

**WorkbenchD**

<b>COLLABORATORS</b>
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	<i>TITLE :</i> WorkbenchD		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

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## Chapter 1

# WorkbenchD

### 1.1 WorkbenchD

#### Konstanten

amVersion	diskMagic	diskRevision
diskVersion	drawerDataFileSize	gadgetBackFill
noIconPosition	oldDrawerDataFileSize	workbenchName

#### Typ-Deklarationen

AppIconPtr	AppMenuItemPtr	AppMessage
AppMessagePtr	AppWindowPtr	DiskObject
DiskObjectPtr	DrawerData	DrawerDataPtr
FreeList	FreeListPtr	MType
OldDrawerData	OldDrawerDataPtr	WBArg
WBArgPtr	WBArgumentsPtr	WBOBJECTType
WBStartup	WBStartupPtr	

### 1.2 TMP:Modula-2/WorkbenchD.def

```
DEFINITION MODULE WorkbenchD; (*$Implementation:=FALSE*)
(* 17-May-1992/cn *)
```

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

```
FROM DosD IMPORT
  FileLockPtr ;
```

```
FROM ExecD IMPORT
  Message , MsgPortPtr , List ;
```

```
FROM IntuitionD IMPORT
  Gadget , GadgetFlags , GadgetFlagSet , NewWindow ;
```

```
FROM GraphicsD IMPORT
  ViewModeSet ;
```

---

```
CONST
workbenchName="workbench.library";

diskMagic=0E310H;
diskVersion=1;
diskRevision=1;

gadgetBackFill= GadgetFlagSet {gadgHBox};

noIconPosition=MIN(LONGINT);

TYPE
  WBArg =RECORD
    lock: FileLockPtr ;
    name:ADDRESS
  END;
  WBArgPtr =POINTER TO  WBArg ;

  WBArgumentsPtr =POINTER TO ARRAY [0..255] OF  WBArg ;

  WBStartup =RECORD
    message: Message ;
    process: MsgPortPtr ;
    segment:BPTR;
    numArgs:LONGINT;
    toolWindow:ADDRESS;
    argList: WBArgumentsPtr ;
  END;
  WBStartupPtr =POINTER TO  WBStartup ;

  FreeList =RECORD
    numFree:INTEGER;
    memList: List
  END;
  FreeListPtr =POINTER TO  FreeList ;

  OldDrawerData =RECORD
    newWindow: NewWindow ;
    currentX:LONGINT;
    currentY:LONGINT;
  END;
  OldDrawerDataPtr =POINTER TO  OldDrawerData ;

  (*36*) DrawerData =RECORD
    newWindow: NewWindow ;
    currentX:LONGINT;
    currentY:LONGINT;
    flags:LONGSET;
    viewModes: ViewModeSet
  END;
  (*36*) DrawerDataPtr =POINTER TO  DrawerData ;

CONST
oldDrawerDataFileSize=SIZE( OldDrawerData );
drawerDataFileSize=SIZE( DrawerData );
```

---

```
TYPE
  WBOBJECTType = (
    wb0, disk, drawer, tool, project, garbage, device, kick, appicon
  );

  DiskObject = RECORD
    magic: CARDINAL;
    version: CARDINAL;
    gadget: Gadget ;
    type: WBOBJECTType ;
    defaultTool: ADDRESS;
    toolTypes: ADDRESS;
    currentX: LONGINT;
    currentY: LONGINT;
    drawerData: DrawerDataPtr ;
    toolWindow: ADDRESS;
    stackSize: LONGINT
  END;
  DiskObjectPtr = POINTER TO DiskObject ;

CONST
  amVersion = 1;

TYPE
  AppIconPtr ;

  AppMenuItemPtr ;

  MType = (
    mt0, pstd, toolExit, diskChange, timer, closeDown, ioProc
    , appWindow, appIcon, appMenuItem, copyExit, iconPut
  );

  AppMessage = RECORD
    message: Message ;
    pad0: SHORTINT; (* Muss auf 0 gesetzt werden! *)
    type: MType ;
    userData: LONGINT;
    id: LONGCARD;
    numArgs: LONGINT;
    argList: WBArgumentsPtr ;
    version: CARDINAL;
    class: CARDINAL;
    mouseX: INTEGER;
    mouseY: INTEGER;
    seconds: LONGCARD;
    micros: LONGCARD;
    reserved: ARRAY[0..7] OF LONGINT;
  END;
  AppMessagePtr = POINTER TO AppMessage ;

  AppWindowPtr ;

END WorkbenchD.noimp
```

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