wb

COLLABORATORS

	TITLE : wb		
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REVISION HISTORY

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wb

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1.2 workbench.library/AddAppIconA

```
  NAME
AddAppIconA - add an icon to workbench's list of appicons.        (V36)

  SYNOPSIS
AppIcon = AddAppIconA(id, userdata, text, msgport,
   D0            D0     D1      A0      A1

        lock, diskobj, taglist)
         A2      A3        A4

struct AppIcon *AddAppIconA(ULONG, ULONG, char *,
  struct MsgPort *, struct FileLock *, struct DiskObject *,
  struct TagItem *);

Alternate, varargs version:
struct AppIcon *AddAppIcon(ULONG, ULONG, char *,
    struct MsgPort *, struct FileLock *,
    struct DiskObject *,
    tag1, data1,
    tag2, data2,
    ...
    TAG_END );

  FUNCTION
Attempt to add an icon to workbench's list of appicons.  If
```

successful, the icon is displayed on the workbench (the same
place disk icons are displayed).
This call is provided to allow applications to be notified when
a graphical object (non neccessarely associated with a file)
gets 'manipulated'. (explained later).
The notification consists of an AppMessage (found in workbench.h/i)
of type 'MTYPE_APPICON' arriving at the message port you specified.
The types of 'manipulation' that can occur are:
1. Double-clicking on the icon. am_NumArgs will be zero and
   am_ArgList will be NULL.
2. Dropping an icon or icons on your appicon. am_NumArgs will
        be the number of icons dropped on your app icon plus one.
        am_ArgList will be an array of ptrs to WBArg structures.
        Refer to the 'WBStartup Message' section of the RKM for more info.
3. Dropping your appicon on another icon. NOT SUPPORTED.

 INPUTS
id - this variable is strictly for your own use and is ignored by
     workbench. Typical uses in C are in switch and case statements,
     and in assembly language table lookup.
userdata - this variable is strictly for your own use and is ignored
     by workbench.
text - name of icon (char *)
lock - NULL   (Currently unused)
msgport - pointer to message port workbench will use to send you an
     AppMessage message of type 'MTYPE_APPICON' when your icon
     gets 'manipulated' (explained above).
diskobj - pointer to a DiskObject structure filled in as follows:
     do_Magic - NULL
     do_Version - NULL
     do_Gadget - a gadget structure filled in as follows:
   NextGadget - NULL
   LeftEdge - NULL
   TopEdge - NULL
   Width - width of icon hit-box
   Height - height of icon hit-box
   Flags - NULL or GADGHIMAGE
   Activation - NULL
   GadgetType - NULL
   GadgetRender - pointer to Image structure filled in as follows:
       LeftEdge - NULL
       TopEdge - NULL
       Width - width of image (must be <= Width of hit box)
       Height - height of image (must be <= Height of hit box)
       Depth - # of bit-planes in image
       ImageData - pointer to actual word aligned bits (CHIP MEM)
       PlanePick - Plane mask ((1 << depth) - 1)
       PlaneOnOff - 0
       NextImage - NULL
   SelectRender - pointer to alternate Image struct or NULL
   GadgetText - NULL
   MutualExclude - NULL
   SpecialInfo - NULL
   GadgetID - NULL
   UserData - NULL
     do_Type - NULL
     do_DefaultTool - NULL

```
        do_ToolTypes - NULL
        do_CurrentX - NO_ICON_POSITION (recommended)
        do_CurrentY - NO_ICON_POSITION (recommended)
        do_DrawerData - NULL
        do_ToolWindow - NULL
        do_StackSize - NULL


 (an easy way to create one of these (a DiskObject) is to create an icon
        with the V2.0 icon editor and save it out.  Your application can then
        call GetDiskObject on it and pass that to AddAppIcon.)

 taglist - ptr to a list of tag items.  Must be NULL for V2.0.

  RESULTS
 AppIcon - a pointer to an appicon structure which you pass to
     RemoveAppIcon when you want to remove the icon
     from workbench's list of appicons.  NULL
     if workbench was unable to add your icon; typically
     happens when workbench is not running or under low
     memory conditions.

  EXAMPLE
 You could design a print-spooler icon and add it to the workbench.
 Any file dropped on the print spooler would be printed.  If the
 user double-clicked (opened) your printer-spooler icon, you could
 open a window showing the status of the print spool, allow changes
 to print priorities, allow deletions, etc.  If you registered this
 window as an 'appwindow' (explained in workbench.library AddAppWindow)
 files could also be dropped in the window and added to the spool.

  SEE ALSO
 RemoveAppIcon()

  BUGS
 Currently Info cannot be obtained on appicons.
```

1.3 workbench.library/AddAppMenuItemA

```
  NAME
 AddAppMenuItemA - add a menuitem to workbench's list              (V36)
                        of appmenuitems.

  SYNOPSIS
 AppMenuItem = AddAppMenuItemA(id, userdata, text, msgport, taglist)
 D0            D0      D1      A0      A1        A2

 struct AppMenuItem *AddAppMenuItemA(ULONG, ULONG, char *,
        struct MsgPort *,
        struct TagItem *);

 Alternate, varargs version:
 struct AppMenuItem *AddAppMenuItem(ULONG, ULONG, char *,
       struct MsgPort *,
       tag1, data1,
       tag2, data2,
```

```
        ...
        TAG_END );
```

  FUNCTION
Attempt to add the text as a menuitem to workbench's list
of appmenuitems (the 'Tools' menu strip).

  INPUTS
id – this variable is strictly for your own use and is ignored by
      workbench. Typical uses in C are in switch and case statements,
      and in assembly language table lookup.
userdata – this variable is strictly for your own use and is ignored
      by workbench.
text – text for the menuitem (char *)
msgport – pointer to message port workbench will use to send you an
      AppMessage message of type 'MTYPE_APPMENUITEM' when your
      menuitem gets selected.
taglist – ptr to a list of tag items. Must be NULL for V2.0.

  RESULTS
AppMenuItem – a pointer to an appmenuitem structure which you pass to
        RemoveAppMenuItem when you want to remove the menuitem
        from workbench's list of appmenuitems. NULL if
        workbench was unable to add your menuitem; typically
        happens when workbench is not running or under low
        memory conditions.

  SEE ALSO
RemoveAppMenuItem()

  BUGS
Currently does not limit the system to 63 menu items...
Any menu items after the 63rd will not be selectable.

1.4 workbench.library/AddAppWindowA

  NAME
AddAppWindowA – add a window to workbench's list of appwindows. (V36)

  SYNOPSIS
AppWindow = AddAppWindowA(id, userdata, window, msgport, taglist)
D0   D0   D1   A0   A1   A2

struct AppWindow *AddAppWindowA(ULONG, ULONG, struct Window *,
        struct MsgPort *, struct TagItem *);

Alternate, varargs version:
struct AppWindow *AddAppWindow(ULONG, ULONG, struct Window *,
        struct MsgPort *
        tag1, data1,
        tag2, data2,
        ...
        TAG_END);

  FUNCTION

Attempt to add the window to workbench's list of appwindows.
Normally non-workbench windows (those not opened by workbench)
cannot have icons dropped in them. This call is provided to
allow applications to be notified when an icon or icons get
dropped inside a window that they have registered with workbench.
The notification consists of an AppMessage (found in workbench.h/i)
of type 'MTYPE_APPWINDOW' arriving at the message port you specified.
What you do with the list of icons (pointed to by am_ArgList) is
up to you, but generally you would want to call GetDiskObjectNew on
them.

  INPUTS
id - this variable is strictly for your own use and is ignored by
     workbench. Typical uses in C are in switch and case statements,
     and in assembly language table lookup.
userdata - this variable is strictly for your own use and is ignored
     by workbench.
window - pointer to window to add.
msgport - pointer to message port workbench will use to send you an
     AppMessage message of type 'MTYPE_APPWINDOW' when your
     window gets an icon or icons dropped in it.
taglist - ptr to a list of tag items. Must be NULL for V2.0.

  RESULTS
AppWindow - a pointer to an appwindow structure which you pass to
     RemoveAppWindow when you want to remove the window
     from workbench's list of appwindows. NULL
     if workbench was unable to add your window; typically
     happens when workbench is not running or under low
     memory conditions.

  SEE ALSO
RemoveAppWindow()

  NOTES
     The V2.0 icon editor is an example of an app window. Note that app
     window applications generally want to call GetDiskObjectNew
     (as opposed to GetDiskObject) to get the disk object for the icon
     dropped in the window.

  BUGS
None

1.5 workbench.library/RemoveAppIcon

  NAME
RemoveAppIcon - remove an icon from workbench's list   (V36)
                    of appicons.

  SYNOPSIS
error = RemoveAppIcon(AppIcon)
     D0   A0
BOOL RemoveAppIcon(struct AppIcon *);

  FUNCTION

Attempt to remove an appicon from workbench's list of appicons.

```
 INPUTS
AppIcon - pointer to an AppIcon structure returned by AddAppIcon.

 RESULTS
error - Currently always TRUE...

 NOTES
As with anything that deals with async operation, you will need to
do a final check for messages on your App message port for messages
that may have come in between the last time you checked and the
call to removed the App.

 SEE ALSO
AddAppIconA()

 BUGS
None
```

1.6   workbench.library/RemoveAppMenuItem

```
 NAME
RemoveAppMenuItem - remove a menuitem from workbench's list      (V36)
        of appmenuitems.

 SYNOPSIS
error = RemoveAppMenuItem(AppMenuItem)
        D0                              A0
BOOL RemoveAppMenuItem(struct AppMenuItem *);

 FUNCTION
Attempt to remove an appmenuitem from workbench's list
of appmenuitems.

 INPUTS
AppMenuItem - pointer to an AppMenuItem structure returned by
        AddAppMenuItem.

 RESULTS
error - Currently always TRUE...

 NOTES
As with anything that deals with async operation, you will need to
do a final check for messages on your App message port for messages
that may have come in between the last time you checked and the
call to removed the App.

 SEE ALSO
AddAppMenuItemA()

 BUGS
None
```

1.7 workbench.library/RemoveAppWindow

```
 NAME
RemoveAppWindow – remove a window from workbench's list         (V36)
                           of appwindows.

 SYNOPSIS
error = RemoveAppWindow(AppWindow)
       D0                        A0
BOOL RemoveAppWindow(struct AppWindow *);

 FUNCTION
Attempt to remove an appwindow from workbench's list of appwindows.

 INPUTS
AppWindow – pointer to an AppWindow structure returned by
     AddAppWindow.

 RESULTS
error – Currently always TRUE...

 NOTES
As with anything that deals with async operation, you will need to
do a final check for messages on your App message port for messages
that may have come in between the last time you checked and the
call to removed the App.

 SEE ALSO
AddAppWindowA()

 BUGS
None
```

1.8 workbench.library/WBInfo

```
 NAME
WBInfo – Bring up the Information requrester                    (V39)

 SYNOPSIS
worked = WBInfo(lock, name, screen)
d0              a0    a1    a2

ULONG WBInfo(BPTR, STRPTR, struct Screen *);

 FUNCTION
This is the LVO that Workbench calls to bring up the Icon Information
requester.  External applications may also call this requester.
In addition, if someone were to wish to replace this requester
with another one, they could do so via a SetFunction.

 INPUTS
lock   – A lock on the parent directory
name   – The name of the icon contained within above directory
screen – A screen pointer on which the requester is to show up
```

  RESULTS
worked - Returns TRUE if the requester came up, FALSE if it did not.

  NOTE
Note that this LVO may be called many times by different tasks
before other calls return. Thus, the code must be 100% re-entrant.

  SEE ALSO
icon.library

  BUGS