

File created: 2-Jun-2022 13:44:04 {DSK}<var>tmp>loops>sources>LOOPSUID.;2

changes to: (FNS InitializeUIDs)

previous date: 17-Mar-2022 16:22:46 {DSK}<var>tmp>loops>sources>LOOPSUID.;1

Read Table: INTERLISP

Package: INTERLISP

Format: XCCS

;;  
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(RPAQQ **LOOPSUIDCOMS**  
(

;;; Patches a problem in Lyric. Fixed in Medley. IDATE and DATE were declared non-side effecting & non-effected thus compile-time constant. This  
;;; could cause non-unique UIDs to be generated.

(DECLARE%: EVAL@COMPILE DONTCOPY (COMPILER::COMPILER-DATA ("Side-effects data for IRM, Chapter 12:  
Miscellaneous" :NONE :ANY)))

;;; Creates unique identifiers for instances

(FNS HasUID? Make-UID UID UIDP)  
(INITVARS (\*UID-SESSION\* NIL)  
(\*UID-COUNT\* 0))  
(GLOBALVARS \*UID-SESSION\* \*UID-COUNT\*)  
(DECLARE%: EVAL@COMPILE DONTCOPY (EXPORT (RECORDS UID))  
DONTVAL@COMPILE DOCOPY (INITRECORDS UID))

;;; Packing together a unique ID that specifies the current login

(FNS InitializeUIDs RADIX64NUM)

;;; Unpacking UIDs for human consumption

(FNS Unpack-UID ConvertFromRadix64)  
(DECLARE%: EVAL@COMPILE DONTCOPY (FILES (SYSLOAD)  
MATCH))

;;; Access UID/instance relation

(FNS GetObjFromUID PutObjectUID DeleteObjectUID MapObjectUID UIDHashBits UIDEqual)  
[INITVARS (\*UID-Table\* (HASHARRAY 8000 NIL 'UIDHashBits 'UIDEqual)  
(GLOBALVARS \*UID-Table\*)  
(ADDVARS (GLOBALVARS \*UID-Table\*))

;;; Make sure that cache of front part of UID is invalidated whenever system is restarted.

(FNS \Loops.AroundExit)  
(ADDVARS (AROUNDEXITFNS \Loops.AroundExit)))

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;;; could cause non-unique UIDs to be generated.

(DECLARE%: EVAL@COMPILE DONTCOPY