

File created: 18-Oct-93 10:41:09 {Pele:mv:envos}<LispCore>Sources>CLTL2>CMLDOC.;2
previous date: 14-Apr-92 20:18:56 {Pele:mv:envos}<LispCore>Sources>CLTL2>CMLDOC.;1
Read Table: INTERLISP
Package: INTERLISP
Format: XCCS

;;
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(RPAQQ **CMLDOCCOMS** (

;;; Documentation strings

(VARIABLES *DOCUMENTATION-HASH-TABLE*)
(FUNCTIONS CL:DOCUMENTATION HASH-TABLE-FOR-DOC-TYPE SET-DOCUMENTATION)
(SETFS CL:DOCUMENTATION)
;; Use the proper compiler
(PROP FILETYPE CMLDOC))

;;; Documentation strings

(DEFGLOBALVAR ***DOCUMENTATION-HASH-TABLE***

;;; This is the repository for all documentation strings in the system. It is a two-level hash-table scheme, just like *definition-hash-table*. At the first level,
;;; *DOCUMENTATION-HASH-TABLE* maps the symbols that name documentation-types into a separate hash table for each type. Those tables map
;;; names into the documentation strings for those names. The first-level table uses an EQ test while the second-level ones use CL:EQUAL.

;; The hash-table is initialized to have second-level tables for each of the required documentation types.

(LET ((CL::HT (CL:MAKE-HASH-TABLE :TEST 'EQ :SIZE 10 :REHASH-SIZE 5)))
[FOR TYPE-LIST IN '(TYPES TYPE)
(SETFS CL:SETF)
(STRUCTURES CL:STRUCTURE RECORD RECORDS)
(FUNCTIONS CL:FUNCTION FN FNS)
(VARIABLES CL:VARIABLE VAR VARS))
DO (LET ((TABLE (CL:MAKE-HASH-TABLE :TEST 'CL:EQUAL :SIZE 50 :REHASH-SIZE 50)))
(FOR TYPE IN TYPE-LIST DO (CL:SETF (CL:GETHASH TYPE CL::HT)
TABLE]
CL::HT))

(CL:DEFUN **CL:DOCUMENTATION** (NAME DOC-TYPE)
(GETHASH NAME (**HASH-TABLE-FOR-DOC-TYPE** DOC-TYPE)))

(CL:DEFUN **HASH-TABLE-FOR-DOC-TYPE** (DOC-TYPE)
(OR (GETHASH DOC-TYPE *DOCUMENTATION-HASH-TABLE*)
(AND FILEPKGFLG (GETHASH (SETQ DOC-TYPE (GETFILEPKGTYPE DOC-TYPE 'TYPE))
;; note that GETFILEPKGTYPE will signal an error if it doesn't recognize the type.
DOCUMENTATION-HASH-TABLE))
(CL:SETF (GETHASH DOC-TYPE *DOCUMENTATION-HASH-TABLE*)
(CL:MAKE-HASH-TABLE :TEST 'CL:EQUAL :SIZE 50 :REHASH-SIZE 50))))

(CL:DEFUN **SET-DOCUMENTATION** (NAME DOC-TYPE NEW-STRING) ; Edited 14-Apr-92 20:16 by jrb:
(CL:CHECK-TYPE NEW-STRING (OR (EQL NIL)
STRING))
(CL:IF LISPXHIST
(UNDOABLY-SETF (GETHASH NAME (**HASH-TABLE-FOR-DOC-TYPE** DOC-TYPE))
NEW-STRING)
(CL:SETF (GETHASH NAME (**HASH-TABLE-FOR-DOC-TYPE** DOC-TYPE))
NEW-STRING)))

(CL:DEFSETF **CL:DOCUMENTATION** SET-DOCUMENTATION)

;; Use the proper compiler

(PUTPROPS **CMLDOC FILETYPE** CL:COMPILE-FILE)

(PUTPROPS **CMLDOC COPYRIGHT** ("Venue & Xerox Corporation" 1986 1987 1990 1991 1992 1993))

FUNCTION INDEX

CL:DOCUMENTATION1 HASH-TABLE-FOR-DOC-TYPE1 SET-DOCUMENTATION1

PROPERTY INDEX

CMLDOC1

SETF INDEX

CL:DOCUMENTATION1

VARIABLE INDEX

DOCUMENTATION-HASH-TABLE1
