rxsocketeng

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WRITTEN BY		October 9, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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rxsocketeng

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```

1.2 warning

```
   THIS SOFTWARE AND INFORMATION ARE PROVIDED "AS IS".
   ALL USE IS AT YOUR OWN RISK, AND NO LIABILITY OR
   RESPONSIBILITY IS ASSUMED. NO WARRANTIES ARE MADE.
```

1.3 distribution

```
                    rxasl.library is freeware

   You are free to detribute it as long as the original archive is kept intact.
   Commercial use or its inclusion in other software package is prohibited
```

without prior consens from the Author.

1.4 guide

This guide contains links with inline ARexx macros wich use
rmh.library/OpenURL. They will work if and only if you have
both openurl.library and rmh.ibrary installed.

rmh.library is by me, and can be found on Aminet at util/rexx/rmh.lha.

openURL.library is by Troels Walsted Hansen

"This library was created to make it easier for application programmers to
 include clickable URLs in their applications, about windows, etc. ..."

You can find it on aminet at comm/www/OpenURL20.lha

1.5 author

I am Alfonso Ranieri .

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You can find me on:
- #amigaita   ircnet ;
- #amyita   ircnet .

My home page is at http://users.iol.it/alfier/ .

1.6 introduction

This library offers asl.library function to ARexx macro.

The way used to handle arguments and results is:

- you pass function an ARexx var name where you set same fields to pass to the
  function and where the function will write back results.
  any function works with no fields set as well.

1.7 requirements

The library needs AmigaOS version 3.

1.8 installation

Use the install script.

1.9   terms

- field: a string rappresenting a tag to set in a stem;

- stem or stemName: a valid ARexx variable name e.g. var, var.0, var.name, var ↩
  ;

- types of arguments: the types used are:
  ```
  D   any data          --
  N   numeric           /N
  S   symbol            /S ARexx valid symbol
  V   stemName          /V ARexx valid symbol as S but with length<20
  ```

1.10   bugs

If some patch to asl.library is running not all works, e.g.
DOPATTERNS and so on. This is not my fault.

1.11   functions

```
        GetRxAslString

        help

        ReqFile

        ReqFont

        ReqScreen
            Any function can be called as "RXASL_FunctionName".
So if you have another library with a function with
the same name and you want to use it, add rxasl.library
with a smaller priority and use the "RXASL_FunctionName"
 form to call "FunctioName" .
```

1.12   getrxaslstring

```
GetRxAslString

Usage: string = GetRxAslString(code)
<code/N>

Return the string associated with a rxasl.library error code.
Valid code are:
- 51 MSG_NO_MEM_STR        "too few memory"
- 53 MSG_BAD_NUMBER_STR    "bad number"
- 54 MSG_BAD_VALUE_STR     "bad value"
- 55 MSG_BAD_PATTERN_STR   "bad pattern"
```

```
- 56 MSG_NO_WINDOW_STR    "window not found"
- 57 MSG_NO_SCREEN_STR    "public screen not found"
Any other code returns an empty string.
```

1.13   help

```
help
```

```
Usage: helpString = help(funName)
<funName>
```

```
Returns the arguments mask string of rxasl.library function "funName".
```

1.14   reqfile

```
                 ReqFile
```

```
Usage: res = ReqFile(stem)
<stem/V>
```

```
Open an asl.library file requester.
Any field that can be set by the user and that is set by the function follows:
```

```
Box
LEFTEDGE                initial left edge
TOPEDGE                 initial top edge
WIDTH                   initial width
HEIGHT                  initial height
```

```
AMigaDOS Pattern
ACCEPTPATTERN           Accept iff match pattern - default #?
REJECTPATTERN           if matches then reject file - default ~(#?)
PATTERN                 pattern for the pattern gadget
```

```
Filters
Filter Macro
An ARexx macro that is called for each FILE entry the requester is going to  ←
    show.
The macro is called with 3 args:
- entry name
- drawer name
- AnchorPat pointer (DON'T WRITE IN IT)
FILTERFUNC              ARexx macro as file name or string
FILTERSTRING            FILTERFUNC is a string - default 0
```

```
Screen & Window
WINDOW                  open requester on this window screen
                        only valid if you have a rxwiz.library window
                        opened. Must be a string "SURFACENAME/WINDOWNAME"
SLEEPWINDOW             lock WINDOW - default TRUE
PUBSCREEN               pubscreen name to open on
FALLBACK                open on default pubscreen is PUBSCREEN not found
```

```
NTSCREENTOFRONT            not move screen where to opened to front


Text
TITLETEXT                  requester title
POSITIVETEXT               ok
NEGATIVETEXT               exit


Files and Drawers
FILE                       initial file
DRAWER                     initial drawer
DOMULTISELECT              multi selecttion
DOSAVEMODE                 SAVE MODE - default 0
DRAWERSONLY                only drawer - default 0
REJECTICONS                no icons - default 0
DOPATTERNS                 shod pattern gadget - default 0
FILTERDRAWERS              ACCEPTPATTERN & REJECTPATTERN filters drawers too - ←
   default 0
NOEMPTY                    if set and the user enters an empty file name the ←
   reuslt of
                           ReqFile() will be -1, like the user pressed "Cancel" ←
                              button
                           if not set and the user enters an empty file name, an ←
                              empty
                           file name is returned; it is only valid for file ←
                              requester not
                           drawer requester, because epmty drawer name means ←
                              currentdir;
                           note that "empty" means a string made  of blank(s);
                           default 1

RESULTS
=-1     no requester or exist from requester, nothing selected
= 0     ok
> 0     error code use
           GetRxAslString
            to get the string
        ARexx var RXASLERROR is also set to the field name that caused the ←
           error.

FIELDS SET
LEFTEDGE                   last left edge
TOPEDGE                    last top edge
WIDTH                      last width
HEIGHT                     last height
FILE                       selected file - first selected if DOMULTISELECT
DRAWER                     drawer - "" if current dir
PATTERN                    last pattern
NUMARGS                    number selected if DOMULTISELECT
                           selected files are in .0 ... .i i=NUMARGS-1
```

1.15 reqfont

```
                ReqFont
Usage: res=ReqFont(stem)
<setm/V>
```

```
Open an asl.library font requester.
Any field that can be set by the user and that is set by the function follows:


Box
LEFTEDGE                   initial left edge
TOPEDGE                    initial top edge
WIDTH                      initial width
HEIGHT                     initial height


Filter Macro
An ARexx macro that is called for each entry the requester is going to show.
The macro is called with 3 args:
- entry name
- YSize
- struct TextAttr pointer
FILTERSTRING               macro to filter entry
FILTERFUNC                 FILTERSTRING is a string macro rather than a file name


Screen & Window
WINDOW                     open requester on this window screen
                           only valid if you have a rxwiz.library window
                           opened. Must be a string "SURFACENAME/WINDOWNAME"
SLEEPWINDOW                lock WINDOW - default TRUE
PUBSCREEN                  pubscreen name to open on
FALLBACK                   open on default pubscreen is PUBSCREEN not found
NTSCREENTOFRONT            not move screen where to opened to front


Text
TITLETEXT                  requester title
POSITIVETEXT               ok
NEGATIVETEXT               exit


Font
NAME                       initial font name
SIZE                       initial font size
STYLE                      initial font style: numeric or a combination of
                           - "NORMAL"
                           - "UNDERLINE"
                           - "BOLD"
                           - "ITALIC"
                           - "COLORFONT"
FLAGS                      initial fonts flags
FRONTPEN                   initial front pen
BACKPEN                    initial back pen
DRAWMODE                   initial drawmode - numeric or one of
                           - "JAM1"
                           - "JAM2"
                           - "COMPLEMENT"
                           - "INVERSVID"
DOFRONTPEN                 show frontpen gadget
DOBACKPEN                  show backpen gadget
DODRAWMODE                 show drawmode gadget
DOSTYLE                    show style gadget
FIXEDWIDTHONLY             only fixed font requester
MINHEIGHT                  min font height
MAXHEIGHT                  max font height
```

```
MAXFRONTPEN              max front pen
MAXBACKPEN               max backpen


RESULTS
=-1     no requester or exist from requester, nothing selected
= 0     ok
> 0     error code use
            GetRxAslString
             to get the string
        ARexx var RXASLERROR is also set to the field name that caused the  ←
            error.


FIELDS SET
LEFTEDGE                 last left edge
TOPEDGE                  last top edge
WIDTH                    last witdh
HEIGHT                   last height
NAME                     selected name
SIZE                     selected size
STYLES                   selected style
FLAGS                    selected flags
DRAWMODE                 selected drowmode
FRONTPEN                 selected front pen
BACKPEN                  selected back pen
```

1.16   reqscreen

```
                ReqScreen
Usage: res=ReqScreen(stem)
<stem/V>


Open an asl.library font requester.
Any field that can be set by the user and that is set by the function follows:


Box
LEFTEDGE                 initial left edge
TOPEDGE                  initial top edge
WIDTH                    initial width
HEIGHT                   initial height


Filter Macro
An ARexx macro that is called for each entry the requester is going to show.
The macro is called with 2 args:
- screen mode
- struct ScreenModeRequester pointer
FILTERSTRING             macro to filter entry
FILTERFUNC               FILTERSTRING is a string macro rather than a file name


Screen & Window
WINDOW                   open requester on this window screen
                         only valid if you have a rxwiz.library window
                         opened. Must be a string "SURFACENAME/WINDOWNAME"
SLEEPWINDOW              lock WINDOW - default TRUE
PUBSCREEN                pubscreen name to open on
FALLBACK                 open on default pubscreen is PUBSCREEN not found
```

```
NTSCREENTOFRONT          not move screen where to opened to front


Text
TITLETEXT                requester title
POSITIVETEXT             ok
NEGATIVETEXT             exit
LEFTEDGE                 initial left edge
TOPEDGE                  initial top edge
WIDTH                    initial width
HEIGHT                   initial height


Screen
DISPLAYID                initial display id
DISPLAYWIDTH             initial display width
DISPLAYHEIGHT            initial display height
DISPLAYDEPTH             initial display depth
OVERSCAN                 initial overscan – one of:
                         – "TEXT"
                         – "STANDARD"
                         – "MAX"
                         – "VIDEO"
AUTOSCROLL               initial autoscroll
INFOOPENED               info window opened?
INFOLEFTEDGE             initial info window left edge
INFOTOPEDGE              initial info window top edge
BITMAPWIDTH              initial bitmap width
BITMAPHEIGHT             initial bitmap height
DOWIDTH                  show width gadget
DOHEIGHT                 show height gadget
DODEPTH                  show depth gadget
DOOVERSCAN               show overscan gadget
DOAUTOSCROLL             show autoscroll gadget
PROPERTYFLAGS            property flags
PROPERTYMASK             property mask
MINWIDTH                 min screen width
MAXWIDTH                 max screen width
MINHEIGHT                min screen height
MAXHEIGHT                max screen height
MINDEPTH                 min screen depth
MAXDEPTH                 max screen depth


RESULTS
=-1     no requester or exist from requester, nothing selected
= 0     ok
> 0     error code use
            GetRxAslString
             to get tet string
        ARexx var RXASLERROR is also set to the field name that caused the  ↩
            error.


FIELDS SET
LEFTEDGE                 last left edge
TOPEDGE                  last top edge
WIDTH                    last witdh
HEIGHT                   last height
DISPLAYID                id
DISPLAYWIDTH             width
```

```
DISPLAYHEIGHT          height
DISPLAYDEPTH           depth
OVERSCAN               overscan
AUTOSCROLL             autoscroll
INFOOPENED             was info window opened on exit?
INFOLEFTEDGE           last info window left edge
INFOTOPEDGE            last info window top edge
BITMAPWIDTH            bitmap width
BITMAPHEIGHT           bitmap height
```

```
DISPLAYHEIGHT          height
DISPLAYDEPTH           depth
OVERSCAN               overscan
AUTOSCROLL             autoscroll
INFOOPENED             was info window opened on exit?
INFOLEFTEDGE           last info window left edge
INFOTOPEDGE            last info window top edge
```