

File created: 23-Feb-2024 23:58:34 {WMEDLEY}<library>lafite>LAFITE-HAX.;1

edit by: rmk

previous date: 26-Feb-93 14:36:38 {WMEDLEY}<library>lafite>LAFITEHAX.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

(RPAQQ LAFITE-HAXCOMS

```
[[COMS
; New header parser
(FNS LAFITE.NEW.PARSE.HEADER LAFITE.HANDLE.ORIGINAL.FIELD INIT.NEW.PARSE.HANDLER
LAFITE.COMPUTE.CACHED.VARS)
(INITVARS (*LAFITE-MAX-FIELD-WIDTH* 100)
(*LAFITE-PARSE-HEADER-STRING-RESOURCE*))
(GLOBALVARS *LAFITE-MAX-FIELD-WIDTH* *LAFITE-PARSE-HEADER-STRING-RESOURCE*)
(DECLARE%: DONTEVAL@LOAD DOCOPY (P (INIT.NEW.PARSE.HANDLER]
(COMS
; automatically handle internet addresses
(FNS \NSMAIL.PARSE1))
(COMS (FNS LAFITE.TOGGLE.SERVER.TRACE)
(APPENDVARS (LAFITESUBQUITMENUITEMS ("Server trace" 'LAFITE.TOGGLE.SERVER.TRACE "Change setting of
*NSMAIL-TRACE-SERVERS*"))))
(VARS (LAFITESUBQUITMENU])
```

:: New header parser

(DEFINEQ

(LAFITE.NEW.PARSE.HEADER

```
[LAMBDA (STREAM PARSETABLE START END ONCEONLY CHECKEOF)
; Edited 3-Jun-92 17:30 by bvm
(PROG ([FIELD (OR *LAFITE-PARSE-HEADER-STRING-RESOURCE* (SETQ *LAFITE-PARSE-HEADER-STRING-RESOURCE*
(ALLOCSTRING *LAFITE-MAX-FIELD-WIDTH*)
PARSERESULT PARSEBEGIN CH I PATLEN)
(DECLARE (SPECVARS PARSETABLE PARSERESULT PARSEBEGIN))
; For Parse result functions to access
(if START
then (SETFILEPTR STREAM START))
TOP (SETQ PARSEBEGIN (GETFILEPTR STREAM))
(SETQ I 0)
(do (SELCHARQ (SETQ CH (READCCODE STREAM))
((CR TAB SPACE NIL)
; Whitespace before a colon is illegal (or if it's a cr at start of line,
; it's the official end of header)
(if CHECKEOF
then (push PARSERESULT (LIST 'EOF PARSEBEGIN T)))
[IF (EQ CH (CHARCODE CR))
THEN (FOR CHOICE IN PARSETABLE WHEN (EQ (CAR CHOICE)
'%)
DO
; Kludge for something to call at end of header
(RETURN (CL:FUNCALL (CADR CHOICE)
STREAM
(CAR CHOICE)
1
(CDDR CHOICE])
(GO EXIT))
NIL)
(if (< I *LAFITE-MAX-FIELD-WIDTH*)
then (CL:SETF (CL:CHAR FIELD I)
(CL:CODE-CHAR CH))
(add I 1))
(if (EQ CH (CHARCODE ":"))
then [for CHOICE in PARSETABLE WHEN (AND (<= (SETQ PATLEN (NCHARS (CAR CHOICE)))
I)
(STRING-EQUAL FIELD (CAR CHOICE)
:END1 PATLEN))
do (LAFITE.SKIP.WHITE.SPACE STREAM)
(COND
((OR (EQ (CL:FUNCALL (CADR CHOICE)
STREAM FIELD I (CDDR CHOICE))
'STOP)
ONCEONLY)
(GO EXIT))
(T (GO NEXTLINE]
; Get here if parse of current line failed
(LA.SKIP.TO.EOL STREAM CH)
(GO NEXTLINE)))
NEXTLINE
(COND
([COND
(END (< (GETFILEPTR STREAM)
END))
(T (NOT (\EOF?P STREAM)
(GO TOP)))
```

```

EXIT
  (replace CHARSET of STREAM with 0) ; Don't let any temporary change in charset affect future
                                      ; operations. This is not a call to CHARSET because of stupid
                                      ; bug that causes it to write a charset change!!!

(RETURN PARSERESULT])

```

(LAFITE.HANDLE.ORIGINAL.FIELD

```

[LAMBDA (STREAM FIELD FIELDLEN IGNORE)
  (DECLARE (USEDFREE PARSERESULT PARSEBEGIN PARSETABLE)) ; Edited 3-Jun-92 17:51 by bvm
  ;; Called when we parsed a header starting "Original-xxx:..." We want to hide the "Original-" part, and also hide the matching "xxx:" field that (we
  ;; assume) occurs later
  (LA.SKIP.TO.EOL STREAM)
  [push PARSERESULT (LIST PARSEBEGIN (+ PARSEBEGIN (CONSTANT (NCHARS "Original-"))
  (push PARSETABLE (LIST (CL:SUBSEQ FIELD (CONSTANT (NCHARS "Original-"))
                        FIELDLEN)
                        (FUNCTION LAFITE.EAT.UNDESIRABLE.FIELD)))
  ; Note that we have to COPY the characters of field, since that
  ; string is volatile
NIL])

```

(INIT.NEW.PARSE.HANDLER

```

[LAMBDA NIL ; Edited 3-Jun-92 17:42 by bvm
  (FOR FN IN '(\LAFITE.APPEND.MESSAGE.BODY MESSAGEDISPLAYER) DO (CHANGENAME FN 'LAFITE.PARSE.HEADER
  ; LAFITE.NEW.PARSE.HEADER))
  (LAFITE.COMPUTE.CACHED.VARS])

```

(LAFITE.COMPUTE.CACHED.VARS

```

[LAMBDA NIL ; Edited 3-Jun-92 17:46 by bvm
  ;; Clears or recomputes all cached information that is based on some possibly user-settable variable.
  [SETQ \LAFITE.DISPLAY.COMMANDS (APPEND (for CMD in (fetch (MENU ITEMS) of TEDIT.DEFAULT.MENU)
  when (CL:MEMBER (if (LISTP CMD)
  then (CAR CMD)
  else CMD)
  ("put" "find" "Expanded Menu")
  :TEST
  'STRING-EQUAL)
  collect CMD)
  (for CMD in LAFITE.EXTRA.DISPLAY.COMMANDS
  collect (if (STRING-EQUAL (CAR CMD)
  "looks")
  then ; Add subcommands, so user can easily add more functions to
  ; do Looks.
  (LIST (CAR CMD)
  (CADR CMD)
  (CADDR CMD)
  (CONS 'SUBITEMS (APPEND (CDR (CADDR CMD))
  LAFITE.LOOKS.SUBCOMMANDS
  )))
  else CMD]
  [for USERVER in ' (LAFITE.DONT.DISPLAY.HEADERS LAFITE.DONT.FORWARD.HEADERS LAFITE.DONT.HARDCOPY.HEADERS)
  as IVAR in ' (\LAPARSE.DONT.DISPLAY.HEADERS \LAPARSE.DONT.FORWARD.HEADERS \LAPARSE.DONT.HARDCOPY.HEADERS)
  do ; Make parse tables out of user vars that list fields to omit from
  ; headers
  (SET IVAR (AND (EVALV USERVER)
  (for FIELD in (EVALV USERVER) collect (if (STRING-EQUAL FIELD "GV")
  then
  ; Kludge! Designed to eat GGVV nonsense that comes AFTER
  ; the header
  (LIST ' %
  ELSEIF (EQ FIELD :ORIGINAL)
  THEN (LIST "Original-" (FUNCTION
  LAFITE.HANDLE.ORIGINAL.FIELD
  )))
  else (LIST FIELD (FUNCTION
  LAFITE.EAT.UNDESIRABLE.FIELD])
  ; Clear cached menus
  (for VAR in LAFITEMENUVARS do
  (SET VAR NIL))
  (for FOLDER in \ACTIVELAFITEFOLDERS do (for W in (fetch (MAILFOLDER FOLDERDISPLAYWINDOWS) of FOLDER)
  when (WINDOWP W) do (WINDOWPROP W 'TEDIT.MENU.COMMANDS
  \LAFITE.DISPLAY.COMMANDS)
  (WINDOWPROP W 'TEDIT.MENU NIL)))
  (LET [(OLDABBREVS \LAFITE.PSEUDO.DEVICES)
  (NEWABBREVS (DREMOVE
  NIL
  (for PAIR in LAFITE.HOST.ABBREVS bind FIELDS NAMES
  collect (if [AND [for STR in (SETQ NAMES (if (LISTP (SETQ NAMES (CAR PAIR)))
  then (APPEND NAMES)
  else (LIST NAMES)))
  always (AND (STRINGP STR)
  (EQ (NTHCHARCODE STR -1)

```

```

                                (CHARCODE ":"]
      (for TAIL on (SETQ FIELDS (UNPACKFILENAME.STRING (CADR PAIR)))
        by (CDDR TAIL) always (FMEMB (CAR TAIL)
                                '(HOST DIRECTORY DEVICE]
      then ; CAR is list of pseudo-devices (must be strings ending in colon),
          ; CDR is unpacked fields
          (CONS NAMES FIELDS)
      else (PRINTOUT PROMPTWINDOW T "Bad host abbreviation: " PAIR)
          NIL]
      (if [NOT (PROG1 (EQUAL (CDR \LAFITE.PSEUDO.DEVICES)
                            NEWABBREVS)
                        (SETQ \LAFITE.PSEUDO.DEVICES (AND NEWABBREVS (CONS (CONS NIL (fetch UNPACKEDHOST&DIR
                                                                                          of \LAFITEDEFAULTHOST&DIR))
                                                                                          NEWABBREVS))))])
        then (\LAFITE.RECOMPUTE.FOLDER.NAMES OLDABBREVS)))
;; Finally, reauthenticate user, in case there is any mode-specific caching we care about.
(LAFITECLEARCACHE)
)

```

(RPAQ? *LAFITE-MAX-FIELD-WIDTH* 100)

(RPAQ? *LAFITE-PARSE-HEADER-STRING-RESOURCE*)

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS *LAFITE-MAX-FIELD-WIDTH* *LAFITE-PARSE-HEADER-STRING-RESOURCE*)
)

(DECLARE%: DONTEVAL@LOAD DOCOPY

(INIT.NEW.PARSE.HANDLER)
)

:: automatically handle internet addresses

(DEFINEQ

(NSMAIL.PARSE1

```

[LAMBDA (FIELD DEFAULTDOMAIN EDITWINDOW) ; Edited 26-Feb-93 14:34 by bvm
  (COND
    (FIELD (bind ADDR (START _ 1)
                  COMMA DOT when (PROGN [SETQ ADDR (SUBSTRING FIELD START (AND (SETQ COMMA (STRPOS
                                                                                   '%', FIELD START))
                                                                                   (SUB1 COMMA])
                  (do ; Strip leading blanks
                    (SELCHARQ (CHCON1 ADDR)
                              ((SPACE TAB)
                               (GNC ADDR))
                              (RETURN)))
                  (do ; Strip trailing blanks
                    (SELCHARQ (NTHCHARCODE ADDR -1)
                              ((SPACE TAB)
                               (GLC ADDR))
                              (RETURN)))
                    (NEQ (NCHARS ADDR)
                        0))
    collect (if (AND (STRPOS '@ ADDR)
                    (NOT (STRPOS '%: ADDR))
                    (EQ DEFAULTDOMAIN (fetch (LAFITEMODEDATA UNPACKEDUSERNAME) of *LAFITE-MODE-DATA*))
                    (SETQ DOT (STRPOS '%. ADDR NIL NIL NIL NIL NIL T)))
      then
        ;; It's an Internet address--turn the last dot into a colon. Don't do this if we're not being called from the places
        ;; that parse with respect to the user's own name. E.g., when building an answer form, there are often names
        ;; that are abbreviated relative to the message sender's name.
        (create NSNAME
                NSOBJECT _ (SUBSTRING ADDR 1 (SUB1 DOT))
                NSDOMAIN _ (SUBSTRING ADDR (ADD1 DOT))
                NSORGANIZATION _ "Xerox")
      else (PARSE.NSNAME ADDR NIL DEFAULTDOMAIN))
    repeatwhile (COND
      (COMMA (SETQ START (ADD1 COMMA))
    )
)

```

(DEFINEQ

(LAFITE.TOGGLE.SERVER.TRACE

```

[LAMBDA NIL ; Edited 24-Jul-92 15:14 by bvm
  (LET [(CHOICE (MENU (create MENU
                          ITEMS _ '("Quiet" 0 "Don't report server")
                                  ("Report" T "Just report server in prompt window")
                                  ("Require Confirmation" :ASK "Require approval for posting server
                                                              choice"))
        CENTERFLG _ T
        TITLE _ "Trace Posting Server?"]
)

```

```
(if CHOICE
  then (PRINTOUT PROMPTWINDOW T "*NSMAIL-TRACE-SERVERS* = " (SETQ *NSMAIL-TRACE-SERVERS*
                                                                (AND (NEQ CHOICE 0)
                                                                    CHOICE]))
)
```

```
(APPENDTOVAR LAFITESUBQUITMENUITEMS ("Server trace" 'LAFITE.TOGGLE.SERVER.TRACE "Change setting of
                                         *NSMAIL-TRACE-SERVERS*"))
```

```
(RPAQQ LAFITESUBQUITMENU NIL)
```

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