

File created: 12-Aug-2022 12:31:32 {DSK}<home>larry>medley>sources>CMLENVIRONMENT.;2

changes to: (IL:FUNCTIONS ROOM)

previous date: 3-Sep-93 09:49:06 {DSK}<home>larry>medley>sources>CMLENVIRONMENT.;1

Read Table: XCL

Package: LISP

Format: XCCS

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(IL:RPAQQ IL:CMLENVIRONMENTCOMS
  (
    ;; Misc environmental functions:
    (IL:FUNCTIONS LISP-IMPLEMENTATION-TYPE LISP-IMPLEMENTATION-VERSION MACHINE-INSTANCE MACHINE-VERSION
      SOFTWARE-TYPE SOFTWARE-VERSION MACHINE-TYPE)
    (IL:VARIABLES XCL:*SHORT-SITE-NAME* XCL:*LONG-SITE-NAME*)
    (IL:FUNCTIONS SHORT-SITE-NAME LONG-SITE-NAME)
    (IL:FUNCTIONS ROOM)
    (IL:COMS
      ;; Functions for printing the system information for Customer Support:
      (IL:FNS IL:PRINT-LISP-INFO IL:PRINT-LOADED-FILE-INFO))
    (IL:VARIABLES *FEATURES*)
    (IL:PROP (IL:MAKEFILE-ENVIRONMENT IL:FILETYPE)
      IL:CMLENVIRONMENT))

  ;; Misc environmental functions:

  (DEFUN LISP-IMPLEMENTATION-TYPE ()
    "Venue Medley")

  (DEFUN LISP-IMPLEMENTATION-VERSION ()
    (CONCATENATE 'STRING (STRING-CAPITALIZE IL:MAKESYSNAME)
      " "
      (IL:MKSTRING IL:LISP-RELEASE-VERSION)
      " sysout of " IL:MAKESYSDATE))

  (DEFUN MACHINE-INSTANCE ()
    (IL:SELECTC IL:\\MACHINETYPE
      (IL:\\MAIKO (FORMAT NIL "~A ~A" (OR (IL:UNIX-GETPARM "HOSTID")
        (IL:UNIX-GETENV "HOSTID"))
        (OR (IL:UNIX-GETPARM "HOSTNAME")
        (IL:UNIX-GETENV "HOSTNAME")))))
    (LET ((HOST IL:\\MY.NSHOSTNUMBER))
      (FORMAT NIL "~@[~A = ~]~O#" (AND IL:\\PUP.READY (IL:ETHERHOSTNAME))
        (+ (ASH (SECOND HOST)
          32)
          (ASH (THIRD HOST)
          16)
          (FOURTH HOST))))))

  (DEFUN MACHINE-VERSION ()
    (IL:SELECTQ (IL:MACHINETYPE)
      (IL:MAIKO
        ; For emulators, convert the emulator creation date from
        ; microcodeversion.
        (FORMAT NIL "Emulator created: ~A, memory size: ~D" (IL:SUBSTRING (IL:GDATE
          (+ (IL:IDATE "14-OCT-87
            12:00:00")
            (* 86400 (
              IL:MICROCODEVERSION
                ))))
          1 9)
          (IL:REALMEMORYSIZE)))
        (FORMAT NIL "Microcode version: ~D, memory size: ~D" (IL:MICROCODEVERSION)
          (IL:REALMEMORYSIZE))))

  (DEFUN SOFTWARE-TYPE ()
    "Envos Medley")

  (DEFUN SOFTWARE-VERSION ()
    (CONCATENATE 'STRING (LISP-IMPLEMENTATION-VERSION)
      ", Make-init dates: "
      (CAR IL:MAKEINITDATES)
      ", "
      (CADR IL:MAKEINITDATES)))
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(DEFUN MACHINE-TYPE ()
  (IL:SELECTC IL:\\MACHINETYPE
    (IL:\\DANDELION "Xerox 1108")
    (IL:\\DORADO "Xerox 1132")
    (IL:\\DAYBREAK "Xerox 1186")
    (IL:\\MAIKO (OR (IL:UNIX-GETPARM "MACH")
                    (IL:UNIX-GETENV "MACH"))))
    (IL:MKSTRING (IL:MACHINETYPE))))

(DEFVAR XCL:*SHORT-SITE-NAME* NIL)

(DEFVAR XCL:*LONG-SITE-NAME* NIL)

(DEFUN SHORT-SITE-NAME ()
  (OR XCL:*SHORT-SITE-NAME* "Unknown"))

(DEFUN LONG-SITE-NAME ()
  (OR XCL:*LONG-SITE-NAME* XCL:*SHORT-SITE-NAME* "Unknown"))

(DEFUN ROOM (&OPTIONAL (TYPES NIL SP)
              (PAGE-LIMIT (IF SP
                              NIL
                              20))
              (IN-USE-LIMIT NIL))
  ; Edited 12-Aug-2022 12:25 by Imm
  ;; The three args are identical to those of IL:STORAGE, except that TYPES = NIL, T or omitted is handled per silver book (small, maximal, medium,
  ;; respectively).
  (LET* ((STORAGE-LEFT (IL:STORAGE.LEFT))
         (DATA-REMAINING (ROUND (* 100 (SECOND STORAGE-LEFT))))
         (ONE-PERCENT-VMEM (ROUND (+ IL:\\LASTVMEMFILEPAGE 50)
                                   100))
         (VMEM-PERCENT (- 100 (ROUND (+ (IL:VMEMSIZE)
                                         (ASH ONE-PERCENT-VMEM -1))
                                     ONE-PERCENT-VMEM))))
    (FORMAT T "Data area remaining:~25t~a%~%" DATA-REMAINING)
    (FORMAT T "Vmem remaining:~25t~a%~%" VMEM-PERCENT)
    (WHEN (OR TYPES PAGE-LIMIT IN-USE-LIMIT)
      (TERPRI T)
      (WHEN (OR PAGE-LIMIT IN-USE-LIMIT)
        (FORMAT T "Datatypes with at least")
        (WHEN PAGE-LIMIT (FORMAT T " ~D pages allocated" PAGE-LIMIT IN-USE-LIMIT))
        (WHEN IN-USE-LIMIT (FORMAT T "~:[~; and at least~] ~D instances in use" PAGE-LIMIT IN-USE-LIMIT
                                   ))
        (FORMAT T "::~~%~%"))
      (IL:STORAGE (AND TYPES (NOT (EQ TYPES T))
                      TYPES)
                  PAGE-LIMIT IN-USE-LIMIT))))

;; Functions for printing the system information for Customer Support:

(IL:DEFINEQ
  (IL:PRINT-LISP-INFORMATION
    (IL:LAMBDA (IL:FILE STRING)
      (IL:PRINTOUT (OR IL:FILE T)
        (LISP-IMPLEMENTATION-TYPE)
        " version "
        (LISP-IMPLEMENTATION-VERSION)
        " on "
        (MACHINE-TYPE)
        " / "
        (MACHINE-VERSION)
        " , " "machine " (MACHINE-INSTANCE)
        " based on "
        (SOFTWARE-TYPE)
        " version "
        (SOFTWARE-VERSION)
        T "Patch files: " IL:\\# (IL:PRINT-LOADED-FILE-INFORMATION IL:FILE (OR STRING "PATCH")))))
    ; Edited 7-Mar-88 15:24 by jds

  (IL:PRINT-LOADED-FILE-INFORMATION
    (IL:LAMBDA (IL:FILE STRING)
      (IL:* IL:|raf| " 2-Jan-86 17:37")
      (IL:|for| IL:X IL:|in| IL:LOADEDFILELST IL:|when| (IL:STRPOS (OR STRING "PATCH")
                                                                    IL:X)
        IL:|do| (IL:PRINTOUT IL:FILE (IL:NAMEFIELD IL:X)
          " dated "
          (CAAR (IL:GETPROP (IL:NAMEFIELD IL:X)
                            'IL:FILEDATES))
          T))))
    )
  )

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(DEFPARAMETER *FEATURES* ' (:INTERLISP :XEROX :COMMON :IEEE-FLOATING-POINT :MEDLEY))  
(IL:PUTPROPS IL:CMLENVIRONMENT IL:MAKEFILE-ENVIRONMENT (:READTABLE "XCL" :PACKAGE "LISP"))  
(IL:PUTPROPS IL:CMLENVIRONMENT IL:FILETYPE :COMPILE-FILE)  
(IL:PUTPROPS IL:CMLENVIRONMENT IL:COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1988 1990 1993))
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FUNCTION INDEX

LISP-IMPLEMENTATION-TYPE1	MACHINE-TYPE2	ROOM2
LISP-IMPLEMENTATION-VERSION1	MACHINE-VERSION1	SHORT-SITE-NAME2
LONG-SITE-NAME2	IL:PRINT-LISP-INFORMATION2	SOFTWARE-TYPE1
MACHINE-INSTANCE1	IL:PRINT-LOADED-FILE-INFORMATION	.2	SOFTWARE-VERSION1

VARIABLE INDEX

FEATURES3	XCL:*LONG-SITE-NAME*2	XCL:*SHORT-SITE-NAME*2
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PROPERTY INDEX

IL:CMLEnvironment3
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