

arexx

COLLABORATORS

	<i>TITLE :</i> arexx		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		September 19, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	arexx	1
1.1	PolyEd · ARExx commands	1
1.2	PolyEd · ARExx - ACTIVATEWINDOW	3
1.3	PolyEd · ARExx - BACKSPACE	3
1.4	PolyEd · ARExx - BLOCK	3
1.5	PolyEd · ARExx - CHANGEWINDOW	4
1.6	PolyEd · ARExx - CLOSE	4
1.7	PolyEd · ARExx - COLUMN	4
1.8	PolyEd · ARExx - COPY	4
1.9	PolyEd · ARExx - CURSOR	5
1.10	PolyEd · ARExx - CUT	5
1.11	PolyEd · ARExx - DELETE	5
1.12	PolyEd · ARExx - ERASE	5
1.13	PolyEd · ARExx - FIND	5
1.14	PolyEd · ARExx - FINDCHANGE	6
1.15	PolyEd · ARExx - FINDNEXT	6
1.16	PolyEd · ARExx - FINDPREVIOUS	6
1.17	PolyEd · ARExx - GETATTR	6
1.18	PolyEd · ARExx - GETCHAR	8
1.19	PolyEd · ARExx - GETCURSORPOS	8
1.20	PolyEd · ARExx - GETLINE	8
1.21	PolyEd · ARExx - GETWORD	8
1.22	PolyEd · ARExx - GOTOAUTOMARK	9
1.23	PolyEd · ARExx - GOTOCOLUMN	9
1.24	PolyEd · ARExx - GOTOLINE	9
1.25	PolyEd · ARExx - LEARN	9
1.26	PolyEd · ARExx - LINE	9
1.27	PolyEd · ARExx - LOCKGUI	9
1.28	PolyEd · ARExx - MOVEWINDOW	10
1.29	PolyEd · ARExx - NEW	10

1.30 PolyEd · ARexx - OPEN	10
1.31 PolyEd · ARexx - PASTE	10
1.32 PolyEd · ARexx - POSITION	11
1.33 PolyEd · ARexx - PRINT	11
1.34 PolyEd · ARexx - QUIT	11
1.35 PolyEd · ARexx - REDO	11
1.36 PolyEd · ARexx - SAVE	11
1.37 PolyEd · ARexx - SAVEAS	12
1.38 PolyEd · ARexx - SETATTR	12
1.39 PolyEd · ARexx - SIZEWINDOW	13
1.40 PolyEd · ARexx - TEXT	13
1.41 PolyEd · ARexx - UNDO	13
1.42 PolyEd · ARexx - UNLOCKGUI	13
1.43 PolyEd · ARexx - UNZOOMWINDOW	14
1.44 PolyEd · ARexx - WINDOWTOBACK	14
1.45 PolyEd · ARexx - WINDOWTOFRONT	14
1.46 PolyEd · ARexx - ZOOMWINDOW	14

Chapter 1

arexx

1.1 PolyEd · ARexx commands

PolyEd's ARexx commands

Copyright © 1994 Avalon UnLtd.
Written by Robert Brandner
All Rights Reserved

Like every good program, PolyEd provides an ARexx Port. This guide describes all ARexx commands, PolyEd supports. For details about results, naming of ports etc. see the main guide (it's name depends on your preferred language).

Sorry, this guide is - at the moment - only available in english.

Project-Related Commands

NEW

OPEN

SAVE

SAVEAS

CLOSE

PRINT

QUIT

Block-Related Commands

BLOCK

CUT

COPY

PASTE

ERASE

Cursor Positioning Commands

GOTOLINE

GOTOCOLUMN

CURSOR

LINE

COLUMN

POSITION

GOTOAUTOMARK

GETCURSORPOS

Find and Replace Commands

FIND

FINDCHANGE

FINDNEXT

FINDPREVIOUS

Text-Related Commands

BACKSPACE

DELETE

GETCHAR

GETLINE

GETWORD

TEXT

UNDO

REDO

Window-Related Commands (work allways on project's first window)

MOVEWINDOW

SIZEWINDOW

CHANGEWINDOW
WINDOWTOFRONT
WINDOWTOBACK
ACTIVATEWINDOW
ZOOMWINDOW
UNZOOMWINDOW
Miscellaneous Commands

LOCKGUI

UNLOCKGUI

GETATTR

SETATTR

LEARN

Most of the commands are only valid for projects, not for the ↔
global port.

1.2 PolyEd · ARexx - ACTIVATEWINDOW

ACTIVATEWINDOW

,

ACTIVATEWINDOW activates the first window of the project.

1.3 PolyEd · ARexx - BACKSPACE

BACKSPACE

,

BACKSPACE deletes the character left to the cursor. At the beginning of a line, the EOL character of the previous line is deleted, and so the previous and the current line are joined.

1.4 PolyEd · ARexx - BLOCK

BLOCK

START/S, FORGET/S

BLOCK starts or forgets block selection.

- START starts block selection. Following cursor movements will select the block. Then you may CUT, COPY or ERASE the block.
- FORGET forgets selection.

Inserting or deleting text, or any mouse actions by the user, have the same effect as BLOCK FORGET, So you should

```
    LOCKGUI  
    , to
```

avoid unwanted actions by the user.

1.5 PolyEd · ARexx - CHANGEWINDOW

CHANGEWINDOW

```
    LEFTEDGE/N, TOPEDGE/N, WIDTH/N, HEIGHT/N
```

CHANGEWINDOW changes the position and size of the first window of the project.

1.6 PolyEd · ARexx - CLOSE

CLOSE

```
    FORCE/S
```

CLOSE closes the project and its window(s). If the project has been modified, the modified project requester comes up, asking the user if he wants to save the project first.

- FORCE suppresses the modified project requester.

1.7 PolyEd · ARexx - COLUMN

COLUMN

```
    DELTA/N/A
```

COLUMN accepts positive and negative values, to move the cursor left or right relative to its current position.

1.8 PolyEd · ARexx - COPY

COPY

```
    ,
```

COPY places a duplicate of the currently selected block into the clipboard.

1.9 PolyEd · ARexx - CURSOR

CURSOR

UP/S,DOWN/S,LEFT/S,RIGHT/S

CURSOR moves the cursor up, down, left or right a single line or column position.

1.10 PolyEd · ARexx - CUT

CUT

LINE/S,EOL/S

CUT removes the currently selected block from the project, and places it in the clipboard.

- LINE cuts the current line (incl. EOL)
- EOL cuts from current cursor position to end of line (excl. EOL)

1.11 PolyEd · ARexx - DELETE

DELETE

,

DELETE removes the character right to the cursor.

1.12 PolyEd · ARexx - ERASE

ERASE

,

ERASE removes the selected block from the project.

1.13 PolyEd · ARexx - FIND

FIND

PROMPT/S,NEXT/S,PREVIOUS/S,TEXT/F

FIND searches for text that matches the specified text.

- PROMPT opens the Find requester, but does not search.
- NEXT searches for the next occurrence of findstring.
- PREVIOUS searches for the previous occurrence of findstring.
- TEXT sets findstring to specified text.

'FIND NEXT' finds the next occurrence of whatever findstring is.

'FIND foobar' sets findstring to 'foobar' but does not search.

'FIND NEXT foobar' sets findstring to 'foobar' and searches.
'FIND PROMPT' opens the Find requester.

1.14 PolyEd · ARexx - FINDCHANGE

FINDCHANGE

FINDCHANGE PROMPT/S,FIND/K,CHANGE/K,ALL/S

Searches for text and replaces it by another text. This is done like replace from the menu, i. e. if the selected block matches findstring it is replaced by changestring, else nothing is done. Then the next occurrence of findstring is selected.

- PROMPT opens the Find & Change requester, but does not search.
- FIND sets findstring to specified text.
- CHANGE sets changestring to specified text.
- ALL searches and changes from current cursor position to end of text.

'FINDCHANGE FIND foobar CHANGE hello' sets findstring to 'foobar', changestring to 'hello' and does a find & replace.
'FINDCHANGE' does a find & replace with current findstring and changestring.

1.15 PolyEd · ARexx - FINDNEXT

FINDNEXT

,

FINDNEXT finds the next occurrence of findstring.

1.16 PolyEd · ARexx - FINDPREVIOUS

FINDPREVIOUS

,

FINDPREVIOUS finds the previous occurrence of findstring.

1.17 PolyEd · ARexx - GETATTR

GETATTR

OBJECT/A,NAME,FIELD

GETATTR obtains information about the attributes of an object.

- OBJECT specifies the object type to obtain information on.
 - NAME specifies the name of the object.
-

- FIELD specifies which field should be checked for information.

In the above OBJECT you may seek information on the attributes of any of the following items:

- APPLICATION
- PROJECTS
- PROJECT <name>
- MACROS
- MACRO <name>

If the destination variable is a stem variable, the following fields are available:

APPLICATION consists of the following nodes (an aspect of APPLICATION you can seek sub-information about):

- VERSION Contains the current version information.
- SCREEN Contains the name of the public screen, PolyEd resides in.
- CURRENT Contains the name of current project's arexx port.
- AREXX Contains the name of PolyEd's global port.
- VAR_BLOCKSTARTLINE These four nodes ...
- VAR_BLOCKSTARTCOL ... contain the beginning ...
- VAR_BLOCKENDLINE ... and end of ...
- VAR_BLOCKENDCOL ... the selected block.
- VAR_FINDSTRING Contains the findstring FIND, FINDCHANGE, FINDNEXT and FINDPREVIOUS look for.
- VAR_CHANGESTRING Contains the changestring, FINDCHANGE uses.
- FLAG_IGNORECASE Contains the status of 'Ignore Case?'
- FLAG_WHOLEWORDS Contains the status of 'Whole Words?'
- VAR_ARRANGEMODE Contains the status of window arrange style (0=stacked, 1=vertical, 2=horizontal, 3=full size)
- FLAG_LEARNING Contains the status of 'Learn macro'.
- VAR_RIGHTBORDER Contains right border value (from settings).
- VAR_TABWIDTH Contains Tab width value (from settings).
- FLAG_OVERWRITE Contains the status of 'Overwrite?'
- FLAG_AUTOINDENT Contains the status of 'Auto indent?'
- FLAG_TABISSPACES Contains the status of 'TAB is spaces?'
- FLAG_CREATEICONS Contains the status of 'Create icons?'
- VAR_FULLLINES Contains the status of 'Full Lines' (0=ignore, 1=word wrap).
- VAR_AUTOSAVE Contains the status of 'Auto Save' (0=never, 1=every 5 min, 2=every 10 min, 3=every 15 min, 4=every 30 min, 5=every hour).
- VAR_BACKUPS Contains the status of 'Backups' (0=none, 1=last version, 2=infinite).
- VAR_SAVEAS Contains the status of 'Save as' (0=ASCII, 1=IFF FTXT).

PROJECTS.COUNT contains the number of projects; PROJECTS.0 through PROJECTS.n contain the name of the project.

PROJECT consists of the following nodes:

- AREXX Contains the ARExx port of the project.

- FILENAME Contains the complete filename of the project.
- PATH Contains the path portion of the filename.
- FILE Contains the file portion of the filename.
- LINES Contains the number of lines of the project.
- CHANGES Contains the number of cchanges mode to the project (since last save).

MACROS.COUNT contains the number of macros; MACROS.0 through MACROS.n contain the name of the macro.

MACRO consists of the following nodes:

- FILENAME Contains the filename of the macro.
- HOTKEY Contains the macros hotkey.

See the demo program 'getattr.ped' for how to use this complex command.

1.18 PolyEd · ARexx - GETCHAR

GETCHAR

,

GETCHAR returns the character right to (or under) the cursor.

1.19 PolyEd · ARexx - GETCURSORPOS

GETCURSORPOS

,

GETCURSORPOS returns the position of the cursor. The following nodes are returned when using a stem variable:

- LINE Contains the line, the cursor is in.
- COLUMN Contains the column the cursor is in.

1.20 PolyEd · ARexx - GETLINE

GETLINE

,

GETLINE returns the contents of the line, under the cursor.

1.21 PolyEd · ARexx - GETWORD

GETWORD

,

GETWORD returns the word under the cursor.

1.22 PolyEd · ARexx - GOTOAUTOMARK

GOTOAUTOMARK

,

GOTOAUTOMARK moves to the cursor to the position where the last change was made to the project.

1.23 PolyEd · ARexx - GOTOCOLUMN

GOTOCOLUMN

COLUMN/N/A

GOTOCOLUMN moves the cursor to the specified position.

1.24 PolyEd · ARexx - GOTOLINE

GOTOLINE

LINE/N/A

GOTOLINE moves the cursor to the specified line.

1.25 PolyEd · ARexx - LEARN

LEARN

FILE/K, STOP/S

LEARN allows PolyEd to build an ARexx macro consisting of the actions the user performs.

- FILE specifies where the macro is to be saved.
- STOP tells PolyEd to stop learning.

1.26 PolyEd · ARexx - LINE

LINE

DELTA/N/K

LINE accepts positive or negative arguments to move the cursor up or down relative to its current position.

1.27 PolyEd · ARexx - LOCKGUI

LOCKGUI

,

LOCKGUI inhibits the graphical user interface of PolyEd.

1.28 PolyEd · ARexx - MOVEWINDOW

MOVEWINDOW

LEFTEDGE/N, TOPEDGE/N

MOVEWINDOW is used to change the position of the first window of the project. A value of -1 means no change or don't care.

1.29 PolyEd · ARexx - NEW

NEW

PORTNAME/K

NEW creates a new project. It returns the ARexx port name assigned to the project.

- PORTNAME is used to assign a specific port name.

1.30 PolyEd · ARexx - OPEN

OPEN

FILENAME/K, PORTNAME/K

OPEN opens the specified text into a new project (if there is an unmodified new project around it will be opened into that). The ARexx port assigned to the project is returned.

- FILENAME specifies the file to be opened.
- PORTNAME is used to assign a specific port name.

1.31 PolyEd · ARexx - PASTE

PASTE

,

PASTE puts the contents of the clipboard into the project - at the cursor position.

1.32 PolyEd · ARexx - POSITION

POSITION

SOF/S, EOF/S, SOL/S, EOL/S, SOW/S, EOW/S, SOV/S, EOVS/S

POSITION moves the cursor to the position specified by the argument:

- SOF moves it to the beginning of the file.
- EOF moves it to the end of the file.
- SOL moves it to the beginning of the current line.
- EOL moves it to the end of the current line.
- SOW moves it to the start of the current word.
- EOW moves it to the end of the current word.
- SOV moves it to the top of the current view.
- EOVS moves it to the end of the current view.

1.33 PolyEd · ARexx - PRINT

PRINT

FILENAME/K

PRINT prints the contents of the current project. If FILENAME is set, the text is printed to the specified file instead of the printer.

- FILENAME specifies a file where the text shall be printed to.

1.34 PolyEd · ARexx - QUIT

QUIT

FORCE/S

QUIT ends PolyEd. For every modified project a modified project requester comes up.

- FORCE suppresses the modified project requesters.

1.35 PolyEd · ARexx - REDO

REDO

,

REDO allows you to undo the
UNDO
command.

1.36 PolyEd · ARexx - SAVE

SAVE

,

SAVE saves the current project to its current filename. If the project is unnamed, a file requester comes up, asking the user for a name for the project.

1.37 PolyEd · ARexx - SAVEAS

SAVEAS

NAME/K

This command saves the current project to the specified filename. If no name is specified, a file requester comes up, asking the user for a filename for the project.

- NAME specifies the name to that the project should be saved. The name should be placed in quotes.

1.38 PolyEd · ARexx - SETATTR

SETATTR

OBJECT/A, FIELD, NEWVALUE

SETATTR manipulates the aspects of an object.

- OBJECT specifies the object type to manipulate.
- FIELD specifies which field should be modified.
- NEWVALUE specifies the new value for that field. Watch out; some fields require numeric values, some require strings.

Currently only APPLICATION is allowed as OBJECT type. Valid values for FLAG_xxx fields are 0 and 1, where 0 means no/off/false and 1 means yes/on/true.

The following fields may be manipulated:

- VAR_FINDSTRING Contains the findstring FIND, FINDCHANGE, FINDNEXT and FINDPREVIOUS look for.
- VAR_CHANGESTRING Contains the changestring, FINDCHANGE uses.
- FLAG_IGNORECASE Contains the status of 'Ignore Case?'
- FLAG_WHOLEWORDS Contains the status of 'Whole Words?'
- VAR_ARRANGEMODE Contains the status of window arrange style (0=stacked, 1=vertical, 2=horizontal, 3=full size)
- VAR_RIGHTBORDER Contains right border value (from settings).
- VAR_TABWIDTH Contains Tab width value (from settings).
- FLAG_OVERWRITE Contains the status of 'Overwrite?'
- FLAG_AUTOINDENT Contains the status of 'Auto indent?'
- FLAG_TABISSPACES Contains the status of 'TAB is spaces?'
- FLAG_CREATEICONS Contains the status of 'Create icons?'
- VAR_FULLLINES Contains the status of 'Full Lines'

- (0=ignore, 1=word wrap).
- VAR_AUTOSAVE Contains the status of 'Auto Save' (0=never, 1=every 5 min, 2=every 10 min, 3=every 15 min, 4=every 30 min, 5=every hour).
- VAR_BACKUPS Contains the status of 'Backups' (0=none, 1=last version, 2=infinite).
- VAR_SAVEAS Contains the status of 'Save as' (0=ASCII, 1=IFF FTXT).

For example 'SETATTR APPLICATION VAR_TABWIDTH 6' sets the Tab Width to 6. All modifications are immediately made visible to the user.

1.39 PolyEd · ARexx - SIZEWINDOW

SIZEWINDOW
WIDTH/N, HEIGHT/N

SIZEWINDOW allows to change the size of the project's first window.

1.40 PolyEd · ARexx - TEXT

TEXT
NEWLINE/S, TEXT/F

TEXT inserts the specified text at the current cursor position of the project.

- NEWLINE begins a new line before the text is inserted.
- TEXT specifies the text to be inserted. If the text contains spaces, or if there are spaces at the beginning or end of the text, you should explicitly use the keyword, because otherwise leading and trailing spaces are stripped off by the argument parser.

1.41 PolyEd · ARexx - UNDO

UNDO
,

UNDO undoes actions of the user. UNDO can be undone by
REDO

See also menu item 'Edit/Undo'.

1.42 PolyEd · ARexx - UNLOCKGUI

UNLOCKGUI

,

UNLOCKGUI undoes

LOCKGUI

allowing GUI events to resume.

1.43 PolyEd · ARexx - UNZOOMWINDOW

UNZOOMWINDOW

,

UNZOOMWINDOW unshrinks the project's first window (see

ZOOMWINDOW

).

1.44 PolyEd · ARexx - WINDOWTOBACK

WINDOWTOBACK

,

WINDOWTOBACK moves the project's first window behind all other windows.

1.45 PolyEd · ARexx - WINDOWTOFRONT

WINDOWTOFRONT

,

WINDOWTOFRONT moves the project's first window in front of all other windows.

1.46 PolyEd · ARexx - ZOOMWINDOW

ZOOMWINDOW

,

ZOOMWINDOW makes the project's first window very small. Use

UNZOOMWINDOW

to unshrink it again.
