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REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

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1.1 Preliminary

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                         NoDelete 1.10

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1.2 Introduction

NoDelete purpose is to offer a global trashcan to the system. ↩
This means
that when a file is asked to be deleted, it is moved to a special directory
rather than being deleted, so giving you a chance to get back the data if
you discover later that you need it.

Because NoDelete replaces the "delete" function of AmigaDOS, it will work
for ANY delete request, from ANY program you use. The program is
automatically declared as a Commodity, and also has an AREXX port.

NoDelete is fully configurable (see the
                    Arguments
                    section) and
installation is very easy: you just have to copy the program in the
WBStartup directory of your boot partition, and to check the program
arguments. Then NoDelete will be automatically started next time you will
boot your Amiga.

1.3 Distribution

This program is made available to you as a freeware program. Without my
written authorization, any commercial usage or selling is forbidden. You can
copy and spread this program under the following conditions:

  1. All the files must be provided
  2. No file has been modified, in any way
  3. You can't ask for more than $5 for this

In spite of several tests, no warranty is made that there are no errors in
NoDelete. YOU USE THIS PROGRAM AT YOUR OWN RISK. In no event I shall be
liable for any damage, direct or indirect, resulting of the use of NoDelete.

Because AmigaOS does not offer a function able to patch a dos.library
vector, NoDelete has to do this by it's own. Although this is done in the
cleanest possible way, some future version of the system may forbid such
manipulation. Note that this program is compatible with AmigaOS release 3.5

1.4 Arguments

The list of possible NoDelete arguments is shown below. For each argument,
the first line shows the Shell syntax, while the second one shows the Tool
Types syntax.

CR=CONFIRMBYREQ/S
CONFIRMBYREQ
    If this argument is specified, you will be asked what to do when a file
    is larger than the CONFIRMSIZE limit: either to delete the file, or to
    move it to the trashcan anyway. If this argument is not specified, the
    file will be deleted without warning (default behaviour).

CS=CONFIRMSIZE/K size
CONFIRMSIZE=size
    Specifies the maximal size (in bytes) of files to move to the trashcan:
    files below this limit will be moved, files above will be deleted (with
    or without confirmation, see CONFIRMBYREQ above). Default value is
    131072 bytes (128 KBytes).

CXK=CX_HOTKEY/K hotkey
CX_HOTKEY=hotkey
    Specifies the Commodity's hot key. Default value is "ctrl lalt del".
    This argument is quite useless for this version.

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CXP=CX_PRIORITY/K/N priority
CX_PRIORITY=priority
    Specifies the Commodity's priority. Default value is 0. This argument is
    quite useless for this version.

LF=LOGFILE/K filename
LOGFILE=filename
    Specifies the name (with path) of the optional NoDelete's logfile. If
    the argument is specified, the file will be used to log details about
    the program options and results of the trashcan checking.

MD=MAXDAYS/K/N days
MAXDAYS=days
    Specifies the maximal age (in days) of files in the trashcan. Older
    files will be definitively deleted each time the trashcan is checked.
    Default value is 30 days.

MS=MAXSIZE/K/N size
MAXSIZE=size
    Specifies the maximal size (CAUTION: in mega-bytes !) of each trashcan
    directory. Each time the trashcan is checked, files in the directory
    will be definitively deleted, from the older to the newer, to lower the
    directory size to this limit. Default value is 1 MByte.

REXXPORT/K name
REXXPORT=name
    Specifies the name of the AREXX port to open. Default value is
    "NoDelete".

TD=THRASHDIR/K directory
THRASHDIR=directory
    Specifies the name of the trashcan directory, where deleted files will
    be stored. Default value is "SuperThrashcan". Take care that the
    trashcan directory is considered to belong to NoDelete: never copy a
    file to this directory by yourself, because it might be deleted whithout
    warning. You may however delete one or several files in a trashcan
    directory, if you want to. But note that these files will be
    definitively lost.
    You can specify either a basic directory name (like "MyThrashcan") or a
    full qualified name (like "Tmp:LastChance"). In the first case, one
    trashcan directory will be created on every writable DOS partition. In
    the second case, there will only be a single trashcan directory for all
    your disk partitions.
    Take care that the single trashcan mode can have a dramatic effect on
    performances, because each deleted file will have to be copied from the
    original partition to the one where the trashcan is located.

XP=XPATTERNS/K patterns
XPATTERNS=patterns
    Specifies a list of patterns of filenames that will never be moved to
    the trashcan, but immediatly deleted. This is useful, for instance, to
    prevent temporary files to fill up the trashcan. It is also possible to
    exclude a complete directory or partition. Default value is an empty
    pattern (no exclusion).
    You can specify as many patterns as you like, using a comma as a
    separator. For example, an argument value of "#?.o,Tmp:#?" specifies
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that files which name end by ".o" or which are located on the "Tmp:"
partition must not be moved into the trashcan.
If you specify a volume name, take care to use the "logical" volume name
as it appears on the Workbench screen and not the "physical" name (unit
name shown by the "Info" command). For instance, write "Ram Disk:"
instead of "ram:", or "Work:" instead of "HD1:".

1.5 How does it work ?

Each time NoDelete is started, the trashcan directories are ←
checked: files
older than the MAXDAYS parameters are deleted. Then, if any trashcan
directories is larger than the MAXSIZE parameter, files are deleted (from
the older to the newer) until the size of the directory is below the limit.

Once the trashcan checking is finished, the Delete() vector of the
dos.library is patched so that not only the Workbench, but any program you
use, will call NoDelete to remove files.

A file will be immediatly deleted if:

- NoDelete has been disabled (see the
                Program control
                section)
- it is already located in a trashcan directory
- it's name matches one of the patterns specified by the XPATTERNS parameter
- it's size is above the CONFIRMSIZE parameter (and the user as agree to
  delete the file if the CONFIRMBYREQ parameter has been specified)

Otherwise, the file will be moved to the trashcan, from where you will be
able to recoved it later if you need. Files will be stored with their
original names (so that you can find them easily) and with a comment giving
their original location.

1.6 Program control

Because NoDelete automatically declares itself as a Commodity, you can
control the program using any commodity handler like "Exchange" and:

- terminate the program ("Remove" button of the Exchange utility, this is
  equivalent as sending a CTRL-C break to the program)
- temporarily disable the program ("Disable" toggle of the Exchange utility)
- re-activate the program ("Enable" toggle of the Exchange utility)

CAUTION : as soon as you terminate or disable NoDelete, files will be
actually deleted and not moved to the trashcan anymore.

NoDelete also automatically opens an AREXX port named "NoDelete" (this name
can be changed using the REXXPORT argument) that accepts the following
commands:

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QUIT
    Terminate the program.

DISABLE
    Temporarily disable the program.

ENABLE
    Re-activate the program.

GETSTATE
    Return 0 if the program is currently enabled, 5 if it has been disabled.

DELETE files...
    Delete the specified file  or  files  (CAUTION:  the  files  are  really
    deleted, not moved to the trashcan !). You can specify as many files  as
    you want. Patterns (like "ram:fil#?") are not allowed. You must  provide
    fully qualified filenames (for example  "ram:mydir/tmp/foo"  instead  of
    just "foo") and use quotes  or  double-quotes  around  names  containing
    spaces (for example "ram disk:file"). The return code will be 0  if  all
    the files were successfully deleted, or 5 if at least one file  couldn't
    be deleted.
```

If an unknow command is received, or if some error occured (not enough
memory or the like), you will get a return code equal to 10 or 20.

1.7 Author

NoDelete was written in C++ by:

```
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```

Don't hesitate to send me your comments or suggestions.

1.8 Program history

v0.00, 21-Aug-99, 31568 bytes
– First released beta version

v1.00, 28-Nov-99, 39356 bytes
- Is now a Commodity and has an AREXX port
- Renamed from SuperDelete to NoDelete
- Bug fixed: couldn't handle a space character in a tool types value
  (XPATTERNS for example)
- Bug fixed: didn't always set the DOS error code properly, so the caller
  knew that deletion failed but couldn't tell why

v1.10, 04-Jan-00, 39624 bytes
- Creates the files in the trashcan with the same protection bit as the
  original files
- Removes a partially copied file in the trashcan, when the copy fails
- The length of XPATTERNS, LOGFILE and THRASHDIR arguments is now unlimited
  from NoDelete's point of vue (the Shell or the Workbench may have some
  limit here)
- Added a few precisions in the documentation