

picture_dtc

COLLABORATORS

	<i>TITLE :</i> picture_dtc		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		March 29, 2025	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	picture_dtc	1
1.1	picture_dtc.doc	1
1.2	picture.datatype/picture.datatype	1

Chapter 1

picture_dtc

1.1 picture_dtc.doc

```
picture.datatype()
```

1.2 picture.datatype/picture.datatype

NAME

picture.datatype -- root data type for pictures.

FUNCTION

The picture.datatype is the super-class for any picture related classes.

METHODS

OM_NEW -- Create a new picture object.

OM_GET -- Obtain the value of an attribute.

OM_SET -- Set the values of multiple attributes.

OM_UPDATE -- Update the values of multiple attributes.

OM_DISPOSE -- Dispose of a picture object.

GM_LAYOUT -- Layout the object and notify the application of the title and size.

GM_HITTEST -- Determine if the object has been hit with the mouse.

GM_GOACTIVE -- Tell the object to go active.

GM_HANDLEINPUT -- Handle input.

GM_RENDER -- Cause the graphic to render.

DTM_PROCLAYOUT -- Layout (remap) the picture on the application's

process.

DTM_FRAMEBOX -- Obtain the display environment that the picture requires.

DTM_SELECT -- Select an area in the picture.

DTM_CLEARSELECTED -- Deselect the selected area of the picture.

DTM_COPY -- Copy the selected area of the picture to the clipboard as an ILBM. If no area is selected, then the entire picture is copied.

DTM_PRINT -- Print the selected area of the picture. If no area is selected, then the entire picture is printed.

DTM_WRITE -- Write the selected area of the picture to a file as an ILBM. If no area is selected, then the entire picture is saved.

TAGS

OBP_Precision (ULONG) -- Precision to use when obtaining colors. See the PRECISION_ defines in <graphics/view.h>.

Applicability is (I).

PDTA_ModeID (ULONG) -- Set and get the graphic mode id of the picture.

Applicability is (ISG).

PDTA_BitMapHeader (struct BitMapHeader *) -- Set and get the base information for the picture. BitMapHeader is defined in <datatypes/pictureclass.h>

Applicability is (G).

PDTA_BitMap (struct BitMap *) -- Pointer to a class-allocated bitmap, that will end up being freed by the picture class in the OM_DISPOSE method.

Applicability is (ISG).

PDTA_ColorRegisters (struct ColorRegister *) -- Color table.

Applicability is (G).

PDTA_CRegs (ULONG *) -- Color table to use with SetRGB32CM().

Applicability is (G).

PDTA_GRegs (ULONG *) -- Color table.

Applicability is (G).

PDTA_ColorTable (ULONG *) -- Shared pen table.

Applicability is (G).

PDTA_ColorTable2 (ULONG *) -- Shared pen table.

Applicability is (G).

PDTA_Allocated (ULONG) -- Number of shared colors allocated.

Applicability is (G).

PDTA_NumColors (WORD) -- Number of colors used by the picture.

Applicability is (ISG).

PDTA_NumAlloc (WORD) -- Number of colors allocated by the picture.

Applicability is (G).

PDTA_Remap (BOOL) -- Indicate whether the picture should be remapped or not.

Applicability is (I).

PDTA_Screen (struct Screen *) -- Pointer to the screen to remap the picture to. Only used if the object is not going to be added to a window.

Applicability is (IS).

PDTA_FreeSourceBitMap (BOOL) -- Indicate whether the source bitmap should be freed immediately by the picture.datatype after the GM_LAYOUT method is called.

Applicability is (IS).

PDTA_Grab (Point *) -- Pointer to a Point structure, that defines the grab point of the picture.

Applicability is (ISG).

PDTA_DestBitMap (struct BitMap *) -- Pointer to the remapped bitmap.

Applicability is (G).

PDTA_ClassBitMap (struct BitMap *) --

Applicability is (ISG).

PDTA_NumSparse (UWORD) -- Number of entries in the sparse color table.

Applicability is (I).

PDTA_SparseTable (UBYTE *) -- Pointer to a table of pen numbers indicating which colors should be used when remapping the picture. This array must contain as many entries as indicated

by the PDTA_NumSparse tag.

Applicability is (I).