

UtilityL

COLLABORATORS

	TITLE : UtilityL		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		July 22, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

UtilityL

1.1 UtilityL

Prozeduren

AllocateTagItems	Amiga2Date	CallHookPkt
CheckDate	CloneTagItems	Date2Amiga
FilterTagChanges	FilterTagItems	FindTagItem
FreeTagItems	GetTagData	MapTags
NextTagItem	PackBoolTags	↔
RefreshTagItemClones		
SDivMod32	SMult32	Stricmp
Strnicmp	TagInArray	ToLower
ToUpper	UDivMod32	UMult32

Konstanten

utilityMinVersion	utilityName
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Variablen

utilityBase	utilityVersion
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1.2 TMP:Modula-2/UtilityL.def

```
DEFINITION MODULE UtilityL{"utility.library",36};
(* 10-Mar-1992/cn *)
```

```
FROM SYSTEM IMPORT ADDRESS, LONGSET;
```

```
IMPORT
  d:UtilityD, ExecD, R;
```

```
VAR
  utilityVersion:INTEGER;
  utilityBase:ExecD. LibraryPtr ;
```

```
CONST
  utilityMinVersion=36;
  utilityName="utility.library";

PROCEDURE AllocateTagItems (
  numItems{R.D0}:LONGCARD):d. TagItemPtr ; CODE -66;

PROCEDURE Amiga2Date (
  amigaTime{R.D0}:LONGCARD;
  VAR date{R.A0}:d. ClockData ); CODE -120;

PROCEDURE CallHookPkt (
  hook{R.A0}:d. HookPtr ;
  object{R.A2},paramPacket{R.A1}:ADDRESS):LONGCARD; CODE -102;

PROCEDURE CheckDate (VAR date{R.A0}:d. ClockData ):LONGCARD; CODE -132;

PROCEDURE CloneTagItems (
  tagList{R.A0}:d. TagItemPtr ):d. TagItemPtr ; CODE -72;

PROCEDURE Date2Amiga (VAR date{R.A0}:d. ClockData ):LONGCARD; CODE -126;

PROCEDURE FilterTagChanges (
  newTagList{R.A0},oldTagList{R.A1}:d. TagItemPtr ;
  apply{R.D0}:BOOLEAN); CODE -54;

PROCEDURE FilterTagItems (
  tagList{R.A0}:d. TagItemPtr ;
  filterArray{R.A1}:d. TagPtr ;
  logic{R.D0}:LONGINT):LONGCARD; CODE -96;

PROCEDURE FindTagItem (
  tagVal{R.D0}:d. Tag ;
  tagList{R.A0}:d. TagItemPtr ):d. TagItemPtr ; CODE -30;

PROCEDURE FreeTagItems (tagList{R.A0}:d. TagItemPtr ); CODE -78;

PROCEDURE GetTagData (
  tagVal{R.D0}:d. Tag ;
  defaultVal{R.D1}:LONGCARD;
  tagList{R.A0}:d. TagItemPtr ):LONGCARD; CODE -36;

PROCEDURE MapTags (
  tagList{R.A0},mapList{R.A1}:d. TagItemPtr ;
  includeMiss{R.D0}:BOOLEAN); CODE -60;

PROCEDURE NextTagItem (
  VAR tagListPtr{R.A0}:d. TagItemPtr ):d. TagItemPtr ; CODE -48;

PROCEDURE PackBoolTags (
  initialFlags{R.D0}:LONGSET;
  tagList{R.A0}:d. TagItemPtr ;
  boolMap{R.A1}:d. TagItemPtr ):LONGSET; CODE -42;

PROCEDURE RefreshTagItemClones (
  cloneList{R.A0},origList{R.A1}:d. TagItemPtr ); CODE -84;
```

```
PROCEDURE SDivMod32 (  
    dividend{R.D0},divisor{R.D1}:LONGINT):LONGINT; CODE -150;  
  
PROCEDURE SMult32 (  
    factor1{R.D0},factor2{R.D1}:LONGINT):LONGINT; CODE -138;  
  
PROCEDURE(*37*) Stricmp (  
    string1{R.A0}:ADDRESS;  
    string2{R.A1}:ADDRESS):LONGINT; CODE -162;  
  
PROCEDURE(*37*) Strnicmp (  
    string1{R.A0}:ADDRESS;  
    string2{R.A1}:ADDRESS;  
    length{R.D0}:LONGINT):LONGINT; CODE -168;  
  
PROCEDURE TagInArray (  
    tagVal{R.D0}:d. Tag ;  
    tagArray{R.A0}:d. TagPtr ):BOOLEAN; CODE -90;  
  
PROCEDURE(*37*) ToLower (character{R.D0}:CHAR):CHAR; CODE -180;  
  
PROCEDURE(*37*) ToUpper (character{R.D0}:CHAR):CHAR; CODE -174;  
  
PROCEDURE UDivMod32 (  
    dividend{R.D0},divisor{R.D1}:LONGCARD):LONGCARD; CODE -156;  
  
PROCEDURE UMult32 (  
    factor1{R.D0},factor2{R.D1}:LONGCARD):LONGCARD; CODE -144;  
  
END UtilityL.lib36
```
