DefIcon

COLLABORATORS

	TITLE : DefIcon		
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REVISION HISTORY

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DefIcon

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1.2   What is DefIcon?

DefIcon is a small commodity program which exploits many new features of
Workbench Two and above. By using the new Tools Application Menu DefIcon
allows you to create new Icons for any Project, Tool, Drawer or Trashcan
which do not have one already. It also allows you to overwrite the Icon's
current Image with the Default Image for that type.

How does it do this? One of the new, and most useful, features of the
Workbench 2+ is the 'Show All Files' option on the 'Window' Menu. This
option displays a user-defined default Image for any file which doesn't

have a .info Icon file. These Images are called Pseudo-Icons. DefIcon
simply takes any of these Pseudo-Icons selected and converts them into
real Icon files (ie. creates a .info file). If an existing Icon is also
selected then DefIcon will overwrite the Icon Image without destroying
useful information like the Icons position, any ToolTypes set etc.

                    How to create a new Icon for a file.

First of all you must run DefIcon. Make sure that the Commodity is set
to Active. See 'Running DefIcon' sections and 'The Commodity' for more
information.

Open the directory in which the file is contained. Click on the Window
and select 'Show All Files' from the 'Window' Menu. All files should now
be allocated a Pseudo-Icon. Select one or more Icons by clicking on them
(hold down the SHIFT key if you want to select more than 1). Now select
the 'Default Icon' Menu Item which will be in the 'Tools' Menu on the
Workbench Screen. All of the Pseudo-Icons will now be converted to real
Icons with .info files. Now select 'Show Only Icons' from the 'Window'
Menu and the Icons will remain. Good innit!?!

If the Pseudo-Icons failed to convert then an error must have occurred.
It may be a Write-protected disk for example. DefIcon switches System
Error Requesters. To find the reason open DefIcons Interface and retry.
The program should display an error in the Workbench Screens Title Bar.
See 'The Interface' and 'Trouble Shooting' for more information.

NOTE:
When creating a new Icon for the Trashcan, the drawer must be named
Trashcan. The name IS case sensitive.

1.3   PS #1

            Isn't it fun browsing through an AmigaGuide Document!?!

1.4   Running from CLI

                To run DefIcon from CLI just enter its filename with the full path ←
                    . The
program detaches itself from the CLI so that you can continue to use it
or close it down. Note if you run DefIcon again the original version
will display its interface and the new version will exit.

DefIcon uses Kickstart 2s ReadArgs() function to process the parameters.
To get a template type

    DefIcon ?

The following should appear in the CLI:
CX_PRIORITY/K/N,CX_POPKEY/K,CX_POPUP/K,ACTIVE/K,OVERWRITE/K,REQUEST/K:

These are the six parameters that can be used to control DefIcon. The

name of each parameter is given along with its type:

```
/K      Keyword          The name of the parameter must be entered before
                         the data. E.G. CX_POPUP=NO or CX_POPUP NO.
/N      Numeric          The data must be an integer. E.G. CX_PRIORITY=10.
```

CX_PRIORITY

Template: CX_PRIORITY/K/N=<priority>

Usage   :   Sets the Commodities Priority. If two Commodities share the
            same hotkey description then the Operating System notifies
            the Commodity with the highest priority.

Ranges :   -128..+127

Default :   CX_PRIORITY=0

CX_POPKEY

Template: CX_POPKEY/K=<hotkey description>

Usage   :   Sets the Commodities Popup Key (or Hotkey). The Popup Key is
            a combination of keys held down to make DefIcons Interface
            Window appear at the front of the screen.
            When setting the Popup Key remember to enclose the parameter
            in quotation marks (") if there are any spaces in it.
            See CX_PRIORITY.

Ranges :   See
                Setting The Popkey
                Default :   CX_POPKEY="control lalt d"

CX_POPUP

Template: CX_POPUP/K=<YES/NO>

Usage   :   Controls whether to show the Interface Window when DefIcon
            is started. DefIcon will by default Open the Interface when
            run. Set this to NO if you want it to stay hidden.

Ranges :   YES|NO

Default :   CX_POPKEY=YES

ACTIVE

Template: ACTIVE/K=<YES/NO>

Usage   :   Controls whether or not the Commodity should be active when
            DefIcon is started. If the Commodity is disabled then the
            Popup Key will be disabled. Also the Application Menu is
            disabled so you will not be able to use DefIcon until you

reactivate it. Set to NO if you want to deactivate it on
startup.

Ranges :   YES|NO

Default :   ACTIVE=YES

OVERWRITE

Template: OVERWRITE/K=<YES/NO>

Usage   :   Controls whether DefIcon is allowed to overwrite existing
            Icon files with the Default image. If you only want to use
            DefIcon to create new Icons for Pseudo-Icons, set overwrite
            to NO.

Ranges :   YES|NO

Default :   OVERWRITE=YES

REQUEST

Template: REQUEST/K=<NONE/ONCE/EACH>

Usage   :   Specifies your choice of confirmation requester.

Ranges :   NONE Set REQUEST=NONE if you want no confirmation requester
                  at all.

            ONCE Set REQUEST=ONCE if you want to a single YES or NO
                  confirmation requester when you select the menu.
                  You only get a single requester even if you select
                  multiple Icons.

            EACH Set REQUEST=EACH for a YES or NO requester for every
                  Icon file to be created/altered.

Default :   REQUEST=NONE

1.5   PS #2

 The secret of success is sincerity. Once you can fake that you've got it
                                 made!

1.6   **Running from WorkBench**

            To run DefIcon from WorkBench either double-click on its Icon or ←
                 place
the program with its Icon in the WBStartup directory of your Workbench

disk.

DefIcon recognizes the following ToolTypes:

CX_PRIORITY

Template: CX_PRIORITY=<priority>

Usage   :   Sets the Commodities Priority. If two Commodities share the
             same hotkey description then the Operating System notifies
             the Commodity with the highest priority.

Ranges   :   -128..+127

Default :   CX_PRIORITY=0

CX_POPKEY

Template: CX_POPKEY=<hotkey description>

Usage   :   Sets the Commodities Popup Key (or Hotkey). The Popup Key is
             a combination of keys held down to make DefIcons Interface
             Window appear at the front of the screen.
             When setting the Popup Key remember to enclose the parameter
             in quotation marks (") if there are any spaces in it.
             See CX_PRIORITY.

Ranges   :   See
                 Setting The Popkey
                 Default :   CX_POPKEY="control lalt d"

CX_POPUP

Template: CX_POPUP=<YES/NO>

Usage   :   Controls whether to show the Interface Window when DefIcon
             is started. DefIcon will by default Open the Interface when
             run. Set this to NO if you want it to stay hidden.

Ranges   :   YES|NO

Default :   CX_POPKEY=YES

ACTIVE

Template: ACTIVE=<YES/NO>

Usage   :   Controls whether or not the Commodity should be active when
             DefIcon is started. If the Commodity is disabled then the
             Popup Key will be disabled. Also the Application Menu is
             disabled so you will not be able to use DefIcon until you
             reactivate it. Set to NO if you want to deactivate it on
             startup.

```
Ranges  :   YES|NO

Default :   ACTIVE=YES


OVERWRITE

Template:   OVERWRITE=<YES/NO>

Usage   :   Controls  whether  DefIcon  is allowed to overwrite existing
            Icon  files with the Default image.  If you only want to use
            DefIcon to create new Icons for Pseudo-Icons,  set overwrite
            to NO.

Ranges  :   YES|NO

Default :   OVERWRITE=YES


REQUEST

Template:   REQUEST=<NONE/ONCE/EACH>

Usage   :   Specifies your choice of confirmation requester.

Ranges  :   NONE  Set REQUEST=NONE if you want no confirmation requester
                  at all.

            ONCE  Set REQUEST=ONCE  if  you  want  to a single YES or NO
                  confirmation requester when you select the menu.
                  You  only  get  a  single requester even if you select
                  multiple Icons.

            EACH  Set REQUEST=EACH  for a  YES or NO requester for every
                  Icon file to be created/altered.

Default :   REQUEST=NONE


DONOTWAIT

Template:   DONOTWAIT

Usage   :   This  is a Workbench Startup ToolType.  This tells Workbench
            not  to  wait until DefIcon finishes running and to continue
            with the  rest of startup. This ToolTypes MUST be present.

Ranges  :   N/A

Default :   N/A


STARTPRI

Template:   STARTPRI=<priority>

Usage   :   Another  Workbench ToolType.  This tells the Workbench which
```

order to launch programs in WBStartup. The program with the
highest start priority value (STARTPRI) is run first. This
is included here so that you can force other programs that
create an Application Menu Item to run in a specific order
so that the Menu Items are always in the same order.
This is a Workbench ToolType so ALL programs will use it.

Ranges :   -128 to +127

Default :   STARTPRI=0

1.7 The Commodity

DefIcon is a Commodity. Using the Commodity and the Exchange ←
program you
are able to control DefIcon. When the Exchange Interface is opened you
will see a list of Commodities, four control buttons and some space for
information.

Find DefIcon in the list and select it. You should see some information
about Deficon and its purpose appear. The four control buttons allow you
to control DefIcon. The buttons are:

Show Interface   Brings up DefIcons interface.
                       This does exactly the same as pressing the
                       Popkey combination.
                       If the interface is hidden behind other windows
                       then it will be brought to the front.
                       See:
               The Interface
               Hide Interface   Closes the interface if it is open. This ←
          is the
                       same as clicking on Hide or the Close Gadget in
                       the interface window.
                       NOTE: This does not quit the program.

Active|Inactive   The Cycle Gadget allows you to enable or disable
                       DefIcon. When Disabled you cannot use the Popkey
                       combination to show the interface. When disabled
                       selecting the Menu Item will do nothing.

Remove   This will quit DefIcon completely. You can also
                       use the Quit button in the interface window.

1.8 The Interface

The interface allows you access to DefIcons preferences. The ←
interface
contains 7 buttons:

Overwrite   This is a checkbox button. When activated a check mark
                 (tick) will appear in the box. This option specifies
                 whether DefIcon should overwrite existing Icon (.info)
                 files with a default image. If the option is active (ie.
                 the box contains a check mark) then Icon files will be
                 overwritten. The default is active and can be set with
                 the OVERWRITE tooltype/parameter.

Active   This is also a checkbox button. This option toggles the
                 status of the program between active (when the box is
                 checked) or inactive (when the box is empty). If set to
                 inactive the Commodity is disabled so you cannot use the
                 Popkey or the Application Menu Item. You can also toggle
                 this option with Exchange (see
                 The Commodity
)
                 The default is active and can be set at startup with the
                 ACTIVE tooltype/parameter.

Request   The confirmation request option is set with one of three
                 radio buttons. When a new button is selected the others
                 are automatically de-selected so that only one option
                 can be set. The requester option controls the extent of
                 the confirmation requesters. Confirmation requesters
                 appear when DefIcon creates (or overwrites) an Icon. The
                 option is set with the REQUEST tooltype/parameter and
                 the choices are:

                     Request None   Turns off the confirmation requesters
                                     completely. This is the default setting
                                     and can be set with REQUEST=NONE
                     Request Once   Brings a single requester up when the
                                     Menu Item is selected stating the number
                                     of Icons selected. Click Yes to continue
                                     or No to cancel. This can be set with
                                     REQUEST=ONCE
                     Request Each   Brings up a separate requester for every
                                     Icon it creates or overwrites. The name
                                     of the Icon file is displayed. Click Yes
                                     to continue or No to skip the Icon. This
                                     can be set with REQUEST=EACH

Hide   This button closes the interface. The program is still
                 running. You can use the Popkey to open up the interface
                 if the Commodity is active.

Quit   This quits the program and removes the Commodity. The
                 interface is removed if it is open.

1.9   PS #3

 This page is the winner of the 'Creative Use Of A Blank Page 1994 Award'

1.10   Setting the Popkey

The Popkey (or Hotkey) is used to either open a closed interface or to
bring an open interface to the front of the screen. The popkey is a set
of keys which must be held down together. To set DefIcons Popkey use the
CX_POPKEY=<Popkey description> parameter/tooltype.

The description can contain the following keys:

```
F1-F10                     Function keys
Typewriter area key        Any  letter,  number or symbol etc.  MUST be
                           preceeded by a qualifier key:


Shift                      Either shift key
LShift                     Left Shift key only
RShift                     Right Shift key only
Alt                        Either Alt key
LAlt                       Left Alt key only
RAlt                       Right Alt key only
LAmiga                     Left Amiga Key
RAmiga                     Guess!!
Control                    The CTRL key
CTRL                       The CTRL key (Kickstart 3+ only)
Numericpad                 Numeric key - The keypad key must be pressed
                                          The  same  number key from the
                                          typewriter  area will not count

E.G.

Numericpad 5               5 key from the Numeric keypad
CTRL a                     CTRL key and 'a' pressed together
F10                        The F10 key
```

1.11   Trouble Shooting

```
Problems With DefIcon

A) When trying to create an Icon, nothing happens.

   Make sure  that the Commodity is Active.  If the Commodity is Active
   then  bring up the Interface and try again.  If it still fails there
   should be an error message in the Workbench Screen Title Bar.
   See below for messages.

B) When trying to change an existing Icon, nothing happens.

   Make sure  that the Commodity is Active.  If the Commodity is Active
   then  bring up the Interface.  Ensure that Overwrite mode is enabled
   and try again. If it still fails there should be an error message in
   the Workbench Screen Title Bar.
   See below for messages.

C) The Hotkey doesn't work.
```

Firstly show the Interface with Exchange. Ensure that the Commodity
is active. If it is active then check the hotkey description in the
Interface Title Bar (in brackets). If this is correct then there may
be a program running with a higher priority which is getting the key
first. Try another Hotkey.

D) When using DefIcon from the WBStartup Drawer the Workbench puts up an
annoying requester stating that DefIcon hasn't returned.

Simply add the ToolType DONOTWAIT to the list of ToolTypes.

Common Error Messages

Message   Meaning

disk is write-protected   The disk containing the Icon is protected.
                                 Unprotect the disk and try again.

object not found   DefIcon could not find the Icon file.
                                 Check that the disk is in the drive. The
                                 program switches off System Requesters so
                                 you will not be asked to insert the disk.

object protected from   The Icon file has been delete protected.
deletion   Select the Icon and use 'Information' to
                                 alter the protection. Refer to your
                                 Workbench manual for further details.

overwrite disabled   You tried to overwrite an existing Icon
                                 with overwrite mode switched off.

1.12 Credits

Design: Chris Hurst.
Code: Chris Hurst.
Except for Launching Routine: David Boucher.

Hello to: Bouch, Steve and Dave!
Thanks: David Boucher for help/code bits!

DefIcon is written in DICE C. Thanks to Matt Dillon and Amiga Shopper
for their book offer.

1.13 History

DefIcon Version History

Version 0.1 (15.1.94)

Appmenu added to give default icon to existing or pseudo icons.
Commodity added so that the program can be REMOVEd with exchange.
CX_PRIORITY tooltype added but no hotkey given yet.

Version 0.2 (17.1.94)

Enable/Disable added so that the program can be switched off when not
used to avoid selecting it by accident.

Version 0.3 (18.1.94)

ACTIVE tooltype added so that the program can be started up in disabled
mode.

Version 0.5 (1.2.94)

Version 0.4 missed out due to complete stuff up of the interface.
Somewhere I introduced a bug which crashed Workbench when the program
closed down. I couldn't find the cause so have gone back to Version 0.3
and started again. So what's new?

Requesters added to ask you to confirm adding/altering an icon. They can
be switched off completely, only occur once when you first select the
menu item or confirm every icon it is going to change.

REQUEST tooltype implemented (REQUEST=NONE/ONCE/EACH) so that DefIcon
will ask you before adding/altering an icon.

OVERWRITE tooltype added so that you can force DefIcon not to write over
existing icons if you don't want to ever alter existing images. The
interface will allow you to toggle this so it is wise to start up with
OVERWRITE=NO set and toggle it when an existing icon needs changing.

Hotkey added. Interface added. CX_POPKEY, CX_POPUP tooltypes added.

Interface Window now re-opens in its last position when Show Interface or
Hotkey used.

System requesters removed so that if an icon is selected from any disk
that has been removed the "Insert Volume..." requester will not appear.

Version 0.6 (2.2.94)

More things to go wrong added. CLI argument processing added (using
ReadArgs()). Parameters are:

CX_PRIORITY,CX_POPKEY,CX_POPUP,ACTIVE,OVERWRITE,REQUEST. The keyword HAS

TO be given e.g. CX_POPKEY=f9 ACTIVE=no request=None.

Type DefIcon ? for a template.

Version 1.0 (4.2.94)

Tidied up Interface, fixed bug in CLI processing.

Version 1.1 (5.2.94)

Rewrote interface to include HIDE & QUIT gadgets and an Active Checkbox
gadget. Set new default for hotkey as the last one wouldn't work with
Kickstart 2! (It used ctrl instead of control).

Version 1.2 (13.3.94)

Fixed possible bug when clearing up any messages left in ports.

Put in standard dos error messages which appear in the WorkBench Screen
Title if the DefIcon Interface is open so you can see why the program
failed to do something.

Version 1.3 (29.5.94)

Fixed a very stupid bug. I cannot believe I was such a complete berk!!!
When Enabling/Disabling the Commodity I was redrawing the window.   Even
if it was closed!! Which caused a spectacular crash. As you can see, it
has taken me two months to spot it! (oh dear!)

Version 1.4 (12.6.94)

Added new Icon Type (Garbage).
Existing Garbage Icons can be overwritten. Creating new one is described
below:
Create a Drawer named Trashcan (case sensitive). Select this and choose
Default Icon from the 'Tools' menu. This should now become a real, fully
functional Trashcan!

Version 1.5 (2.9.94)

CLI launch routine fiddled to stop potential crash.

Version 1.51 (17.9.94)

Active Gadget and Commodity got out of sync as the Gadget wasn't updated
unless the window was open! Fixed that! Stupid bug anyway!
Added a couple of Error Messages for something or other. Oh I can't be
bothered. Nothing major, just tidying up a bit.


```
Version 1.52 (28.10.94)

BUG FIX: Problem when DrawInfo changed, DefIcon used the drawinfo from when
it was run. Now gets it just before it opens the window!
------------------------------------------------------------------------
NOTE: THERE WILL BE NO MORE UPDATES OF DEFICON! I'VE HAD ENOUGH!!
------------------------------------------------------------------------
```

1.14 Copyright and Disclaimer

```
                                DefIcon

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costs of duplication.

You  may not modify,  disassemble or decompile the program in whole or in
part.

All files listed below *MUST* be included when distributing the program:

DefIcon        (Program File)
DefIcon.guide  (AmigaGuide Document)


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