

File created: 16-May-90 13:06:35 {DSK}<usr>local>lde>lispcore>sources>CMLDOC.;2

changes to: (VARS CMLDOCCOMS)

previous date: 19-Mar-87 12:29:50 {DSK}<usr>local>lde>lispcore>sources>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)  
(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))

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**FUNCTION INDEX**

CL:DOCUMENTATION .....1    HASH-TABLE-FOR-DOC-TYPE .....1    SET-DOCUMENTATION .....1

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**PROPERTY INDEX**

CMLDOC .....1

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**SETF INDEX**

CL:DOCUMENTATION .....1

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**VARIABLE INDEX**

\*DOCUMENTATION-HASH-TABLE\* .....1

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