rxaslenglish

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Chapter 1

rxaslenglish

1.1 RxAsl 10.0

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1.2 RxAsl Introduction

Introduction

The library is a set of function to manipulate asl.library
requesters. The library offers supports for asl.library V44
(AmigaOS 3.5).

1.3 RxAsl Author

Author

I am Alfonso Ranieri

My e-mail address is alforan@tin.it

You can find last version of this library at my home page:
http://web.tiscalinet.it/amiga/

1.4 RxAsl Warning, Requirements, Installation and Distribution

Warning, Requirements, Installation and Distribution

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.

Requirements
    The library needs AmigaOS, version 3 or higher.

Installation
    Use the installation script.

Distribution
    RxAsl is FreeWare

    You are free to distribute it as long as the original archive
    is kept intact. Commercial use or its inclusion in other
    software package is prohibited without prior written consents
    from the Author.

1.5 RxAsl Terms

Terms

The main terms used are:

    o stem or stemName: a valid ARexx variable name e.g. var,
      var.0, var.name

    o type of fields:
        S   a string
        N   an integral number
        B   a boolean
        M   a number or a string

    o types of function arguments:
        D   any data   --
        N   numeric   /N
        S   symbol   /S ARexx valid symbol
        V   stemName   /V ARexx valid symbol as S but
                                     with length<20

1.6 RxAsl Bugs

Bugs

```
  None knows.
```

1.7 RxAsl Functions

```
Functions
```

```
  The functions have also the "RXASL_"FunctionName form to avoid
  conflicts with functions from other libraries.
```

```
  GetRxAslString
  Help
  ReqFile
  ReqFont
  ReScreen
```

1.8 RxAsl Functions - GetRxAslString

```
GetRxAslString – returns a localized RxAsl string
```

```
Synopsis
  string = GetRxAslString(id)
  <id/N>
```

```
Function
  Returns a localized RxAsl string.

  id is one of:
      o 51  [NO_MEM]        too few memory
      o 52  [ARG_MISS]      required argument missing
      o 53  [BAD_NUMBER]    bad number
      o 54  [BAD_VALUE]     bad value
      o 55  [BAD_PATTERN]   bad pattern
      o 56  [NO_WINDOW]     window not found
      o 57  [NO_SCREEN]     public screen not found
```

```
Inputs
  id – an integer
```

```
Result
  string – a RxAsl localized string
```

1.9 RxAsl Functions - Help

```
help - returns a RxAsl function help strings
```

```
Synopsis
  string = Help(funName)
  <funName/S>
```

```
Function
  Returns the arguments types mask of the function funName.
```

```
Inputs
  funName - a RxAsl function name
```

```
Result
  string - a help string
```

1.10 RxAsl Functions - ReqFile

```
ReqFile - shows a file requester
```

```
Synopsis
  res = ReqFile(stem)
  <stem/V>
```

```
Function
  Shows a file requester.

  In stem you may set the fields:

      o Window

          . Window/S
            This is a name of a RxMUI Window object
            or a RxWiz SURFACE/WINDOW pair. If the
            window is found, it is put to sleep.

          . PubScreen/S
            This is the name of a public screen. If
            it is found, the requester is opened on
            it, otherwise, the requester is opened on
            the default public screen if and only if
            FALLBACK is 1.

          . FallBack/B
            See PUBSCREEN, default 0

          . SleepWindow/B

          . NTScreenToFront/B
```

                The screen, the requester opens on,
                is put to front by default. Setting
                it to 0 causes the screen to not be
                put to front.

    o Text

        . Title/S

        . PositiveText/S

        . NegativeText/S

    o Initial settings

        . LeftEdge/N
          Default 0

        . TopEdge/N
          Default 0

        . Width/N
          Default 50% of screen width

        . Height/N
          Default 50% of screen height

        . File/S

        . Drawer/S

        . Pattern/S

        . ShowVolumes/B
          Only asl.library V44 (AmigaOS 3.5)

    o Options

        . DoSaveMode/B

        . DoMultiSelect/B

        . DoPatterns/B

        . NoEmpty/B
          If set and the user enters an empty file
          name the result 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
          for drawer requester, because epmty drawer
          name means CurrentDir.

    o Filtering

        . DrawersOnly/B

```
      . FilterFunc/S
        This is an ARexx macro called for each
        entry in the requester, before the entry
        is shown. The macro is called as a
        function with argument:
              - entry name
              - drawer name
              - AnchorPat pointer

         If and only if the function returns 0, the
         entry is not shown (e.g. if the function
         fails, the entry is shown).

      . FilterString/B
        FilterFunc is a string-inline function.

      . RejectIcons/B

      . RejectPattern/S

      . AcceptPattern/S

      . FilterDrawers/B

  o Sorting Only asl.library V44 (AmigaOS 3.5)

      . SortBy/M
        A number or one of:
              - NAME
              - DATE
              - SIZE

      . SortDrawers/N
        A number or one of:
              - FIRST
              - MIX
              - LAST

      . SortOrder/N
        A number or one of:
              - ASCEND
              - DESCEND


  The function writes in stem:

  o LeftEdge/N

  o TopEdge/N

  o Width/N

  o Height/N

  o File/S
```

```
            o Drawer/S

            o Pattern/S

            o SortBy/N
              Only asl.library V44 (AmigaOS 3.5)

            o SortDrawers/N
              Only asl.library V44 (AmigaOS 3.5)

            o SortOrder/N
              Only asl.library V44 (AmigaOS 3.5)

            o If DoMultiselect is set to 1,  the number of the files
              selected is in NUM (and in NUMARGS for compatibility) and
              the selected files are in stem.0, ...
              They may be read with:
                  do i=0 to stem.num-1
                      say stem.i
                  end


  Inputs
    stem - an ARexx stem name


  Result
    res - an integer:
            o -1 the user exit from the requester
            o  0 OK
            o >0 error code - use GetRxAslString to get the string
                  RxAslErr is also set to the field name that caused the error.
```

1.11 RxAsl Functions - ReqFont

```
  ReqFont - shows a font requester


  Synopsis
    res = ReqFont(stem)
    <stem/V>


  Function
    Shows a font requester.

    In stem you may set the fields:

        o Window

            . Window/S
              This is a name of a RxMUI Window object
              or a RxWiz SURFACE/WINDOW pair. If the
              window is found, it is put to sleep.
```

- PubScreen/S
  This is the name of a public screen. If
  it is found, the requester is opened on
  it, otherwise, the requester is opened on
  the default public screen if and only if
  FALLBACK is 1.

- FallBack/B
  See PUBSCREEN, default 0

- SleepWindow/B

- NTScreenToFront/B
  The screen, the requester opens on,
  is put to front by default. Setting
  it to 0 causes the screen to not be
  put to front.

o Text

- Title/S

- PositiveText/S

- NegativeText/S

o Initial settings

- LeftEdge/N
  Default 0

- TopEdge/N
  Default 0

- Width/N
  Default 50% of screen width

- Height/N
  Default 50% of screen height

- Name/S

- Size/N

- Style/M
  A number or a combination of:
      - NORMAL
      - UNDERLINE
      - BOLD
      - ITALIC

- Flags/N

- FrontPen/N

- BackPen/N

```
                    . DrawMode/M
                      A number or one of:
                          - JAM1
                          - JAM2
                          - COMPLEMENT

        o Options

                    . DoFrontPen/B

                    . DoBackPen/B

                    . DoStyle/B

                    . DoDrawMode/B

        o Filtering

                    . FixedWidthOnly/B

                    . MinHeight/N

                    . MaxHeight/N

                    . FilterFunc/S
                      This is an ARexx macro called for each
                      entry in the requester, before the entry
                      is shown. The macro is called as a
                      function with argument:
                          - entry name
                          - YSize
                          - struct TextAttr pointer

                      If and only if the function returns 0,
                      the entry is not shown (e.g. if the
                      function fails, the entry is shown).

                    . FilterString/B
                      FilterFunc is a string-inline function.

                    . MaxFrontPen/N

                    . MaxBackPen/N


    The function writes in stem:

        o LeftEdge/N

        o TopEdge/N

        o Width/N

        o Height/N

        o Name/N
```

```
        o Size/N

        o Style/N

        o Flags/N

        o DrawMode/N

        o FrontPen/N

        o BackPen/N


  Inputs
    stem - an ARexx stem name


  Result
    res - an integer:
            o -1 the user exit from the requester
            o  0 OK
            o >0 error code - use GetRxAslString to get the string
                RxAslErr is also set to the field name that caused the error.
```

1.12   RxAsl Functions - ReqScreen

```
  ReqScreen - shows a screen requester


  Synopsis
    res = ReqScreen(stem)
    <stem/V>


  Function
    Shows a screen requester.

    In stem you may set the fields:

        o Window

            . Window/S
              This is a name of a RxMUI Window object
              or a RxWiz SURFACE/WINDOW pair. If the
              window is found, it is put to sleep.

            . PubScreen/S
              This is the name of a public screen. If
              it is found, the requester is opened on
              it, otherwise, the requester is opened on
              the default public screen if and only if
              FALLBACK is 1.

            . FallBack/B
              See PUBSCREEN. Default 0
```

      . SleepWindow/B

      . NTScreenToFront/B
        The screen, the requester opens on,
        is put to front by default. Setting
        it to 0 causes the screen to not be
        put to front.

    o Text

      . Title/S

      . PositiveText/S

      . NegativeText/S

    o Initial settings

      . LeftEdge/N
        Default 0

      . TopEdge/N
        Default 0

      . Width/N
        Default 50% of screen width

      . Height/N
        Default 50% of screen height

      . DisplayID/N

      . DisplayWidth/N

      . DisplayHeight/N

      . DisplayDepth/N

      . Overscan/N
        A number or one of:
            − TEXT
            − STANDARD
            − MAX
            − VIDEO

      . AutoScroll/B

      . InfoOpened/B

      . InfoLeftEdge/N

      . InfoTopEdge/N

    o Options

      . DoWidth/B

- . DoHeight/B

- . DoDepth/B

- . DoOverscan/B

- . DoAutoScroll/B

o Filtering

- . PropertyFlags/N

- . PropertyMask/N

- . MinWidth/N

- . MaxWidth/N

- . MinHeight/N

- . MaxHeight/N

- . MinDepth/N

- . MaxDepth/N

- . FilterFunc/S
  This is an ARexx macro called for each
  entry in the requester, before the entry
  is shown. The macro is called as a
  function with argument:
  - screen mode
  - struct ScreenModeRequester pointer

  If and only if the function returns 0,
  the entry is not shown (e.g. if the
  function fails, the entry is shown).

- . FilterString/B
  FilterFunc is a string-inline function.

The function writes in stem:

o LeftEdge/N

o TopEdge/N

o Width/N

o Height/N

o DisplayID/N

o DisplayWidth/N

```
      o DisplayHeight/N

      o DisplayDepth/N

      o Overscan/N

      o AutoScroll/B

      o InfoOpened/B

      o InfoLeftEdge/B

      o InfoTopEdge/B

      o BitmapWidth/B

      o BitmapHeight/B


Inputs
  stem - an ARexx stem name


Result
  res - an integer:
          o -1 the user exit from the requester
          o  0 OK
          o >0 error code - use GetRxAslString to get the string
              RxAslErr is also set to the field name that caused the error.
```