

in

COLLABORATORS

	<i>TITLE :</i> in		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		February 12, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

in

1.1 ModuleInformation

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

```
(----) OBJECT dtwrite
(  0)  methodid:LONG
(  4)  ginfo:PTR TO gadgetinfo
(  8)  filehandle:LONG
( 12)  mode:LONG
( 16)  attrlist:PTR TO tagitem
(----) ENDOBJECT      /* SIZEOF=20 */
```

```
(----) OBJECT dtdraw
(  0)  methodid:LONG
(  4)  rport:PTR TO rastport
(  8)  left:LONG
( 12)  top:LONG
( 16)  width:LONG
( 20)  height:LONG
( 24)  tophoriz:LONG
( 28)  topvert:LONG
( 32)  attrlist:PTR TO tagitem
(----) ENDOBJECT      /* SIZEOF=36 */
```

```
(----) OBJECT dtprint
(  0)  methodid:LONG
(  4)  ginfo:PTR TO gadgetinfo
(  8)  iodrp:PTR TO iodrpreg
(  8)  iopc:PTR TO ioprtdreg
(  8)  ios:PTR TO iostd
( 12)  attrlist:PTR TO tagitem
(----) ENDOBJECT      /* SIZEOF=16 */
```

```
(----) OBJECT dttrigger
(  0)  methodid:LONG
(  4)  ginfo:PTR TO gadgetinfo
(  8)  function:LONG
( 12)  data:LONG
```

```
(----) ENDOBJECT      /* SIZEOF=16 */

(----) OBJECT dtgoto
(  0)  methodid:LONG
(  4)  ginfo:PTR TO gadgetinfo
(  8)  nodename:PTR TO CHAR
( 12)  attrlist:PTR TO tagitem
(----) ENDOBJECT      /* SIZEOF=16 */

(----) OBJECT dtframebox
(  0)  methodid:LONG
(  4)  ginfo:PTR TO gadgetinfo
(  8)  contentsinfo:PTR TO frameinfo
( 12)  frameinfo:PTR TO frameinfo
( 16)  sizeframeinfo:LONG
( 20)  frameflags:LONG
(----) ENDOBJECT      /* SIZEOF=24 */

(----) OBJECT dtselect
(  0)  methodid:LONG
(  4)  ginfo:PTR TO gadgetinfo
(  8)  select:rectangle (or ARRAY OF rectangle)
(----) ENDOBJECT      /* SIZEOF=16 */

(----) OBJECT dtgeneral
(  0)  methodid:LONG
(  4)  ginfo:PTR TO gadgetinfo
(----) ENDOBJECT      /* SIZEOF=8 */

(----) OBJECT frameinfo
(  0)  propertyflags:LONG
(  4)  resolution:tpoint (or ARRAY OF tpoint)
(  8)  redbits:CHAR
(  9)  greenbits:CHAR
( 10)  bluebits:CHAR
( 12)  width:LONG
( 16)  height:LONG
( 20)  depth:LONG
( 24)  screen:PTR TO screen
( 28)  colormap:PTR TO colormap
( 32)  flags:LONG
(----) ENDOBJECT      /* SIZEOF=36 */

(----) OBJECT dtmethod
(  0)  label:PTR TO CHAR
(  4)  command:PTR TO CHAR
(  8)  method:LONG
(----) ENDOBJECT      /* SIZEOF=12 */

(----) OBJECT dtspecialinfo
(  0)  lock:ss (or ARRAY OF ss)
( 46)  flags:LONG
( 50)  topvert:LONG
( 54)  visvert:LONG
( 58)  totvert:LONG
( 62)  otopvert:LONG
( 66)  vertunit:LONG
```

```
( 70)  tophoriz:LONG
( 74)  vishoriz:LONG
( 78)  tothoriz:LONG
( 82)  otophoriz:LONG
( 86)  horizunit:LONG
(----) ENDOBJECT      /* SIZEOF=90 */
```

```
CONST DTA_OBJECTID=$80001072,
      DTA_TEXTFONT=$80001017,
      DTA_DATATYPE=$80001067,
      DTA_SOURCETYPE=$80001065,
      DTA_NOMINALHORIZ=$8000107D,
      DTA_TOTALPHORIZ=$8000107B,
      DTA_TOTALHORIZ=$80001011,
      DTA_VISIBLEHORIZ=$80001010,
      DTA_TOPHORIZ=$8000100F,
      DTA_REPEAT=$80001026,
      STM_CONTENTS=3,
      DTA_RASTPORT=$80001193,
      DTM_GOTO=$630,
      DTA_TEXTATTR=$8000100A,
      DTM_WRITE=$650,
      STM_RETRACE=5,
      DTA_SPECIAL=$80001192,
      DTA_DUMMY=$80001000,
      STM_BROWSE_PREV=6,
      STM_PLAY=2,
      STM_PAUSE=1,
      DTM_COPY=$607,
      DTA_PRINTERSTATUS=$80001019,
      DTA_OBJAUTHOR=$8000106E,
      DTA_USERDATA=$80001073,
      DTA_DATA=$80001016,
      DTA_HORIZUNIT=$80001012,
      DTA_VERTUNIT=$8000100E,
      DTA_CONTROLPANEL=$80001024,
      DTA_SYNC=$8000101D,
      DTA_DESTROWS=$80001191,
      DTSIF_PRINTING=$20,
      DTA_IMMEDIATE=$80001025,
      DTA_METHODS=$80001018,
      DTA_TRIGGERMETHODS=$80001015,
      STM_FASTFORWARD=13,
      STM_ACTIVATE_FIELD=10,
      STM_PREV_FIELD=9,
      STM_NEXT_FIELD=8,
      STM_STOP=14,
      STM_RESUME=15,
      DTM_REMOVEDTOBJECT=$604,
      DTA_CONDUCTOR=$80001023,
      STM_INDEX=4,
      DTM_FRAMEBOX=$601,
      FIF_REMAPABLE=4,
      FIF_SCROLLABLE=2,
      FIF_SCALABLE=1,
      DTA_OBJANNOTATION=$8000106F,
      DTST_RAM=1,
```

```
DTWM_RAW=1,
DTA_ERRORSTRING=$80001022,
DTM_DISPOSEMEMBER=$611,
DTM_NEWMEMBER=$610,
DTA_ERRORNUMBER=$80001021,
STM_REWIND=12,
DTM_DRAW=$641,
DTM_ABORTPRINT=$609,
DTM_PRINT=$608,
DTSIF_DRAGGING=4,
DTA_TITLE=$80001014,
DTA_SELECTDOMAIN=$80001079,
DTA_DOMAIN=$80001068,
FRAMEF_SPECIFY=1,
DTM_SELECT=$605,
DTSIF_DRAGSELECT=8,
DTA_HANDLE=$80001066,
DTSIF_LAYOUTPROC=$40,
DTA_LAYOUTPROC=$8000101B,
DTA_PRINTERPROC=$8000101A,
DTM_RELEASEDRAWINFO=$642,
DTM_OBTAINDRAWINFO=$640,
DTA_DESTCOLS=$80001190,
DTA_FRAMEINFO=$80001074,
STM_COMMAND=11,
DTM_TRIGGER=$631,
DTA_TOP=$8000106A,
DTA_BUSY=$8000101C,
DTM_CLEARSELECTED=$606,
DTA_RELBOTTOM=$80001076,
DTSIF_HIGHLIGHT=16,
DTA_RELHEIGHT=$80001078,
DTA_RELRIGHT=$80001075,
DTA_OBJCOPYRIGHT=$80001070,
DTA_HEIGHT=$8000106C,
DTA_LEFT=$80001069,
DTWM_IFF=0,
STM_LOCATE=16,
DTA_NOMINALVERT=$8000107C,
DTA_TOTALPVERT=$8000107A,
DTA_TOTALVERT=$8000100D,
DTA_VISIBLEVERT=$8000100C,
DTA_TOPVERT=$8000100B,
DTST_FILE=2,
DTA_RELWIDTH=$80001077,
DTA_WIDTH=$8000106B,
DTA_OBJVERSION=$80001071,
DTSIF_NEWSIZE=2,
STM_BROWSE_NEXT=7,
DTST_HOTLINK=4,
DTA_GROUPID=$8000101F,
DTM_ASYNCCLAYOUT=$603,
DTM_PROCLAYOUT=$602,
DTSIF_LAYOUT=1,
DTST_CLIPBOARD=3,
DTA_AREXEXPORTNAME=$80001194,
DTA_OBJNAME=$8000106D,
```

```
DTA_NAME=$80001064,  
DTA_BASENAME=$8000101E,  
DTA_NODENAME=$80001013,  
DTA_ERRORLEVEL=$80001020
```

```
#define DATATYPESCLASS/0
```
