TimeSaver

Ralf Schönfeldt

COLLABORATORS

	TITLE : TimeSaver		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY	Ralf Schönfeldt	October 9, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

TimeSaver

1.1 TimeSaver.rexx

                    TimeSaver.rexx V1.00 (17-Jan-1998)

An ARexx script to auto-adjust inaccurate battery backed-up clocks.
Written by Ralf Schönfeldt (Freeware)

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1.2 introduction

"TimeSaver.rexx" is an ARexx script to auto-adjust inaccurate internal
battery clocks.
The reason I wrote this little program was that my internal A4000 clock
runs about 2 seconds too slow per day. I was eventually too lazy to adjust
my clock every few days to keep an accurate time. {I guess it IS true:
Vee Germanz are all verry punctual ;-}. So here is my effort, which took
me about 2 hours to complete (and (hopefully) get it more or less bugfree).

1.3 disclaimer

I don't take any responsibilities for system-crashes, hardware-explosions
or vulcanic eruptions, in short:
If something goes wrong don't blame me ;-)

1.4 installation

There are two ways to install this script:
1.Copy 'TimeSaver.rexx' to your favourite ARexx-directory and run it with
  'rx TimeSaver.rexx' as often or as little as you like.
2.Copy 'TimeSaver.rexx' and 'TimeSaver.rexx.info' into the WBStartup-drawer.
  It will then be executed on every startup.

On it's first run the script requires the ReqTools and RexxReqTools-libraries
in your 'LIBS:'-directory. If you don't have them installed, you can get them
(for example) from Aminet.
--
ReqTools.library is © Nico François & Magnus Holmgren (freely distributable)
RexxReqTools.library is © Rafael D'Halleweyn (Freeware)
--
The script also uses the 'Date' and 'SetClock' commands supplied with every
Amiga and located in the 'C:' directory.

1.5 usage

On it's first run the script will (silently) assume an accurate system time
and ask you for the amount of seconds your clock goes too slow/fast per
day. Just enter any floating-point number here, postive numbers mean clock
goes too slow, negative numbers vice versa.
The required data is then written to 'ENVARC:TimeSaver.prefs' and
'ENV:TimeSaver.prefs'. On every next run it checks this data and compares
with your new time. If needed, the script will adjust your clock and save
the time.

If you later realize that you had a wrong offset, simply delete
'ENVARC:TimeSaver.prefs' and 'ENV:TimeSaver.prefs' and re-run the program
or edit the first number of the second line in the prefs-file to your new
settings:
For example: -Let's assume your TimeSaver.prefs-file looks like this:
               01733193
               2,0.0001421
             -The first line contains the date/time of the last adjustment.
              (please don't edit this one)
             -The first number in the second line is the clock-offset
              (in this example the clock runs 2 seconds too slow)
              To change it, replace the 2 and insert any floating point value.
             -The second number is used internally for accuracy purposes.
              (please don't change this number)

1.6 history

```
v1.00 (17-Jan-98): initial Aminet-Release
```

1.7 bugs

```
Bugs:

The only bug (that I know of) is, that if you run this program a few
seconds around midnight, it might exit without doing anything, because
it doesn't yet do any date corrections (if one is needed).

ToDo:
Hmmm...maybe auto-detect daylight-saving times.
```

1.8 author

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'TimeSaver.rexx' was written by Ralf Schönfeldt.
The script is freeware, feel free to improve it!

You can contact me at:

   Ralf Schönfeldt
   Reinhold-Tiling-Weg 19
   D-49088 Osnabrück
   Germany

or via e-mail:

   rschoenfeldt@t-online.de

or on the internet:

   http://privat.schlund.de/RalfsWorld/                (german)
   http://privat.schlund.de/RalfsWorld/index_e.html  (kraut-english)


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ReqTools.library is © Nico François & Magnus Holmgren (freely distributable)
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