07f1dd60-6

Daniel Schulz

COLLABORATORS

	TITLE : 07f1dd60-6		
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Contents

Chapter 1

07f1dd60-6

1.1 DailyBackup V2.34 (C)1996 by Daniel Schulz.

```
                              DailyBackup V2.3

                 An AMPIRE-Product.




        Rules      ~~~~~~
          for distribution.



        What          ~~
          is it good for ?



        Requirements    ~
          of your system.



        Installation~~~~~
          of this program.



        Usage     ~~~~~~~~
          is very easy.




        Author~~~~~~~~~~~~
          for bugreports etc.



        Credits~~~~~~~~~~~
          are going to...



        History~~~~~ ~~~~
```

                    of this program.

                New~V2.32~- V2.34
                  in this release.

                        (C) Daniel Schulz 1996.

1.2   Rules for distribution for DailyBackup

                        DailyBackup V2.3 is freeware and freely distributable.

    I reject any liability or responsibility for damages to
    your equipment or software or any other consequences from
    the use of this program.

    Use it at your own risk ! :-)

    You can publish the program in pd-series if no money is
    taken for it. But it would be nice, if you could ask
    the
            author
             before publishing !

    Since version 2.0 the graphical user-interface is based
    upon MUI -MagigUserInterface- by Stefan Stuntz.
    Please read the ReadMe.mui included in this package !

1.3   What is DailyBackup good for ?

                        DailyBackup ist no common backup-software.

    All other bakup-programs are created to make a huge
    backup on a streamer or anything else.

    DailyBackup is created for those, who are
    dealing with permanently changing or new files.

    You can use DailyBackup to simply say, what
    directories or files you want to be controlled by
    DailyBackup, e.g. your sourcecodes, tables, high-
    scores etc. DailyBackup searches in these directories
    or files for new or changed files and stores them
    in the way you wanted automaticly.

    Of course you can select a packer of your own choice. You

can do this via a parser. For a full backup simply press
the button labeled
        All~files
          .

DailyBackup is a program to create a permanent
backup easyly.

1.4 Requirements for DailyBackup

                     Requirements for DailyBackup is OS 2.04,
a
        battery-buffered clock
         and MUI 3.1.

Tested on following AMIGA's: 1200-030-50/7
                              4000-030-25/6
                              4000-040-25/10.

(with OS 3.0, but there should be no problems with
release 2.04 at all. If you do have problems, write
to the
        author
          .

1.5 Usage

                   Usage of DailyBackup:

DailyBackup 2.32 supports bubble-help.
That's why we changed the usage-part of the
guide.

We included a step-by-step-introduction to
show all beginners how to use this program.

        Crash-course~   ~~~~
           Get to know the main-
                       functions & make your
                       first backup.

        Additional-functions
           about pattern, packer,
                       parser and much more.

```
                  Tips~&~Extras~~~~
                    CLI-usage, 'real'
                               backups and more.
```

1.6 Crash-course

```
                  Crash-course
```

Assuming you didn't save the preferences before:

1.   Choose the page 'Files'.

1.1. Add (use the 'add'-button ;) one ore more entries
     to the filelist. It can be a file, a path or a
     device.

     These entries will be scanned at a backup.

2.   Choose the page 'Strings'.

2.1. Select a destination of your backup.
     It's usefull to select the name of a disk ("Disk1")
     instead of the device-name ("df0") to avoid
     confusion.

3.   Go back to the page 'Backup'.

3.1. Click on 'Save date' to determine the time DailyBackup
     refers to in the next backup. (That means: All files
     that are changed or created after this time are saved
     in the next backup.)

3.2. Use 'Save prefs' to save all settings.

3.3. Push 'New files' to start backup.
     This function saves all files that are changed or
     created since the last backup.

     If you backup for the FIRST time all files will
     be saved. The following function would do the same:

3.4. Use 'All files' to start full backup.

     All files will be saved. The creation-time of the
     files will be ignored.

     It is possible to make a 'real' backup. Please
     refer to
             Tips~&~Extras
              .

3.5. With 'Files changed some time ago' you are able to
     backup all files that changed since a selectable time
     ago.

You can select minutes, hours or days. If you select
5 days, you would backup all files that changed
in the last 5 days.

If you want to compress your files, filter out some
files or make a multiple-backup please refer to

        Additional-functions
        .

1.7   Additional functions

                     Additional functions

    (Notice: Please use the hypertext-buttons in this
     text to get information about the functions)

    If You want to compress your backups, filter some
    files out or make a multiple-backup, You should
    read the follwing :

1.   Go to the 'Strings'-page.

1.1. Turn on 'Activate packer'.

    But that's not all. You also have to select the
    packer you want to use for the backup.

1.2. You can do this in the string-gadget below.
    The packer-parameters You'll find
          here
          .

    If you don't want to make that for yourself, You
    can also click on the
          PopUp
           to get
    some predefined entries for the packer. Click on
    'LHA into one file' to generate one big archieve
    including all files You backed up. Click on
    'LHA into separate files (no Dirs)' to compress all
    files separately. No directorystructure will be
    generated. A click on 'LHA into separate files (Dirs)'
    will do the same with creation of a directory-
    structure (That's my favourite mode).

1.3. On the same page You'll find the 'Global pattern'.
    With that stringgadget You can filter some useless
    files like '.info'-files. That pattern work's on
    all entries of the backup-list.

    The pattern is explained
          here
          .

1.4. On the same page You can find the Checkmark
     'No compression'. With that pattern you can
     define, what files do not need to be compressed,
     like '#?.lha' or '#?.jpg' files. The files matching
     that pattern will not be compressed, they will only
     be copied.

     For details to define this pattern see
          here
          .

2.   Now open the 'Files'-page.

2.1. Now let's come to the local pattern...

     Here You can enter a pattern for every single
     entry in the filelist. For instance '(#?.c|#?.h)'
     to backup only the .c and .h-files of your coding-
     directory.

     For further details look
          here
          .

2.2. Now it's time to explain a very usefull stringgadget.
     This gadget is called 'Extension' and i really love
     this function ;).

     With that stringgadget You can make a multiple-backup
     of files. With that function You are able to restore
     -for instance- the 8 last versions of Your coded
     sources or whatever You backup! The number of versions
     DailyBackup will create is definable (upto 62) !!!

     A detailed explanation how to use that 'extension'
     is given
          here
          .

3.   Now go to the 'Options'-page.

3.1. With the compression-limit-slider you can determine,
     what files will be compressed and what files will not.
     You only have to select th size of the files. All
     smaller files will not be compressed – they will
     only be copied.

3.2. The slider for the 'Taskpriority' is (i hope so)
     self-explaining.

3.3. 'Highest number is newest copy' will cause, that
     (if You use the multiple-backups) the file with
     the highest number is the newest file.
     Cause this is sometimes very difficult (renaming,
     deleting,...) it could take some more time than

```
        without that option.

3.4.  'Don't create name of volume' enales You to
      mirror Your hard-drive.

3.5.  'Show backup-statistics' shows a small statistic
      after every backup.

3.6.  'Detailled backup-status' shows a detailled status
      while the backup is running.


      Before i fall asleep i will go to bed and go on
      working tomorrow...

      ...with
            Tips~&~Extras
            !
```

1.8 Tips & Extras

```
                    Tips & Extras

  - It is possible to call DailyBackup from a shell
    with parameters (the main window won't appear in
    this case). So you can run this program via
    ToolManager or FKey or something like that.

    DailyBackup
          ALL
                  stores all files and
    DailyBackup
          NEW
                  stores all new/
                        changed files

    Parameters have to be uppercase !


  - Possibly DailyBackup later will support a
    timer-controlled backup. But you can use tools like Cron
    to control DailyBackup and make a backup for
    instance every 24 hours. (probably interesting for sysops,
    coders, and so on...)

  - How mentioned above, it is possible to make a full backup
    with the option
          All files
          .

  - With the
          pattern
           you can filter files with
    names, that match that pattern.(like '.info'-files)
```

- With the
        Extensions
         it is possible to backup
  a file, without overwriting a predefined number of old
  backup's of this file.

- Another possibility is to change normal (unpacked) files
  with the chosen
        Packer
         into packed files.

  With the option 'Don't create name of volume' you can
  mirror Your harddrive.

- If You backup a directory AND a file from the same
  directory separatly with an 'extension' you should
  filter this single file out to avoid double bakups.

- Another usage: converction of uncompressed files into
  compressed ones !

  You got more ideas to use DailyBackup ? Then please write
  to me ! I enjoy every reply ! Write to
        this
         smart
  boy ;)
  (Notice: The Guide is NOT witten by the coder...;)

1.9 Author of DailyBackup

                DailyBackup V2.3

                 written by:

                 Daniel Schulz ('DSh')
                      of
                    aMPIRe!

   (aMPIRe! is a group of friends who like the AMIGA)

    For bugreports or other messages please write to

          dschulz@informatik.tu-clausthal.de

   or non-email (takes a bit longer...):

                  Daniel Schulz

```
                  LeibnizStr. 20
              38678 Clausthal
                  Germany
```

1.10 Credits of DailyBackup

```
                  Credits for DailyBackup
```

```
Many thanks for supporting this project to following
people:
```

```
Gregor Franz        (`PSYBORG`)
```

```
      - AmigaGuide / BetaTesting / lots of ideas -
```

```
Thomas Prang
```

```
      - main idea -
```

```
Stefan Stuntz
```

```
      - MagicUserInterface -
```

```
Dietmar Eilert
```

```
      - GoldEd -
```

```
Eric Totel
```

```
      - MUIBuilder -
```

1.11 History of DailyBackup

```
              DailyBackup-History:
```

```
V 2.3     - Feb.96   Major-update,
      Click here
      !
```

```
V 2.2     - Okt.95   Major-update,
      Click~here
      !
```

```
V 2.1     - Sep.95   Major-update,
      Click~here
      !
```

```
V 2.0     - Aug.95   Major-update,
```

```
        Click~here
        !

  V 1.7e      - Aug.95   Incl. english version.

  V 1.7       - Aug.95   Statusview extended, code optimized
                         some minor changes

  V 1.6       - Aug.95   All windows with backfill
                         GUI changed a bit, mainwindow does not
                         appear when calling from shell with
                         parameters

  V 1.5       - Aug.95   Messagehandling improved, GUI
                         changed, info-requester added.

  V 1.4       - Aug.95   Requester is warning if you leave the
                         program with changed preferences.

  V 1.3       - Jul.95   Bugfixing:Handling of Sourcelist corrected.
                         Now shell-commands are supported.

  V 1.2       - Jun.95   Bugfixing: GUI didnt work exactly.
                         First distributed version.

  V 1.1       - Dez.94   Very first version for testing only.
```

1.12 Installation of DailyBackup

```
   Installation of DailyBackup V2.3:

   Please copy the directory DailyBackup to your harddisk.
   Now you can start the program with doubleclicking on it's
   icon or by calling it from a shell with parameters.
```

1.13 All files

```
   Saves ALL files selected in the list of sources.
   In this mode the creation-time will be ignored.

   With this function full backups are possible.
```

1.14 New files

```
   All new or changed files (since the last backup or
   since the time you pressed New date) will now be
   stored to Destination
```

1.15 Packer-arguments

DailyBackup's parser uses following parameters:

```
Parameter              Is replaced by...
-----------------------------------------
{Q},{q},{S},{s}        Name of Source

{P},{p}                Name of destination
                       (without creation of
                        directories)

{Z},{z},{D},{d}        Name of destination
                       (creation of directories)
```

The comand of the packer is exactly the same as you
wuold type in a shell.

The source and the destination should not be given
explicitly. (Except you want to create only one big
.lha-file)

- To create the structure of source-directories on the
  destination you should choose following command:

          LHA -xr r "{Z}.lha" "{Q}"

- To avoid creation of the structure of source-directories
  on the destination you should choose following command:

          LHA -xr r "{P}.lha" "{Q}"

- or, if you want a single .lha-file:

          LHA r <path+filename> "{Q}"

You have to fill out <path+filename> for yourself. The
stringgadget Destination is useless in this case.

The parameter {Q}, {Z} and {P} will be replaced for every
chosen file.

All parameters should be put into quotation marks like
this "{Q}" 'cause there could be spaces in the filenames.

To activate the packer click on 'Activate packer'.

1.16 Pattern

The pattern is an Amiga-DOS-pattern.
A few examples:

```
Gurke#?     - Names starting with 'Gurke' and any end

#?.Depp     - Names ending with '.Depp' and starting
              with anything

~(#?Murks)  - All names, not ending with 'Murks'

[A-C]#?     - All names, starting with A, B or C
              and ending with anything


Separator between different patterns is: '|' .

Invalid patterns will be ignored.

See also Amiga-DOS-Manual for details.
(Chapter 1-12 in the german edition)
```

1.17 History V2.0

```
DailyBackup V2.0-History:

V 2.0           - Aug.95   First MUI-release

V 2.01          - Aug.95   Creating source-directories
                           on destination

V 2.02          - Aug.95   Replaced MakeDir-command by
                           CreateDir of the DOS-library

V 2.03          - Aug. 95  Statusview changed and expanded
                           Bugfixing: changed prefs handled
                           wrong

V 2.04          - Aug. 95  pattern added, resulting: new
                           preferences-file
                           Bugfixing: sourcelistfuncion
                           and  1.start without prefs caused
                           a crash

V 2.05          - Aug. 95  Bugfixing of the pattern
                           Since version 1.7e the next
                           distributet version

V 2.06          - Sep. 95  Selection of packer simplified,
                           new parameter {P} or {p}
                           IMPORTANT: DailyBackup needs 8192 bytes
                           on the  stack
                           Bugfixing: Now DailyBackup quits from
                           anywhere when using Exchange to remove
                           DailyBackup.
```

1.18 History V2.1

```
DailyBackup V2.1-History:

V 2.1           - Sep.95    Support of locale-library
                            Englich intern, german catalog
                            provided.

V 2.11          - Sep.95    English guide now ready
                            a few minor changes.

V 2.12          - Sep.95    Statistics added, backup-window now
                            opens earlier and shows activities.

V 2.13          - Okt.95    Statistics-window improved (number
                            of files filtered out and a small gfx
                            added), code optimized
                            Bugfixing: Backup-efficiency was calcu-
                            lated wrong
                            Cancel-button did not react while
                            counting entries, sttistics appeared
                            when uitting backup

V 2.14          - Okt.95    New preferences-file (compatible to
                            future releases), pattern now for
                            each entry separatly.
                            Bugfixing: on 030-machines deletion
                            of the last entry caused a guru-medi-
                            tation...i finally removed that error !
```

1.19 New in this release

```
                    DailyBackup V2.32

- Now you'll need MUI 3.1 to run DailyBackup,
  because of the nice, new bubble-help.

- With the new function 'Files changed some time ago'
  you can save changed or created files, independent of the
  moment of the last backup.

- 'Global pattern' available for all filelist-
  entries.

- 'No compression' is a pattern to avoid compression
  of all files that match. (For instance '#?.lha' means: Do not
  compress lha-archieves, just copy them)

- 'Comp-limit' is a slider to select the minimum size
  to compress files.

- Use 'Don't create name of volume' to create a
  mirror of your hard-drive.
```

- Use 'Restart program after backup' to reopen the
  main-window of DailyBackup after a backup to make some
  more backups or to alter settings.

- GUI enhanced, bugs fixed, bubble-help implemented and
  therefore the guide has changed a little bit:
        Usage
                    DailyBackup V2.33 and V2.34

- Bugfixing: Refer to the
        History
            .

- Bugfixing: Refer to the
        History
            .
    (Concerning german user only)

1.20 Choose packermode

                    A popup-menu opens and you should select one out of
following compression-modes:

LHA ... into separate files (with directory-creation)
LHA ... into separate files (without directory-creation)
LHA ... into one file (CAUTION: multiple-save-mode
                        NOT available in this mode!)

For further details of the packer-selection, see
        packer-arguments
            .

1.21 Extension

                    For every entry in the source-list you can specify an
extension-string.

This extension simply is appended at the end of the
filename. But the extension is not a constant string.
It can change from one backup to another. So you can
get a number of backups from ONE file, but lets have a
look on an example:

    Extension   Created filenames

1.   '_[0-9]'   - FILE_0 ; FILE_1 ... FILE_9

    -In this case 10 copies of FILE will be created
     (Only one copy in each backup-session). In the
     first backup you will get FILE_0, in the second
     backup FILE_1 and so on...

-If the maximum of the chosen extensions is reached,
 DailyBackup will overwrite the oldest copy of FILE.

2.   `_copy_[0-4]_of_4`- FILE_copy_0_of_4 ...
                         FILE_copy_4_of_4

3.   `-[a-z]`   - FILE-a ; FILE-b ... FILE-z

    -Here 26 copies would be created, before the oldest
     copy would be overwritten.

-> The extension is any string with following restrictons:

   After `[` has to be a SINGLE character or number
   followed by a `-` (minus) followed by another SINGLE
   character or number. After that a `]` is expected.

   The order of the numeration is defined by the ASCII-code:

   0-9, A-Z, a-z - more than 60 copies of one file are
                   possible. That should be enough ;)

-> That function is also possible for compressed files.
   But only, if one of the following strings are used
   in the packer-definition:
   {D}, {d}, {Z}, {z}, {P} or {p}
   AND they have to be surrounded by quotes !
   Dailybackup needs to know, what suffix the packer
   uses and looks for the suffix in the packer-string.

   Example: LHA -Option "{D}.lha" "{S}"

                          ^   ^
   These quotes and the suffix .lha are VERY important !!!

   If there is any error in these strings, DailyBackup
   turns off the multiple-save-mode.

   If you use the
        automatic-packer-selection
                  and choose one of the first two modes there should be
   no problems.

1.22 Clock ?

   ...if you do not have an internal clock, or your
   clock is out of order you can reset your clock
   before every backup-session.

   (`Prefs/Time` to `WBStartup`)

   But for this you have to look at an `external`
   wristwatch ;)

1.23 History V2.2

DailyBackup V2.2-History:

```
V 2.2           - Oct.95   Multiple-save-mode for uncompressed
                           files added (Extension).
                           GUI improved (changed nearly every-
                           thing).

V 2.21          - Oct.95   Multiple-save-mode available now
                           for single-packed files too.
                           New option included: 'Highest number
                           is newset copy'

V 2.22          - Oct.95   Task-priority selectable.

V 2.23          - Nov.95   GUI changed. Backup-statistix
                           can be deactivated.
                           Backup-status can be reduced.
                           (only a simple gauge is displayed)
                           New entries are backed up completly.

V 2.24          - Dec.95   New function: Save files that changed
                           some time ago.

V 2.25          - Dec.95   New option: harddrive-mirrormode.
                           Bugfixing: Extension-gadget was
                           ghosted at the wrong moment.

V 2.26          - Dez.95   GUI slightly changed. 'Save prefs'
                           available on all pages.
                           Bugfixing: Empty patterns- and
                           extension-gadgets forced rubbish
                           characters.

V 2.27          - Jan.96   Added 'global pattern'.
                           Bugfixing: priorityslider did not
                           show the priority.

V 2.28          - Jan.96   Bubble-Help implemented.

V 2.29          - Jan.96   Compression-Limit implemented.
```

1.24 History V2.3

DailyBackup V2.3-History:

```
V 2.3           - Feb.96   Pattern added that turns off
                           compression for matching files

V 2.31          - Feb.96   GUI enhanced. Statistix extended.
                           Guide rewritten.
                           Bugfixing: Length of filenames will
                           be checked now (cause appended
```

                                        packer- and extension-strings) and
                                        shorted if necessary.

    V 2.32   - Feb.96   Now it's possible to reopen the main-
                                        window of DailyBackup after a backup.
                                        Bugfixing: Checkmark-gadgets were not
                                        set correctly at the first start of
                                        DailyBackup.

    V 2.33   - Mar.96   Replaced Requester with MUI-Requester.
                                        Bugfixing: 'Restart-mode' reopened
                                        DailyBackup every time.

    V 2.34   - Mar.96   Bugfixing: German catalog rewritten.