

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

; Copyright (c) 1986-1988, 1990, 1993 by Venue & Xerox Corporation.

(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-INFORMATION IL:PRINT-LOADED-FILE-INFORMATION))

(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)))

```
(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 lmm

:: 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

; Edited 7-Mar-88 15:24 by jds

```
(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")))))
```

(IL:PRINT-LOADED-FILE-INFORMATION

(IL:* IL:|raf| " 2-Jan-86 17:37")

```
(IL:LAMBDA (IL:FILE STRING)
  (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))))
```

)

```
(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))
```

FUNCTION INDEX

LISP-IMPLEMENTATION-TYPE	1	MACHINE-TYPE	2	ROOM	2
LISP-IMPLEMENTATION-VERSION	1	MACHINE-VERSION	1	SHORT-SITE-NAME	2
LONG-SITE-NAME	2	IL:PRINT-LISP-INFORMATION	2	SOFTWARE-TYPE	1
MACHINE-INSTANCE	1	IL:PRINT-LOADED-FILE-INFORMATION ..	2	SOFTWARE-VERSION	1

VARIABLE INDEX

FEATURES	3	XCL:*LONG-SITE-NAME*	2	XCL:*SHORT-SITE-NAME*	2
------------------	---	----------------------------	---	-----------------------------	---

PROPERTY INDEX

IL:CMLENVIRONMENT	3
-------------------------	---
