dofile

COLLABORATORS

	TITLE : dofile		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		January 18, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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dofile

1.1 Dofile

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        Dofile 5.0 by Rolf Max Rotvel.


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1.2 Description

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   Dofile recognizes the filetype using datatypes.library and launches the
   corresponding tool.

   This enables you to use your favorite viewer/player/editor instead of
   Multiview and still keep the advantage of the datatypes.library
```

filetype recognition. But Dofile can also recognize files using filename
matching.
Both datatypes (and filename patterns) can be any AmigaDOS pattern. This
makes it easy to group datatypes together that uses the same viewer.

Very useful when installed as a do-it-all appicon in Toolmanager. It's
also possible to use Dofile as default tool in Workbench project icons.
You can even use a ToolAlias utility to redirect all calls to Dofile.
And of course it also works nicely from CLI.

Now you only have one global config file to change when you install eg.
a new JPEG viewer.

Other features:
  * Changes directory to the datafile directory if possible. Making it
    easier to load other files in eg. a text viewer.
  * Handles icons that has no matching file perfectly
  * Has a SHOWDATATYPE switch that displays the datatype of a file in
    a requester.
  * Uses filenotification to reread the prefs file each time you change it
  * It's possible to set the stacksize of the command
  * Dofile opens a filerequester if you don't pass it a file as argument.
    If you pass it a directory it will open the filerequester in that
    directory.

1.3 Requirements

Workbench 3.x with lots of datatypes installed.

rmh.library. v5.3 included with this archive.

RexxMast.

If you want to use Dofile as default tool in project icons you either need
WB 3.5 or the included RxWB tool.

1.4 Installation

Copy "Dofile.rexx" to rexx:
Click here to do this.

Copy the example "dofile.prefs" to s:
Click here to do this.

If you don't have WB 3.5 copy "RxWB" to rexx: and rename it to Dofile.
Click here to do this.

Copy "rmh.library" to libs: if you do not have it already.
Click here to do this.

Copy the "Dostart.info" icon to your WBStartup drawer if you want
Dofile installed each time you boot.

Click here to do this.

1.5 Configuration

                        Example config file

Edit the Dofile.prefs file. Each line consists of a datatype name and
the associated command. Blank lines or lines that start with a
semicolon are ignored. The rest are parsed using ReadArgs() with this
template:

DATATYPE/A,COMMAND/A,STACK/K/N,PATTERN/S,PREFIX/K

DATATYPE
DATATYPE is what datatypes.library knows the file as. If in doubt about
the datatype simply run Dofile with the
            SHOWDATATYPE
            switch and check the
requester (Eg: rx dofile SHOWDATATYPE ram:disk.info).
You can use AmigaDos patterns to group more than one datatype with the
same command.

COMMAND
COMMAND is the corresponding viewer/player/editor/etc.
Some DATATYPE and COMMAND examples:
GIF   cc:visage
"Amiga .info File"   cc:fasticon
(REXX|C++-Source|C-Source)   c:ed
"(Bitmap Font|Outline Font)"   "sys:utilities/multiview REQUESTER"

PATTERN
The PATTERN switch tells Dofile to do filename matching instead instead of
checking the datatype of the file. Only use this switch if absolutely
necessary – there is a datatype descriptor for almost any type of file.
Have a look in the
            desc
            drawer.
A few PATTERN examples:
#?.c   c:edit PATTERN
#?.(avi|qt|mov)   "rx rexx:startamp.rexx" STACK=300000 PATTERN
The PATTERN keyword only works on ascii or binary files. If Dofile finds a
datatype that is not ascii or binary it won't do any filename matching.

STACK
The STACK keyword is used to set the stack of the COMMAND. The default is
8192 bytes stack which is usually enough, but eg. many PPC utils requires
a much higher stack. See above for an example.

PREFIX
Normally Dofile processes the command by simply adding a space between
the command and the filename: cc:smartplay "x:music/MOD.acid flashback"
The PREFIX keyword can be used to add some text immediately before the
filename, like this:
HTML   work:voyager/v PREFIX=file:///
Dofile will now concatate the command and the filename and process it

like this: work:voyager/v "file:///work:html/32/wdhtml32.htm". This
keyword was implemented because some Voyager 2.x versions insisted on the
'file:///' bit when opening a local file.

When you're finished copy Dofile.prefs to s:

1.6 Usage

```
                    rx rexx:Dofile.rexx FILE,V=VERBOSE/S,D=SHOWDATATYPE/S,I= ←
                      INSTALL/S,Q=QUIT/S
```

FILE
The file to process. If you pass a directory or nothing as argument to
Dofile it will open a filerequester. And you can supply a file for
processing.
It handles spaces in filenames perfectly. Both from WB and CLI.

V=VERBOSE/S.
When processing a file displays a requester with the following info:
filename, datatype and command.

D=SHOWDATATYPE/S
Displays a requester with the datatype info of the selected file. Does not
read cfgfile or open Arexx port. All other options are ignored.

I=INSTALL/S
Installs Dofile (Reads cfgfile and opens Arexx port) without processing
any files.
If you want Dofile installed each time you boot copy the included
"Dostart.info" icon to your WBStartup drawer. It is not a good idea to
put it in your user-startup.

Q=QUIT/S
Quit Dofile (Close Arexx port).

Example: rx Dofile.rexx pix:1.jpg VERBOSE

If you want to change the
            configuration
            just edit the Dofile.prefs
file. Dofile will detect that it has changed and reload it
automatically.

It's possible to use Dofile as default tool in Workbench project icons.
I have also replaced SID2's internal filerecognition system with
Dofile's. Read the
            notes
            section.
Additionally I have Dofile installed as a do-it-all Workbench appicon
(Using ToolManager).

1.7 Datatype descriptors

Just a few notes about the datatype descriptors in the "desc" directory.
Most of them are self-explanatory. Here are a few that are not:

Sources:
Some of the descriptors (MED among others) are created by me using MakeDT
v1.3
by Michael Letowski.
Most descriptors are from various datatype files from aminet (JPEG,
ProTracker, XBM etc)
I also got a few descriptors from the archive included with Roland
Mainz Adddatatypes v45.2.

I had a problem with the descriptor from Olaf Barthel's MacSND
datatype. It insisted on scanning any MP3 songs I tried to play making
it a rather slow affair loading them. Removing the descriptor solved
the problem.

There's no icons supplied because you can just get what you need from
your devs:datatypes directory.

1.8 Notes

How to use Dofile as default tool in Workbench project icons.

If you have Workbench 3.5:

Make sure Dofile has the script bit set. Like so:
"protect rexx:dofile.rexx +s"

Now enter "rexx:dofile" as default tool and set the 'Start From' cycle
gadget to 'Shell'.

Note that all the ToolAlias patches (Including the one in MCP) doesn't
work with the new iconformat in WB 3.5.

If you don't have Workbench 3.5:

First you must make sure that the utility Dofile is in your rexx:
directory (It's really an utility called
          RxWB
) together with the
Dofile.rexx Arexx script.

Now you can simply enter "rexx:dofile" as default tool and Dofile will
automagically start Dofile.rexx with the project as argument.

If you use one the ToolAlias utilities you can redirect all relevant
calls to Dofile. Using the Toolalias function in MCP with a pattern
like this: "(*view*|*guide*|*more*) -> rexx:dofile" works very nicely.

It's you are using DefIcons (From the NewIcons package) you can simply
enter "rexx:dofile" as default tool in all the def_#? icons in

```
        envarc:sys that you wish.
        I think a ToolAlias patch is the easiest solution :-)


    How to add Dofile to SID2's internal filerecognition system.

    Note: This only works with SID2 v2.01 and newer.

    Add a button called "DOFILE" with the command "run rx rexx:dofile.rexx"
    Set "Quotes = Yes" and "Change Dir = to source".

    Make a backup of s:SID2.desc. Select any file you wish and create a new
    description with the ANALYZE button . Name it eg: "Everything" and
    deselect all 12 'identifier' buttons.

    Edit prefs->descriptions. Delete all the entries that you want Dofile
    to handle. Find the "Everything" description at the bottom of the list
    and link it to the DOFILE button.
```

1.9 Author

```
    Please send send any comments you might have to me:

    Email: rolfrotvel@bigfoot.com

    Address:
    Rolf Max Rotvel
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    Denmark
```

1.10 Credits

```
                    Some of the datatype descriptors created with Michal Letowski' ←
                        s
    MakeDT.rexx script.
    I nicked the Dostart icon from the MUI archive.

    Thanks to
    Alfonso Ranieri - for rmh.library. A great Arexx support library!
    Michael Stapleton - for
                RxWb
              .
    Alexandre Gabriel - for his nice email.
    Lance Neustaeter - for reporting a file extension bug.
```

1.11 Copyright

Dofile is copyright © 2000 Rolf Max Rotvel.

I'm releasing this as 'niceware'

Which means: If you use Dofile it would be nice of you to send me $5 or
the equivalent in your currency – just stuff a bill in an envelope
and send it to
                me
                .

But you're not in any way obligated to do so. If you want to use it
without paying, be my guest. Isn't that nice? :-)

1.12 Disclaimer

It's all your own fault :-)

1.13 History

5.0 – Almost a complete rewrite. The rest is ancient history :-)

1.14 RxWb

```
                        R X W B
                        ~~~~~~~
Launch an ARexx script from Workbench as a default tool.

Written by M. Stapleton of Graphic Bits, May  9 1998.
This program is hereby placed into the Public Domain.

Requires Workbench 2+.


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Introduction
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RxWb lets you use an ARexx script from Workbench, almost as if it
were a normal Workbench Tool.  Its main purpose is to allow the use
of an ARexx script as the default tool of a project icon.
```