ArcDir.dopus5

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COLLABORATORS

	TITLE : ArcDir.dopus5		
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WRITTEN BY	Edmund Vermeulen	December 28, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

ArcDir.dopus5

1.1 Contents

Contents

This is the AmigaGuide® documentation for:

ArcDir.dopus5 1.0

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Please report all bugs, problems and suggestions to one of the addresses

above. New catalog translations are always welcome too.

 IMPORTANT NOTE

While Edmund created ArcDir, (for which I am grateful), he does NOT
have anything to do with this release. While it is based solely on his
previous work, please do not pester him with bug reports for this version.

Instead, pester this person as he is probably responsible for the bug that is
staring back at you :)

Dave Clarke <4wd@connexus.net.au>

1.2 description

Description

ArcDir.dopus5 is an ARexx script for Directory Opus 5 that allows you to
show the contents of an LhA or LZX archive in an Opus lister and operate on
the files and directories inside the archive as if it is a normal directory.

With ArcDir.dopus5 you can:

 – Browse through the directory structure of an archive file by using the
   normal controls available in Opus 5 (double-click, parent, root, path
   gadget, etc.).

 – Double-click on files in an archive to view them.

 – Delete files and directories with the delete button.

 – Extract or add files and directories with the copy button or through drag
   and drop.

Requirements

ArcDir.dopus5 1.0 has been tested with Directory Opus 5 (5.11 and 5.5 beta),
LhA 1.50r and LZX 1.21 (Evaluation).

Other features

 – The speed of listing archives is greatly enhanced by using an external
   program written in assembly ('ArcDirList').

 – Directory sizes and dates are automatically calculated.

 – Installation and usage of ArcDir.dopus5 is very easy. Only the filetypes
   section in Opus 5 needs to be adapted. The included installation script
   takes care of this automatically.

 – Open as many ArcDir listers as you want.

 – Datestamps, attributes and comments are listed and preserved correctly.

– Localized. Dutch, German, French and Norwegian catalogs provided.

1.3 usage

Usage

Using ArcDir.dopus5 is very easy. You can simply double-click on an LhA or
LZX file to view it. Depending on if you installed it with the GetDir or
Browse argument you will see the contents of the archive listed in the same
lister or in a new lister. You may now double-click on the files and
directories in the lister as normal. Files will be extracted to 'T:' before
they are viewed. You may also use drag and drop to add or extract files and
directories to and from an archive. Dropping another LhA or LZX file on an
ArcDir lister will cause the new archive to be listed. Shift double-clicking
a directory will cause that directory to be listed in a separate lister. You
can force the re-reading of an archive by selecting 'Re-read Directory' from
the lister pop-up menu or by pressing return in the lister's path gadget.

Supported commands

ArcDir.dopus5 supports the following commands:

Parent

 Lists the contents of the parent directory. Shift-parent opens a new
 lister.

Root

 Lists the root directory in the archive. When already in the root of the
 archive, the root directory of the archive file itself is read. Shift-root
 opens a new lister.

Delete

 Deletes all selected files and directories from the archive. Please note
 that when deleting from an archive there is no way to get the deleted files
 back, so be careful! A warning requester will be displayed before
 commencing with deletion.

Copy

 Copies all selected files and directories to the destination lister. Either
 the source or destination can be an ArcDir lister, not both. Note that when
 copying files to a subdir within an archive all files will be placed in the
 'T:' directory first before they can be added. Also note that when
 extracting directories within a subdirectory, all selected entries are
 first extracted to a special directory and afterwards moved to the correct
 destination.

MakeDir

 Creates a new directory in the archive.

Move

 Same as per Copy, after a successful extraction the files will be deleted.

CopyAs

 Copies all selected files to the destination lister. Only the source can be
 an ArcDir lister, trying to copy the other way will bring up an error
 requester. You will be prompted for a new name for each file selected,
 wildcards are *not* supported. Directories will be skipped automatically and
 extracted normally.

MoveAs

 Same as per CopyAs, after a successful extraction the files will be deleted.

Read, HexRead, Show, Play

 The first selected file will be temporarily extracted from the archive to
 the 'T:' directory and viewed with the selected internal Directory Opus
 command.

1.4 installation

Installation

Installation can easily be performed by running the included 'Install
ArcDir' installation script. Details on how to do the installation by hand
are given below.

NOTE FOR USERS OF LHADIR.DOPUS5 1.0:
Installation is quite different from LhADir.dopus5 1.0. No buttons need to
be adapted any more to call the ARexx script. If you changed your lister
toolbar to call LhADir functions (or used the toolbar supplied with
LhADir.dopus5 1.0) then you can now change them back, or use the default
toolbar supplied with Directory Opus 5.

 NOTE NOTE NOTE

With this version of ArcDir you will possibly be required to edit the
ArcDir.dopus5 script to enable archive matching to be performed correctly.
This is due to the way in which I have chosen to match FileType IDs, since
I did not use 'LHA' and 'LZX' as my LhA and LZX archive FileType IDs, and
was forced to edit ArcDir each time a new version appeared.

Only people who do not use 'LHA' and 'LZX' as the IDs will be
required to edit their script.

To help you do this, I have included a script called 'Check-ID.rexx' which
will prompt you to select a LhA archive, then a LZX archive, it will then
tell you what line to change and what to change it to.

You can run it from a shell, (eg. rx Check-ID.rexx), or just double click
on the icon, it requires ARexx and DirectoryOpus to be running, (and who

doesn't have these two constantly running, hhmmm Ash :)

 END NOTE

This is how to install ArcDir.dopus5 by hand:

1. Copy the files 'ArcDir.dopus5' and 'NewArc.dopus5' to the 'DOpus5:ARexx'
directory.

2. Copy the files 'ArcDirList' and 'Move' to the 'DOpus5:C' directory.

ArcDirList is the external program that makes it possible for ArcDir to have
those speedy archive listings. It was written in assembly.

3. Copy the files 'LHA archive' and 'LZX archive' to the 'DOpus5:Filetypes'
directory.

Before overwriting your old filetypes you might want to store them in a safe
place like 'DOpus5:Storage' in case you need them back for some reason (e.g.
uninstallation of ArcDir).

By default the supplied filetypes are set up to call ArcDir.dopus5 from the
double-click function like so:

  Function : ARexx   DOpus5:ARexx/ArcDir.dopus5 Browse {Qp} {f} {Ql}
  Flags : Run asynchronously

If you would like archives to be listed in the same lister instead of
opening in a new lister then you should use the 'GetDir' command instead of
'Browse',

If you want an archive to be listed when it is drag and dropped to another
lister then you should set the filetype's function for drag and drop to the
following:

  Function : ARexx   DOpus5:ARexx/ArcDir.dopus5 GetDir {Qp} {f} {Qd}
  Flags : Run asynchronously

4. Optionally you may copy a language catalog to the 'LOCALE:' directory.

ArcDir.dopus5 is fully localized (Yes, in ARexx!) as to fully blend in with
Directory Opus 5, which is also localized. Currently there are catalogs for
Dutch (Nederlands), German (Deutsch), French (Français) and Norwegian
(Norsk). If you would like to make your own catalog translation, please do
so. An empty catalog file is provided. Please send your translation to me so
I may include it with future releases.

5. Make sure ARexx is activated.

You can activate ARexx by double-clicking the 'RexxMast' icon in the
'System' drawer. If you would like ARexx activated every time you boot, you
can place the 'RexxMast' icon in the 'WBStartup' drawer or add the line

'RexxMast >NIL:' to your 'S:User-Startup' file with a text editor.

1.5 uninstallation

Uninstallation

You can easily uninstall ArcDir.dopus5 by running the 'Install ArcDir'
installation script again. The script will automatically detect that ArcDir
is already installed and offer you an option to uninstall it.

If you would like to do the uninstallation by hand, you should take a look
at the steps involved in installing ArcDir in the installation chapter.

1.6 newarc.dopus5

NewArc.dopus5

NewArc.dopus5 is a little ARexx script for Directory Opus 5 to create a new
(empty) archive in the current source lister. The archive may be of the LhA
or LZX type. Default (no extension given) is LhA.

You may install it in a menu or button as follows:

  Function : ARexx   DOpus5:ARexx/NewArc.dopus5 {Qp}

When you call this script you will be presented with a string requester.
Simply enter the name of the archive that you want to create, and press
return or click the 'Create' button. Depending on if the archive name ends
in '.lha' or '.lzx' a new LhA or LZX archive file will be created. If
neither of these extensions is given, '.lha' will be assumed.

1.7 some tips

Tips for speeding up

By making resident some of the Shell commands that are frequently used by
ArcDir.dopus5, operation will be faster and there will be no disk access for
these programs. Just put the following lines in your User-Startup.

 Resident C:LhA
 Resident SYS:Rexxc/RX
 Resident DOpus5:C/ArcDirList

Tips for memory shortage

ArcDir.dopus5 uses the 'T:' directory for temporary stuff. Like when copying
to a subdir within an archive or viewing single files from an archive.
Normally 'T:' is assigned to the Ram Disk, so when there is a memory
shortage these operations will fail. The solution is to assign 'T:'

somewhere else, for instance to your hard disk. Simply go to the Workbench
and choose 'Execute Command' from the menu and enter something like 'Assign
T: Work:Trashcan'.

1.8 known problems

Known problems

You tell me!

1.9 to do

To do

 - Ability to abort during operations on archives.

 - Support other archivers (ZIP?).

1.10 release history

Release history

ArcDir.dopus5 is largely based on LhADir.dopus5 1.0, which in turn was based
on LhADir.dopus 1.11 for Directory Opus 4. It is a complete rewrite and has
become much cleaner, nicer and more responsive. The rewrite was necessary
because LhADir.dopus5 had become a mayor kludge-o-rama, and it was virtually
impossible to add support for other archivers to my spaghetti code. So
please join me in a cheer: "LhADir is dead, long live ArcDir!".

Beta history

Version 1.10 released 10-Aug-1998

The changes compared to ArcDir.dopus5 1.0 are:

 - See Beta history for more info.

Version 1.0 released 17-Jun-1996

The changes compared to LhADir.dopus5 1.0 are:

 - Support for LZX archives!

 - Some features have been lost. Copying between archives, listing an
   archive in an archive and the move command are gone. If someone needs
   them back, let me know.

 - No separate handler any more. Each ArcDir lister has its own copy of
   ArcDir.dopus5 running.

- Listing dirs has been sped up by using an external program that I wrote,
  named ArcDirList. Listing archives with lots of files in directories, for
  example icon collections, is much faster now. I measured speed increases
  of up to four times! As an added bonus, dir sizes and dir dates are now
  calculated automatically. You don't need to use the GetSizes command any
  more.

- Implemented 'addtrap' support. There is no longer a need to have each
  separate button call the ARexx script. Only the LHA and LZX filetypes
  need to call ArcDir.dopus5.

- Drag and dropping items to and from an ArcDir lister will copy (add or
  extract) those items.

- Dropping a left out dir on an ArcDir lister will read that directory in
  the lister (as with disk icons).

- Drag and dropping an LhA or LZX file on an ArcDir lister will list that
  archive in the lister.

- LhA archives don't necessarily have to end in '.lha' or '.lzh' any more.
  Requested by Martin Oswald.

- 'Re-read' from the lister pop-up menu causes the archive to be re-read.

- It's possible to define an action for drag and drop in the filetype that
  will list the drag and dropped archive in the lister where it was
  dropped.

- Shift double-clicking a directory will open a new lister to display that
  directory.

- A double-click on a left out archive also works with the 'GetDir' command
  installed in the filetype.

- The name of the listed archive is displayed in the lister title bar.
  Handy for when it is out of view in the path gadget.

- Fixed bug when copying directories to a subdir in an archive.

- Removed all progress windows. The current operation is now displayed in
  the lister title bar.

- Shift parent and shift root open a new lister.

- Corrupted archives are listed as much as possible, instead of leaving the
  lister completely blank.

- Extracting a directory from a subdir in an archive will work even if this
  directory already exists in the destination. For this I had to switch
  from using the Rename command to Asher Feldman's Move command (included).

- Trying to delete from an LhA archive on a write-protected volume now
  generates an error. The temporary files that LhA leaves around are
  cleaned up too.

- Added kludges to correctly handle empty dirnames.

– Updated the installation script. It now has an uninstall option and
  supports Installer V42 and above.

– Under Opus 5.5 requesters are centered over the lister.

1.11   beta history

Beta history

Version 1.10 released 10–Aug–1998

 – Versions 1.1 –> 1.x were written by Dave Clarke and are an extension to
   the original V1.0c script written by Edmund, (thanx Edmund :)

 – The 'Move' command is now supported.

 – 'CopyAs' and 'MoveAs' are now supported when extracting from an archive.

 – You can now Drag'n'Drop to the DeskTop, and also from the DeskTop.

   NOTE: You can drag files and/or directories to the DeskTop, but as yet
         you can only drag *files* from the DeskTop.

 – You can now Drag'n'Drop *files* from an archive to a sub–directory in a
   destination lister.

 – You can Drag'n'Drop *files* from an archive to a device icon of the
   DeskTop, the files will be extracted to the device, eg. DF0:

 – Temporary files caused by double-clicking on an entry, are now kept until
   the script is exited. Requested by Thomas Svenson. Previously files
   would be purged as soon as the double-click action was performed on them,
   leaving you, eg. unable to save a text file from the dopus_reader.

 – All occurances of 'address command "Run >NIL: <NIL: rx"' replaced by
   'address "AREXX"'

Version 1.0c released 31–Jul–1996

 – ArcDir.dopus5 should now run under Workbench 2.04 too. It checks if the
   file 'locale.library' exists in 'LIBS:' before trying to open it.
   Requested by Greg Perry.

Version 1.0b released 19–Jul–1996

 – When extracting a file from a subdir in an archive, its icon would get
   extracted too.

Version 1.0a released 17–Jun–1996

 – Under Opus 5.5 a destination path selected by the user through the pop-up
   requester is respected instead of displaying the 'No destination
   selected!' requester.

- Added Norwegian catalog. Thanks to Eirik Bogsnes.

- The 'Do All Files' flag is set for extracting on drag'n'drop in the LHA
  archive filetype. Requested by Greg Perry.

1.12 disclaimer

Disclaimer

Although ArcDir.dopus5 has been written and tested with the utmost care, I
cannot absolutely guarantee that it will not cause you harm. Please note
that using it is done entirely at your own risk and that I cannot be held
responsible for any damage caused by ArcDir.dopus5, directly or indirectly.

That said; if you do encounter a problem, please let me know. I can only do
something about bugs if you report them!

1.13 acknowledgments

Acknowledgments

Thanks to Greg and Jon for creating a directory utility that truly shows off
the strengths of the Amiga; and for letting me be a beta tester for their
wonderful program!

Thanks to Andreas Vespermann for the German catalog translation.

Thanks to Georges Goncalves and Kersten Emmrich for the French catalog
translation.

Thanks to Eirik Bogsnes for the Norwegian catalog translation.

Thanks to Alex van der Voort for letting me use his A1000 for beta testing.
We had to wipe off the dust a bit, but the old lady still worked like a
charm. True multitasking on a floppy-only 512K 68000 machine. Only Amiga
makes it possible!

Thanks to Leo Davidson, Sjaak Vaneveld and Greg Perry for their feedback.

Thanks to Edmund Vermeulen for creating ArcDir which I have so foolishly
hacked around with :)

1.14 copyrights

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Move is Copyright © 1993 Asher Feldman.