

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**
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;;; 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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(DECLARE%: EVAL@COMPILE DONTCOPY