

File created: 25-Feb-2026 09:09:57 {WMEDLEY}<lispusers>CONVERT-TO-UTF8.;16

edit by: rmk

changes to: (FNS CONVERT-TO-UTF8)

previous date: 24-Feb-2026 22:45:57 {WMEDLEY}<lispusers>CONVERT-TO-UTF8.;14

Read Table: INTERLISP

Package: INTERLISP

Format: MCCS

(RPAQQ CONVERT-TO-UTF8COMS ((FNS CONVERT-TO-UTF8)))

(DEFINEQ

CONVERT-TO-UTF8

[LAMBDA (FILENAME FILETYPE)

; Edited 25-Feb-2026 09:09 by rmk

;; This produces a new version of the source FILENAME with :UTF-8 external format.

;; If we had a list of problematic functions (multiple definitions on multiple files, MOVD's), we could check that against the functions in FILENAME,
;; and at least produce a warning.

;; Compiling may be tricky: some files have CL:COMPILE-FILE FILETYPE properties that don't correspond to the fact that they actually have
;; only an LCOM. This tries to revert the filetype back to FAKE-COMPILE-FILE so that we don't get confused when a DFASL mysteriously
;; appears.

(SETQ FILENAME (PSEUDOFilename FILENAME))

(SETQ FILENAME (OR (FINDFILE FILENAME T)

(ERROR "FILE NOT FOUND" FILENAME)))

(if [EQ :UTF-8 (CL:WITH-OPEN-FILE (STREAM FILENAME :DIRECTION :INPUT)

(fetch (READER-ENVIRONMENT REFORMAT) of (GET-ENVIRONMENT-AND-FILEMAP STREAM
T])

then (PRINTOUT T FILENAME " is already " .P2 :UTF-8 T)

NIL

else (LOAD? (MEDLEYDIR "loadups" 'EXPORTS.ALL))

; Maybe this should load SYSEDIT ?

(LOAD FILENAME 'PROP)

(LOADCOMP FILENAME)

(SETQ FILENAME (PACKFILENAME 'VERSION NIL 'BODY FILENAME))

(CL:WHEN [AND (EQ 'CL:COMPILE-FILE (GETPROP (ROOTFILENAME FILENAME)
'FILETYPE))

(FINDFILE (PACKFILENAME 'EXTENSION 'LCOM 'BODY FILENAME))

(NOT (FINDFILE (PACKFILENAME 'EXTENSION 'DFASL 'BODY FILENAME]

(CL:UNLESS FILETYPE (SETQ FILETYPE :FAKE-COMPILE-FILE))

(PRINTOUT T "Changing FILETYPE back to " .P2 FILETYPE T)

(PUTPROP (ROOTFILENAME FILENAME)

'FILETYPE FILETYPE))

[SETQ FILENAME (MAKEFILE FILENAME '(NEW :UTF-8)

(MAKEFILE1 FILENAME NIL '(F)

FILENAME))

)

FUNCTION INDEX

CONVERT-TO-UTF81
