

File created: 12-Jun-90 11:00:52 {DSK}<usr>local>lde>lispcore>library>REMOTEVMEM.;2

changes to: (VARS REMOTEVMEMCOMS)

previous date: 15-Feb-85 18:17:43 {DSK}<usr>local>lde>lispcore>library>REMOTEVMEM.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

::
:: Copyright (c) 1982, 1983, 1984, 1985, 1990 by Venue & Xerox Corporation. All rights reserved.

(RPAQQ REMOTEVMEMCOMS

```
(( (FNS CLEARPAGECACHE OPENREMOTEVMEMFILE CLOSEREMOTEVMEMFILE VMAPPAGE REMOTEPMAP REMOTERETURN
  REMOTESETWORD \TR.NOSERVER DEBUGGINGTRSERVER)
 (INITVARS (REMOTEVMEMCOMS)
  (REMOTEVMEMCOMS (REMOTEVMEMCOMS)))
 (DECLARE%: EVAL@COMPILE DONTCOPY (RECORDS REMOTEVMEMFILE)
  (CONSTANTS \PUPSOC.TELERAID)
  (CONSTANTS * TRPUPTYPES)
  (ADDVARS * (LIST (CONS 'PUPTYPES TRPUPTYPES)))
  (GLOBALVARS REMOTEVMEMCOMS REMOTEVMEMCOMS)
  (ADDVARS (DONTCOMPILEFNS DEBUGGINGTRSERVER))
  (FILES (LOADCOMP)
  PUP VMEM))))
```

(DEFINEQ

(CLEARPAGECACHE

```
[LAMBDA NIL
 (SETQ REMOTEVMEMCOMS)]
```

(* Imm "20-AUG-81 16:45")

(OPENREMOTEVMEMFILE

```
[LAMBDA (HOST)
 (SETQ VMEMFILE (create REMOTEVMEMFILE
  REMOTEVMEMADDR _ (ETHERPORT HOST)
  REMOTEVMEMSOCKET _ (OPENPUPSOCKET))
```

(* bvm%: "13-Jul-84 17:20")

(CLOSEREMOTEVMEMFILE

```
[LAMBDA NIL
 (CLEARPAGECACHE)
 (AND VMEMFILE (fetch REMOTEVMEMSOCKET of VMEMFILE)
  (CLOSEPUPSOCKET (fetch REMOTEVMEMSOCKET of VMEMFILE))
```

(* bvm%: "13-Jul-84 17:11")

(VMAPPAGE

```
[LAMBDA (PAGE#)
 (PROG ((ENTRY (ASSOC PAGE# REMOTEVMEMCOMS))
  TAIL)
 (IF ENTRY
  THEN (MOVETOP ENTRY REMOTEVMEMCOMS)
  (RETURN (CDR ENTRY)))
 [push REMOTEVMEMCOMS (CONS PAGE# (SETQ ENTRY (REMOTEVMEMCOMS VMEMFILE PAGE# (\ALLOCBLOCK WORDSPERPAGE))
 (IF (CDR (SETQ TAIL (NTH REMOTEVMEMCOMS REMOTEVMEMCOMS)))
  THEN (RPLACD TAIL))
 (RETURN ENTRY])
```

(* Imm " 4-Oct-84 15:45")

(REMOTEVMEMCOMS

```
[LAMBDA (FL PAGE# BUFFER)
 (OR (EQ FL VMEMFILE)
  (SHOULDNT))
 (PROG ((SOC (fetch REMOTEVMEMSOCKET of FL))
  INPUP OUTPUP)
 (SETUPPUP (SETQ OUTPUP (ALLOCATE.PUP))
  (fetch REMOTEVMEMADDR of FL)
  \PUPSOC.TELERAID TR.GIVEPAGE (LLSH PAGE# 8)
  SOC)
 (to \MAXETHERTRIES when (SETQ INPUP (\EXCHANGE PUPS SOC OUTPUP NIL T))
  do (SELECTC (fetch PUPTYPE of INPUP)
  (TR.HEREISPAGE
  (RETURN (\BLT BUFFER (fetch PUPCONTENTS of INPUP)
  WORDSPERPAGE)))
  (TR.ERROR (RETURN (INVALIDADDR (UNFOLD PAGE# WORDSPERPAGE))))
  (\PT.ERROR (RETURN (\TR.NOSERVER)))
  NIL)
  finally (ERROR "REMOTE SYSTEM NOT RESPONDING"))
 (RELEASE.PUP OUTPUP)
 (AND INPUP (RELEASE.PUP INPUP))
 (RETURN BUFFER])
```

(* bvm%: "13-Feb-85 12:35")


```

                TR.GOREPLY)
            (EQUAL (fetch PUPID of INPUP)
              (IPLUS 1 (fetch PUPID of OUTPUP]
            (GO DONE))
            (T (printout T "GO SEQUENCE ABORTED" T)))
                (* acknowledge pup AND WAIT FOR REPLY)
        )
        (printout T "WRONG PUP TYPE" T))
    (GO LP)
  DONE
  (RETURN])
)

(RPAQ? REMOTEPAGELST )

(RPAQ? REMOTECACHESIZE 100)

(DECLARE%: EVAL@COMPILE DONTCOPY

(DECLARE%: EVAL@COMPILE

(RECORD REMOTEVMEMFILE (RVFTAG RVFFN (REMOTEVMEMADDR . REMOTEVMEMSOCKET))
  RVFTAG _ 'PMAP RVFFN _ (FUNCTION REMOTEPMAP))
)

(DECLARE%: EVAL@COMPILE

(RPAQQ \PUPSOC.TELERAID 27)

(CONSTANTS \PUPSOC.TELERAID)
)

(RPAQQ TRPUPTYPES ((TR.GIVEPAGE 197)
  (TR.HEREISPAGE 193)
  (TR.STORE 198)
  (TR.STOREDONE 192)
  (TR.GO 199)
  (TR.GOACK 194)
  (TR.GOREPLY 131)
  (TR.ERROR 196)))

(DECLARE%: EVAL@COMPILE

(RPAQQ TR.GIVEPAGE 197)

(RPAQQ TR.HEREISPAGE 193)

(RPAQQ TR.STORE 198)

(RPAQQ TR.STOREDONE 192)

(RPAQQ TR.GO 199)

(RPAQQ TR.GOACK 194)

(RPAQQ TR.GOREPLY 131)

(RPAQQ TR.ERROR 196)

(CONSTANTS (TR.GIVEPAGE 197)
  (TR.HEREISPAGE 193)
  (TR.STORE 198)
  (TR.STOREDONE 192)
  (TR.GO 199)
  (TR.GOACK 194)
  (TR.GOREPLY 131)
  (TR.ERROR 196))
)

(ADDTOVAR PUPTYPES (TR.GIVEPAGE 197)
  (TR.HEREISPAGE 193)
  (TR.STORE 198)
  (TR.STOREDONE 192)
  (TR.GO 199)
  (TR.GOACK 194)
  (TR.GOREPLY 131)
  (TR.ERROR 196))

(DECLARE%: DOEVAL@COMPILE DONTCOPY

(GLOBALVARS REMOTECACHESIZE REMOTEPAGELST)
)

(ADDTOVAR DONTCOMPILEFNS DEBUGGINGTRSERVER)

(FILESLoad (LOADCOMP)

```

{MEDLEY}<library>REMOTEVMEM.;1

 PUP VMEM)
)

(PUTPROPS **REMOTEVMEM COPYRIGHT** ("Venue & Xerox Corporation" 1982 1983 1984 1985 1990))

FUNCTION INDEX

CLEARPAGECACHE	1	OPENREMOTEVMEMFILE	1	REMOTASETWORD	2
CLOSEREMOTEVMEMFILE	1	REMOTEPMAP	1	VMAPPAGE	1
DEBUGGINGTRSERVER	2	REMOTERETURN	2	\TR.NOSERVER	2

CONSTANT INDEX

TR.ERROR	3	TR.GO	3	TR.GOREPLY	3	TR.STORE	3	\PUPSOC.TELERAID ..	3
TR.GIVEPAGE	3	TR.GOACK	3	TR.HEREISPAGE	3	TR.STOREDONE	3		

VARIABLE INDEX

DONTCOMPILEFNS	3	PUPTYPES	3	REMOTECACHESIZE ...	3	REMOTEPAGELST	3	TRPUPTYPES	3
---------------------	---	----------------	---	---------------------	---	--------------------	---	------------------	---

RECORD INDEX

REMOTEVMEMFILE 3
