

ARx_PrgUcr.ag

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Chapter 1

ARx_PrgUcr.ag

1.1 Tutorial: A program to automate dissolving of archived files

AN AMIGAGUIDE® TO ARexx
by Robin Evans

Second edition (v2.0)

Note: This is a subsidiary file to ARexxGuide.guide. We recommend using that file as the entry point to this and other parts of the full guide.

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1.2 ARexxGuide | Tutorial (3 of 3) | Uncrunch program

A complete program example

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The program that follows is but one way to accomplish a task that is often one of the more tedious for those who use files from networks and bulletin boards: uncrunching files from archives created with a variety of archiving utilities.

This program provides a single, consistent CLI interface for the many different utilities.

View program

The tutorial demonstrates the use of internal functions , the ARG

instruction, comparison operators , and of the several built-in functions that allow manipulation of character strings.

Pressing any of the highlighted lines calls up explanatory text for that line. The explanations include extensive links to nodes elsewhere in this guide. Pressing any of those link points with the shift key depressed will

open a new window for the link. If a new window is not opened, pressing -Retrace- will return the the program explanation node.

The complete text for this program is included in the file in the distribution archive: ARx\_UnCrunch.rexx.

Next: Program code | Prev: Tutorials | Contents: Tutorials

### 1.3 ARexxGuide | Tutorials | UNCRUNCH.REXX

```

/**** UnCrunch.rexx **** Unarchive any file ****
**
**   A tutorial example to ARexxGuide
**/

arg FileName UCdir .

if FileName = '?' then
do
  options prompt 'UCR FILENAME/A, DESTINATION/F: '
  pull FileName UCdir
end

if FileName = '' then
do
  call Usage('You must supply the name of a file to uncrunch.')
  exit 19
end
else
  if ~exists(FileName) then
do
  call Usage('Can't open' FileName 'for input - object not found')
  exit 20
end
if UCdir = '' then
  UCdir = 'RAM:'
else
  if right(UCdir, 1) ~= ':' & right(UCdir, 1) ~= '/' then
    UCdir = UCdir || '/'

ArcExt = upper(right(FileName, 3))

address command
select
  when ArcExt = 'LZH' | ArcExt = 'LHA' then
    /* Substitute 'lz' for 'lha' if you prefer to use it */
    'Lha -x x' FileName '#?' UCdir
  when ArcExt = 'ZOO' then
    call SetDest('ZOO x//')
  when ArcExt = 'ARC' then
    call SetDest('ARC x')
  when ArcExt = 'ZIP' then
    call SetDest('UNZIP')
  otherwise

```

```

    say FileName 'is not valid archive'
    say 'Filename must end in "LZH", "LHA", "ZOO", "ZIP", or "ARC"'
    exit 11
end

exit

/* ZOO and ARC uncrunch all files to the current directory      **
** The following subroutine changes the current directory to that **
** specified for uncrunching                                    */

SetDest:
  parse arg AProg
  cdir = pragma('D')          /* Store the current directory */

  /* Change archive filename to a path/file that can be        */
  /* understood from a different directory                      */
  FDir = CDir
  select
  when pos(':', FileName) > 1 then
    FDir = '' /* device is already specified. Don't change*/
  when left(FileName, 1) == '/' then
    /* Strip off leading '/' in filename */
  do while left(FileName, 1) == '/' /* is 1st char '/'? */
    FileName = substr(FileName, 2) /* strip it off */
    Pln = length(FDir) - 1
    DivPos = max(lastpos('/', FDir, Pln),,
                 lastpos(':', FDir, Pln))
    FDir = left(FDir, DivPos)
  end
  when left(FileName, 1) = ':' then
    parse var CDir FDir ':' .
  otherwise
    if verify(right(FDir, 1), '/:', 'M') ~= 0 then
      FDir = FDir '/'
  end
  FileName = FDir||FileName

  /* Perform the uncrunching                                     */
  'cd \
  ''AProg '\
  'cd "'CDir'"

return

Usage:
  if arg(1, 'E') then
    say arg(1)
    say 'Usage:'
    say ' ucr <filename> [destination]'
    say ' <filename> must end with valid archive extension.'
    say ' [destination] is the dir in which files will be uncrunched.'
    say ''
    exit 20
  end

```

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