

File created: 30-Sep-2021 19:23:57 {DSK}<Users>briggs>Projects>medley>library>UNIXTELNET.;2

changes to: (FNS UNIX-TCPCHAT.OPEN)

previous date: 16-Feb-90 17:00:31 {DSK}<Users>briggs>Projects>medley>library>UNIXTELNET.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

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### (RPAQQ UNIXTELNETCOMS

```
[ (FNS UNIX-TCPCHAT.HOST.FILTER UNIX-TCPCHAT.OPEN UNIX-TCPCHAT.GET.LOGIN UNIX-TCPCHAT.INIT)
  (INITVARS (CHAT.LOGINS)
            (CHAT.LOGINS.MENU))
  (GLOBALVARS CHAT.LOGINS CHAT.LOGINS.MENU)
  (DECLARE%: DONTEVAL@LOAD DOCOPY (FILES (SYSLOAD)
                                         UNIXCHAT)
            (ADDVARS (AROUNDEXITFNS UNIX-TCPCHAT.INIT))
            (P (UNIX-TCPCHAT.INIT))
```

(DEFINEQ

### (UNIX-TCPCHAT.HOST.FILTER

```
[LAMBDA (HOST) ; Edited 14-Feb-90 15:17 by bvm
  (if (NOT (STRPOSL (CHARCODE (" " SPACE))
                  HOST))
```

**then** ;; At least reject XNS names or things that will give RLOGIN a syntactic problem. Really should test whether HOST is a valid ip host  
;; name, but I don't know how to do that from here.

```
[LET [(UPHOST (MKATOM (U-CASE HOST)
                     (if (NOT (ASSOC UPHOST NETWORKKOSTYPES))
                         then (push NETWORKKOSTYPES ` (,UPHOST . UNIX]
                     (LIST HOST (FUNCTION UNIX-TCPCHAT.OPEN))
```

### (UNIX-TCPCHAT.OPEN

```
[LAMBDA (HOST TERMTYPE LOGOPTION) ; Edited 30-Sep-2021 19:23 by briggs  
; Edited 14-Feb-90 18:36 by bvm
```

;; For use on Maiko: chat to HOST by using ssh in a shell window.

```
(LET (NAME STR)
  (if [AND (OR (NEQ LOGOPTION 'NONE)
              (SETQ NAME (UNIX-TCPCHAT.GET.LOGIN HOST)))
      (SETQ STR (CREATE-SHELL-STREAM TERMTYPE (CL:FORMAT NIL "exec ssh ~@[-l ~A ~]~A" NAME HOST)
      then (STREAMPROP STR 'SENDSCREENPARAMS (FUNCTION UNIX.SENDSCREENPARAMS))
           (STREAMPROP STR 'SETDISPLAYTYPE (FUNCTION UNIX.SETDISPLAYTYPE))
           (LIST STR STR 'LOGOPTION 'NONE))
```

### (UNIX-TCPCHAT.GET.LOGIN

```
[LAMBDA (HOST) ; Edited 15-Feb-90 11:28 by bvm
  (LET (NAME)
```

```
    (if (OR (NULL CHAT.LOGINS)
            (EQ [SETQ NAME (MENU (OR CHAT.LOGINS.MENU (SETQ CHAT.LOGINS.MENU
                                                         (create MENU
                                                             ITEMS _ [APPEND CHAT.LOGINS
                                                                    ' (**other** T "Prompts for a
                                                                    name to login as"]
                                                             CENTERFLG _ T
                                                             TITLE _ "Log in as:"]
                                                         T))
            then ; Prompt for a name
              (if (SETQ NAME (CHAT.PROMPT.FOR.INPUT (CL:FORMAT NIL "Log in to ~A as user: " HOST)
                                                    NIL 16))
                  then (SETQ CHAT.LOGINS (SORT (CONS NAME CHAT.LOGINS)
                                                (FUNCTION UALPHORDER)))
                      (SETQ CHAT.LOGINS.MENU NIL)))
              NAME))
```

### (UNIX-TCPCHAT.INIT

```
[LAMBDA (EVENT) ; Edited 26-Oct-89 15:24 by bvm
```

;; If we wake up on Sun, install a new version of the tcp chat host filter.

```
(SELECTQ EVENT
  ((AFTERLOGOUT AFTERSYSOUT AFTERMakesYS AFTERSAVEVM NIL)
   (if (EQ (MACHINETYPE)
           'MAIKO)
       then [if (NOT (CL:ASSOC 'N CHAT.PROTOCOL.ABBREVS :TEST 'STRING-EQUAL))
               then ; TCPCHAT wasn't loaded--make sure that /n works
               (push CHAT.PROTOCOL.ABBREVS ' (N . TCP]
```

```
(PUTASSOC 'TCP (FUNCTION UNIX-TCPCHAT.HOST.FILTER)
           CHAT.PROTOCOLTYPES) ; Won't need to do this again, as you can't run a Sun sysout on a
                               ; D machine.
(SETQ AROUNDEXITFNS (DREMOVE (FUNCTION UNIX-TCPCHAT.INIT)
                             AROUNDEXITFNS)))
NIL])
)
(RPAQ? CHAT.LOGINS )
(RPAQ? CHAT.LOGINS.MENU )
(DECLARE%: DOEVAL@COMPILE DONTCOPY
(GLOBALVARS CHAT.LOGINS CHAT.LOGINS.MENU)
)
(DECLARE%: DONTEVAL@LOAD DOCOPY
(FILESLoad (SYSLOAD)
           UNIXCHAT)
(ADDTovar AROUNDEXITFNS UNIX-TCPCHAT.INIT)
(UNIX-TCPCHAT.INIT)
)
(PUTPROPS UNIXTELNET COPYRIGHT ("Xerox Corporation" 1989 1990))
```

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