

**in**

<b>COLLABORATORS</b>
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	TITLE :  in		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		July 26, 2024	

<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## in

### 1.1 ModuleInformation

ShowModule v1.10 (c) 1992 \$#%!  
now showing: "datatypes/datatypes.m"  
NOTE: don't use this output in your code, use the module instead.

```
(----) OBJECT toolnode
(  0)  node:ln (or ARRAY OF ln)
( 14)  tool:tool (or ARRAY OF tool)
( 22)  length:LONG
(----) ENDOBJECT      /* SIZEOF=26 */

(----) OBJECT datatype
(  0)  node1:ln (or ARRAY OF ln)
( 14)  node2:ln (or ARRAY OF ln)
( 28)  header:PTR TO datatypeheader
( 32)  toollist:lh (or ARRAY OF lh)
( 46)  functionname:PTR TO CHAR
( 50)  attrlist:PTR TO tagitem
( 54)  length:LONG
(----) ENDOBJECT      /* SIZEOF=58 */

(----) OBJECT tool
(  0)  which:INT
(  2)  flags:INT
(  4)  program:PTR TO CHAR
(----) ENDOBJECT      /* SIZEOF=8 */

(----) OBJECT dthookcontext
(  0)  sysbase:PTR TO lib
(  4)  dosbase:PTR TO lib
(  8)  iffparsebase:PTR TO lib
( 12)  utilitybase:PTR TO lib
( 16)  lock:LONG
( 20)  fib:PTR TO fileinfoblock
( 24)  filehandle:LONG
( 28)  iff:PTR TO iffhandle
( 32)  buffer:PTR TO CHAR
( 36)  bufferlength:LONG
(----) ENDOBJECT      /* SIZEOF=40 */
```

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```
(----) OBJECT datatypeheader
( 0)   name:PTR TO CHAR
( 4)   basename:PTR TO CHAR
( 8)   pattern:PTR TO CHAR
(12)   mask:PTR TO INT
(16)   groupid:LONG
(20)   id:LONG
(24)   masklen:INT
(26)   pad:INT
(28)   flags:INT
(30)   priority:INT
(----) ENDOBJECT      /* SIZEOF=32 */

CONST DTERROR_UNKNOWN_DATATYPE=$7D0,
      ID_CODE=$44544344,
      DTERROR_INVALID_DATA=$7D8,
      DTERROR_NOT_ENOUGH_DATA=$7D7,
      ID_TOOL=$4454544C,
      DTF_SYSTEM1=$1000,
      DTERROR_COULDNT_OPEN=$7D2,
      TF_LAUNCH_MASK=15,
      DTF_TYPE_MASK=15,
      ID_TAGS=$44545447,
      GID_PICTURE=$70696374,
      ID_DTHD=$44544844,
      GID_ANIMATION=$616E696D,
      DTF_ASCII=1,
      GID_TEXT=$74657874,
      TW_PRINT=4,
      TW_EDIT=3,
      TW_MAIL=5,
      GID_INSTRUMENT=$696E7374,
      GID_DOCUMENT=$646F6375,
      TW_INFO=1,
      GID_MUSIC=$6D757369,
      DTF_BINARY=0,
      ID_DTYP=$44545950,
      TF_WORKBENCH=2,
      DTERROR_RESERVED=$7D5,
      DTF_CASE=16,
      GID_SOUND=$736F756E,
      GID_SYSTEM=$73797374,
      TW_BROWSE=2,
      GID_MOVIE=$6D6F7669,
      DTF_IFF=2,
      DTMSG_TYPE_OFFSET=$834,
      DTERROR_COULDNT_SEND_MESSAGE=$7D3,
      TF_SHELL=1,
      DTF_MISC=3,
      DTERROR_COULDNT_SAVE=$7D1,
      DTERROR_UNKNOWN_COMPRESSION=$7D6,
      TNSIZE=26,
      DTNSIZE=$3A,
      TF_RX=3,
      DTHSIZE=$20,
      DTERROR_COULDNT_OPEN_CLIPBOARD=$7D4,
```

ID\_NAME=\$4E414D45