

File created: 10-Mar-88 14:59:38 {ERINYES}<LISPUSERS>LYRIC>COURIERSERVEPATCH.;2

changes to: (FNS \SPP. ESTABLISH)

previous date: 9-Mar-88 16:56:49 {ERINYES}<LISPUSERS>LYRIC>COURIERSERVEPATCH.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

::
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```
(RPAQQ COURIERSERVEPATCHCOMS ((FNS \SPP. ESTABLISH \SPP. CREATE. CON)
                                (DECLARE%: EVAL@COMPILE DONTCOPY (FILES (SOURCE)
                                SPPDECLS))))
```

(DEFINEQ

(\SPP. ESTABLISH

[LAMBDA (INITCON XIP)

; Edited 10-Mar-88 14:58 by bvm

:: The arrival of XIP causes this SPP connection to be established. Fix up state as appropriate

(PROG (CON INSTREAM NAME)

[COND

(NOT (**fetch** SPPSERVERFLAG of INITCON))
(SETQ CON INITCON)

; For user connection, need to update socket info, as server may
; have switched from a well-known socket to a private one.

(\BLT (LOCF (**fetch** SPPDESTNSADDRESS0 of CON))
(LOCF (**fetch** XIPSOURCECNET of XIP))
\#WDS. NSADDRESS))

(T
;; The connection was opened in server mode. Create a new spp connection, and establish it to the remote side, spawning a new
;; process

[COND

((\SPP. DUPLICATE. REQUEST XIP)
(RETURN))

; We've already spawned a server for this source

(SETQ CON (\SPP. CREATE. CON))
(\BLT (LOCF (**fetch** SPPDESTNSADDRESS0 of CON))
(LOCF (**fetch** XIPSOURCECNET of XIP))
\#WDS. NSADDRESS))

; Fill in address of port that contacted us

[SETQ NAME (CONCAT (PROCESSPROP (**fetch** SPPPROCESS of INITCON)
'NAME)

' +

(OCTALSTRING (**fetch** SPPSOURCECNET# of CON)

(**replace** SPPATTENTIONFN of CON with (**fetch** SPPATTENTIONFN of INITCON))

; Copy some methods from the listener con

(**replace** SPPWHENCLOSEDFN of CON with (**fetch** SPPWHENCLOSEDFN of INITCON))

(**replace** SPPERRORHANDLER of CON with (**fetch** SPPERRORHANDLER of INITCON))

(**replace** SPPDESTID of CON with (**fetch** (SPPXIP SOURCECONID) of XIP))

(**replace** SPPSYSPKT of CON with NIL)

; Flush any cached sys packet, now out of date

(**replace** SPPESTABLISHEDP of CON with T)

(**replace** SPPSTATE of CON with \SPS. OPEN)

(**replace** SPPDESTINATIONKNOWN of CON with T)

(if NAME

then

; Finally, get server going

(SETQ INSTREAM (\SPP. CREATE. STREAMS CON))

(\SPP. CREATE. WATCHER CON NAME)

(WITH. MONITOR (**fetch** SPPLOCK of CON)

; Have to reply to the sender so he knows our id & socket

(\SPP. PROBE CON))

(ADD. PROCESS (LIST (**fetch** SPPSERVERFN of INITCON)

INSTREAM

(SPPOUTPUTSTREAM INSTREAM))

'AFTEREXIT

'DELETE))

(NOTIFY. EVENT (**fetch** SPPINPUTEVENT of CON]))

(\SPP. CREATE. CON

[LAMBDA (SKT#)

; Edited 9-Mar-88 16:00 by bvm

:: Creates an SPPCON object, initialized to be a connection from this machine, etc. If SKT# is specified, we open that exact socket, else a random
;; user socket.

(LET* ((NSOC (OPENNSOCKET SKT#))

(CON (**create** SPPCON

SPPXIPLLENGTH _ (+ \XIPVLEN \SPPHEAD. LENGTH)

SPPXIPTYPE _ \XIPT. SPP

SPPSOURCEID _ (LOGOR 32768 (LOGAND (DAYTIME)
32767)))

SPPMYNSOCKET _ NSOC

SPPSOURCECNET# _ (NSOCKETNUMBER NSOC)

SPPACCEPTNO _ \SPP. INITIAL. ALLOCATION)))

(\BLT (LOCF (**fetch** SPPSOURCECNETADDRESS0 of CON))

{MEDLEY}<lispusers>COURIERSERVEPATCH.;1 (\SPP.CREATE.CON *cont.*)

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```
    \MY.NSADDRESS  
    (SUB1 \#WDS.NSADDRESS))  
CON])
```

)

(DECLARE%: EVAL@COMPILE DONTCOPY

```
(FILESLOAD (SOURCE)  
  SPPDECLS)
```

)

(PUTPROPS **COURIERSERVEPATCH COPYRIGHT** ("Xerox Corporation" 1988))

FUNCTION INDEX

\SPP.CREATE.CON1 \SPP.ESTABLISH1
