CHATSERVER-NS.;2
 File created:
  changes to:
               (FNS MAKE.NS.CHAT.CONNECTION)
previous date:
               16-Mar-88 22:34:39 {ERINYES}<LISPUSERS>MEDLEY>CHATSERVER-NS.:1
 Read Table:
               INTERLISP
   Package:
               INTERLISP
      Format:
                XCCS
;; Copyright (c) 1987, 1988 by Xerox Corporation. All rights reserved.
(RPAQQ CHATSERVER-NSCOMS
       [(FNS MAKE.NS.CHAT.CONNECTION NS.CHAT.SERVE NSCHAT.SERVER.ATTENTION NSCHAT.SERVER.OUTPUTABORTED
              NSCHAT.SERVER.WHENCLOSED SPP.EOMP \NSCHAT.BIN \REMOTE.EOFP \REMOTE.PEEKBIN \REMOTE.READP
              GAP-SERVER-INIT)
         (FILES COURIERSERVE CHATSERVER)
         (DECLARE%: DONTEVAL@LOAD DOCOPY (P (GAP-SERVER-INIT)
                                               (COURIER.START.SERVER)))
         (DECLARE%: EVAL@COMPILE DONTCOPY (FILES (SOURCE)
                                                    MODARITH)
                (FILES (LOADCOMP)
                       LLNS SPP))
         (FUNCTIONS CHECK)
         (DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVARS (ADDVARS (NLAMA)
                                                                                    (NLAML)
                                                                                    (LAMA MAKE.NS.CHAT.CONNECTION])
(DEFINEO
(MAKE.NS.CHAT.CONNECTION
  (CL:LAMBDA (CSTREAM CPROG CPROC PARAMETERS TRANSPORT WAITTIME CREDENTIALS VERIFIER)
                                                                      ; Edited 2-Sep-88 23:43 by masinter
          (LET ((OUTPUTSTREAM (SPPOUTPUTSTREAM CSTREAM)))
               (with SPPCON (fetch SPP.CONNECTION of CSTREAM)
                     (SETQ SPPEOMONFORCEOUT T)
                     (SETQ SPPATTENTIONFN (FUNCTION NSCHAT.SERVER.ATTENTION))
                     (SETQ SPPOUTPUTABORTEDFN (FUNCTION NSCHAT.SERVER.OUTPUTABORTED))
                     (SETQ SPPWHENCLOSEDFN (FUNCTION CHATSERVERWHENCLOSEDFN)))
               (with STREAM CSTREAM (SETQ DEVICE (create FDEV
                                                           DEVICENAME _ 'NSCHATDEVICE
                                                           PEEKBIN _
                                                                      #'\REMOTE.PEEKBIN
                                                           READP _ #'\REMOTE.READP
                                                           EOFP #'\REMOTE.EOFP
                                                           GETEOFPTR _ (FUNCTION NILL)
                                                           BIN _ '\NSCHAT.BIN using DEVICE))
                     (SETQ STRMBINFN '\NSCHAT.BIN))
               ;; return the value, and then
               [COURIER.RETURN CSTREAM CPROG CPROC '((0 0]
               (SPP.FORCEOUTPUT OUTPUTSTREAM)
               (SPP.SENDATTENTION CSTREAM 209)
               (PROCESS.NAME (THIS.PROCESS)
                      'CHAT.SERVER)
               (SPP.DSTYPE OUTPUTSTREAM 192)
               (CHATSERVEROPENFN CSTREAM OUTPUTSTREAM))))
(NS.CHAT.SERVE
  [LAMBDA (INPUTSTREAM OUTPUTSTREAM OPENFN WHENCLOSEDFN)
                                                                      (* lmm " 7-Jan-86 13:21")
          (PARAMETERS TRANSPORT WAITTIME CREDENTIALS VERIFIER)
    (PROG
           (repeatuntil (SPP.READP INPUTSTREAM) do (BLOCK))
           (for I to 4 do
                                                                      (* Echo Courier version number)
                          (BOUT OUTPUTSTREAM (BIN INPUTSTREAM)))
           (SPP.SENDEOM OUTPUTSTREAM)
           (SPP.CLEAREOM INPUTSTREAM)
           (repeatuntil (SPP.READP INPUTSTREAM) do (BLOCK))
           (for I to 12 do
                                                                      (* Courier protocol bytes |...|)
                           (BIN INPUTSTREAM))
           (SETQ PARAMETERS (COURIER.READ INPUTSTREAM 'GAP 'SessionParameterObject))
           (SETQ TRANSPORT (COURIER.READ INPUTSTREAM 'GAP 'Sequence.TransportObject))
(SETQ WAITTIME (COURIER.READ INPUTSTREAM 'GAP 'WaitTime))
           (SETO CREDENTIALS (COURIER.READ INPUTSTREAM 'GAP 'credentials))
           (SETQ VERIFIER (COURIER.READ INPUTSTREAM 'GAP 'verifier))
                                                                      (* Courier RETURN command)
           (BOUT OUTPUTSTREAM 0)
(BOUT OUTPUTSTREAM 2)
(BOUT OUTPUTSTREAM 0)
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(BOUT OUTPUTSTREAM 0)
           (COURIER.WRITE OUTPUTSTREAM '(0 0)
                   'GAP
                   'SessionHandle)
           (SPP.SENDEOM OUTPUTSTREAM)
           (SPP.FLUSH.TO.EOF INPUTSTREAM)
           (with STREAM OUTPUTSTREAM (SETQ EOLCONVENTION 2))
           (with STREAM INPUTSTREAM (SETQ IMAGEDATA OUTPUTSTREAM)
                 (SETQ DEVICE (create FDEV
                                        DEVICENAME
                                                      'NSCHAT
                                              (FUNCTION \REMOTE.BIN)
                                        BIN
                                       PEEKBIN _ (FUNCTION \REMOTE.PEEKBIN)

READP _ (FUNCTION \REMOTE.READP)

EOFP _ (FUNCTION \REMOTE.EOFP)

GETEOFPTR _ (FUNCTION NILL) using DEVICE))
                 (SETQ STRMBINFN (FUNCTION \REMOTE.BIN)))
           (SPP.CLEAREOM INPUTSTREAM T)
           (SPP.CLEARATTENTION INPUTSTREAM T)
           (CHATSERVEROPENFN INPUTSTREAM OUTPUTSTREAM)
           (SPP.CLOSE INPUTSTREAM T])
(NSCHAT.SERVER.ATTENTION
                                                                         ; Edited 6-Oct-87 13:25 by Masinter
  [LAMBDA (X)
    (SPP.CLEARATTENTION X T)
    (LET (BYTE)
          (SELECTQ (SETQ BYTE (BIN X))
                                                                          ; attention 209, whatever that is
               (209
                    NTT.)
               (PRINTOUT PROMPTWINDOW T "attention byte " BYTE " recieved."])
(NSCHAT.SERVER.OUTPUTABORTED
  [LAMBDA (STREAM X Y Z)
                                                                          (* lmm "10-Jan-86 00:32")
    NIL])
(NSCHAT.SERVER.WHENCLOSED
  [LAMBDA (STREAM X Y Z)
                                                                          (* lmm " 9-Jan-86 18:06")
    (CLOSEF? (SPPOUTPUTSTREAM STREAM])
(SPP.EOMP
                                                                          ; Edited 6-Oct-87 13:04 by Masinter
  [LAMBDA (STREAM)
    (EQ (fetch SPPEOFBITS of STREAM)
         \SPPFLAG.EOM])
(\NSCHAT.BIN
                                                                         ; Edited 30-Oct-87 10:35 by Masinter
  [LAMBDA (STREAM)
    (until (\REMOTE.READP STREAM) do (BLOCK))
    (\BUFFERED.BIN STREAM])
(\REMOTE.EOFP
  [LAMBDA (STREAM)
                                                                          ; Edited 6-Oct-87 11:37 by Masinter
    ;; terminal EOF: never
    NIL])
(\REMOTE.PEEKBIN
                                                                          ; Edited 6-Oct-87 11:35 by Masinter
  [LAMBDA (STREAM NOERRORFLG)
    ;; SPP peek: ignore EOM
    (until (SPP.READP STREAM) do (if (SPP.EOMP STREAM)
                                        then (SPP.CLEAREOM STREAM T))
                                    (BLOCK))
    (PROG ((BYTE (\BUFFERED.PEEKBIN STREAM NOERRORFLG)))
(if (SPP.EOMP STREAM)
               then (SPP.CLEAREOM STREAM T))
           (RETURN BYTE])
(\REMOTE.READP
                                                                          ; Edited 6-Oct-87 14:06 by Masinter
  [LAMBDA (STREAM)
    ;; termal READP: ignore EOM
    (PROG NIL
      RETRY
           (COND
              ((SPP.READP STREAM)
              (RETURN T))
((SPP.EOMP STREAM)
                (SPP.CLEAREOM STREAM)
                (GO RETRY))
               (T (RETURN NIL])
```

(GAP-SERVER-INIT [LAMBDA NIL (LET* [(DEF (GETDEF 'GAP 'COURIERPROGRAMS)) (LST (CDDDR (ASSOC 'Create (CL:GETF (CDR DEF) (CL:SETF (CL:GETF LST 'IMPLEMENTEDBY) 'MAKE.NS.CHAT.CONNECTION) (PUTDEF 'GAP 'COURIERPROGRAMS DEF))) (COURIER.START.SERVER])) (FILESLOAD COURIERSERVE CHATSERVER) (DECLARE%: DONTEVAL@LOAD DOCOPY (GAP-SERVER-INIT) (COURIER.START.SERVER) (DECLARE%: EVAL@COMPILE DONTCOPY (FILESLOAD (SOURCE) MODARITH) (FILESLOAD (LOADCOMP) LLNS SPP) (DEFMACRO CHECK (X) '(CL:ASSERT ,X)) (DECLARE%: DONTEVAL@LOAD DOEVAL@COMPILE DONTCOPY COMPILERVARS (ADDTOVAR NLAMA) (ADDTOVAR **NLAML**) (ADDTOVAR LAMA MAKE.NS.CHAT.CONNECTION)

(PUTPROPS CHATSERVER-NS COPYRIGHT ("Xerox Corporation" 1987 1988))

{MEDLEY}spusers>CHATSERVER-NS.;1 28-Jun-2024 18:34:03 -- Listed on 30-Jun-2024 13:13:45 --

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CHECK3		