

CloseWbPatchE

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COLLABORATORS

	<i>TITLE :</i> CloseWbPatchE		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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Chapter 1

CloseWbPatchE

1.1 CloseWbPatch. To control the CloseWorkbench function.

```
* * * * *
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* * * * *
* * * *
* * * * * Doc of CloseWbPatch v1.1 *
* * * * *
* * * * *
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* *
* * * * *
```

If you don't understand any word in this doc, click the [Help](#) button.

CloseWbPatch is distributed in Freeware. To get informations about "Freeware",
read the [About](#) part of this guide.

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1.2 Description.

=== Description =====

CloseWbPatch is a patch of the intuition.library/CloseWorkbench() function. This function closes the workbench screen if possible in order to spare memory, specially chip memory. But the way this function is implemented has many disadvantages. For example, the user can't choose if he want to close the workbench. And if the workbench screen has opened windows, the screen won't be closed, even if the user wanted it...

This patch is a very small tool (about 1ko) that display a requester asking the user if he want to close the workbench screen, when a tool tries to close it. It can be enabled or disabled simply by rerunning it.

1.3 Necessary material.

=== Necessary Material. =====

- An Amiga running AmigaOS system software. (This patch won't run on an emulated Macintosh, PC, atari, C64, Sinclair, HP48 or Unix system... :-)
- exec.library V36 (contained in release 2.0 of AmigaOS)
- intuition.library V36 (contained in release 2.0 of AmigaOS)
- some Ko of free RAM... (stack, program code, etc...)

1.4 The boring stuff of each program release...

=== About ? =====

The rights I reserve on this program, the doc and the source code:

=====

CloseWbPatch is distributed as FreeWare, which means that you could copy it freely, while the executable, the doc file and the source code are included in original and unmodified form. If you have propositions for the program or the source code, simply contact me.

Here's the list of the package content:

- | | |
|----------------------------|---|
| - CloseWbPatchE | english version of the patch (executable) |
| - CloseWbPatchF | french version of the patch (executable) |
| - CloseWbPatchD | german version of the patch (executable) |
| - CloseWbPatchE.guide | An AmigaGuide english doc file. |
| - CloseWbPatchE.guide.info | Icon for the english AmigaGuide doc file. |
| - CloseWbPatchF.guide | An AmigaGuide french doc file. |
| - CloseWbPatchF.guide.info | Icon for the french AmigaGuide doc file. |
| - CloseWbPatch.s | Assembly source code of CloseWbPatch v1.0 |
| | (for DevPac 2.15, found on the cover-disk |
| | of an issue of the magazin AMIGA-FORMAT) |

The filenames of the package must not be modified.

Program's warranties:

=====

If you want a warranty, I suggest you to buy a vaccum-cleaner :-)

Althouth all the care I've taken and intensive tests of this program everytime during programming, I could not guarantee that it has no bug. As user, you assume entirely all the risks (direct or undirect) encoured by using this program. (Remember: even the programmers of commercial products assume no risks !)

Known Bugs:

=====

Actually, there isen't any. But:

- * The program WordWorth4SE calls the CloseWorkbench() function twice... So the request asking if you want to close the Workbench appears twice simultanously...
- * A friend told me that Sim City could crash when CloseWbPatch is active. He did me a demo. But I really think that Sim City is very bad programmed. It totally trashes the workbench display... And don't forget: it's only a game.

Bug report:

=====

If a bug appears, you should (moral obligation) warn me of the problem so that I could remove it to protect other users from problems. In this case, give me a complete description of the problem with the most possible details.

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Switzerland

1.5 How to use it ? - Easily !

=== Usage =====

StartUp:

=====

As I hate the automated installation scripts, I haven't done any and the tool must be installed manually:

Rename the file "CloseWbPatchE" as "CloseWbPatch" and copy it into the

directory you want, mainly "c:"

If you want to start it automatically at bootup, add the following line into the file "s:User-StartUp":

```
--> Run >NIL: CloseWbPatch
```

You could do it with a text editor or by executing the following command in a Shell:

```
--> Echo >>s:User-StartUp "Run >NIL: CloseWbPatch"
```

By this way, CloseWbPatch will be active everytime you start the computer.

To desactivate (but without removing it) the patch, simply rerun it. A request appears to indicate the activation state of the patch.

Patch activity:

=====

Here's the patch activity in pseudo-language.

When a program calls the intuition.library/CloseWorkbench() function:

```
pop the workbench screen to front
display a request asking the user whether he want to close the screen
IF the user answers "Don't close" THEN
    tell the program that the screen can't be closed
ELSE
    REPEAT
        try to close the screen
        IF the screen is closed THEN
            tell the program that the screen is closed
        ELSE
            display a request asking the user whether he want to retry
        END IF
    UNTIL the user selected "Cancel" OR the screen is closed
END IF
```

1.6 Some things to know...

=== Notes =====

For security purpose, the patch is never removed. Because it's unsafe to unpatch a function and to restore the original vector. But when the patch is disabled, the CloseWorkbench() function will work like originally.

Since the intuition.library/CloseWorkBench() function is done to spare memory, you can for example quit several programs and kill some commodities before closing the screen.

1.7 Some projects...

=== To Do =====

Here's a list of things that I could do for the next version. I don't guarantee that I would make these, nor that there will next version of the program. It's useless to contact me to propose things that are already in this list.

- Possibility to run a command before closing the screen.
- Do several version for other languages. If you want to have a translation, send me the translations by E-mail or Snail-mail. They will be included in the next versions (localisation would take to much
- Commodity Installable. (To disable and enable it with Commodities Exchange)

1.8 Special terms definition...

=== Help =====

Bug: In computer-science: programming error of software that usually cause a system to crash.

exec.library: The lowest-level function library of the Amiga operating system. For multitasking, memory management, alerts, bootup, low-level standard input/output, device management, autoconfig, communication protocol beetwen tasks, shared library access function, resident modules (code or datas), reset resistant modules (code or datas), mounting of peripherals (reals or virtuals), dynamic memory allocation, dynamic creation of code modules and tasks, shared library function patches.

FreeWare: For software: free software but not public domain. The software can be freely distributed when the files aren't modified in any way. The author of such software retain all his rights but doesn't ask for money.

intuition.library: A middle-level library of the AmigaOS. Is used for screens and windows refresh, request, graphic user interface images, mouse pointer, preferences management, gadgets and menus drawing, communication protocol for window events...

Patch: In computer-science: modify a procedure (or function) to do another effect. A patch can always be dangerous if low-level function are modified. A patch is usually done to improve a procedure, to solve a bug or to do some special things.

pseudo-language: A structured way of describing a software. Pseudo-language

is not formal which is a big advantage for understanding an algorithm. It's designed to replace Jackson or GNS structograms because they need to much drawing.

1.9 History.

=== History =====

Version 1.0:

- * first release

Version 1.1:

- * Bug corrected. CloseWbPatch could crash when runned twice from workbench: CloseWbPatch is now a CLI only utility. (if runned from wb, it will quit without doing anything)
- * Added french & german version of the executable.
- * History created.
- * Added version string.
- * The name of the task which closes the wb is now displayed in the request.
- * The contents of the requests are now clearer.

1.10 Rapid overview.

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