

**Deflcon**

COLLABORATORS

	TITLE : DefIcon		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY		November 24, 2024	

REVISION HISTORY

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# Chapter 1

## Deflcon

### 1.1 Deflcon V1.52 ©1994 Chris Hurst

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DefIcon
Copyright 1994 Chris Hurst

What is DefIcon
Running from CLI
Running from WB

The Commodity
The Interface
Setting The Popkey
Trouble Shooting

Credits
History
Copyright/Disclaimer
```

### 1.2 What is Deflcon?

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.

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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

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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 deletion	The Icon file has been delete protected. 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

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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.  
-----  
-----

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#### 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.

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#### 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!

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NOTE: THERE WILL BE NO MORE UPDATES OF DEFICON! I'VE HAD ENOUGH!!

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## 1.14 Copyright and Disclaimer

DefIcon

DefIcon and the supplied documentation are copyright ©1994 Chris Hurst. You are free to duplicate and distribute the program and documentation as long as you do not make a profit from doing so. You may charge for the costs of duplication.

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

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

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

DefIcon ©1994 Chris Hurst

#### Disclaimer

The author takes no responsibility for any loss or damage caused to data or equipment which may have been caused directly or indirectly by the use of the accompanying software.

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