

The 2011 Edition of BSF4ooRexx (for Windows, Linux and **MacOSX**)

<http://sourceforge.net/projects/bsf4oorexx/files/>

The 2011 International Rexx Symposium



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Agenda

- Preconditions
- New home
- New organisational structure
- New features
- Demonstration using MacOSX
- Roundup and outlook

Preconditions

- ooRexx 4.1.0 or newer
 - Hint: if in doubt, use currently the 32-Bit-Installation!
 - 32-Bit ooRexx allows using older external Rexx function libraries adhering to the SAA-Rexx-APIs
 - For Windows and MacOSX OOo/LO is available in 32-Bit only
 - ooRexx-Download: <http://www.ooRexx.org/download.html>
- Java 1.4 or later
 - Only the Java Runtime Environment (JRE) necessary!
 - A JRE is usually already installed on a workplace computer
 - Java-Download e.g.: <http://www.java.com>

New Home

- BSF4ooRexx, version 4.06, 20110822
 - Now an official project of the "Rexx Language Association"
 - Non-profit special interest group (<http://www.RexxLA.org>)
 - Owner of ooRexx and NetRexx
 - New home on Sourceforge
 - <http://sourceforge.net/projects/bsf4oorexx/>
 - Sourcecode and installers reachable via the "Files" tab
 - Download
 - <http://sourceforge.net/projects/bsf4oorexx/files/>

New Organisational Structure

- New developers with BSF4ooRexx-experiences
 - Project management team (ARB=Architecture Review Board)
 - Architect and project manager: Rony G. Flatscher (Austria; ARB)
 - Developer, Committer, Maintainer in alphabetical order
 - Chip Davis (USA; Founder and former president of RexxLA)
 - Erik Dujis (European patent office)
 - Jean-Louis Faucher (France; ooRexx-developer; ARB)
 - Mark Hessling (Australien; Maintainer e.g. of Regina)
 - René Vincent Jansen (Holland; current RexxLA president; ARB)
 - Bruce J. Skelly (USA; ooRexx-developer)
 - Bill W. Turner III (USA)

New Features, 1

- **BSF4ooRexx**, version 4.06, 20110822
 - New GUI-based installers for all platforms!
 - Bachelor thesis of two WU students ([Jürgen Hesse](#), [Manuel Paar](#))
 - Linux
 - RedHat Package Manager ([.rpm](#)) and Debian ([.deb](#)) installer
 - Installer determine automatically the bitness of ooRexx
 - Windows
 - Separate [Nullsoft](#) installers, one for 32- and one for 64-Bit
 - New: MacOSX-Version
 - Includes ooRexx 4.1.**1** (!)
 - Separate installers for 32- and 64-Bit
 - **BSF4ooRexx**-GUI scripts adhere automatically to the MacOSX-GUI rules (e.g. using the MacOSX menu bar)!

New Features, 2

- **BSF4ooRexx**, version 4.06, 20110822 (Continued)
 - New, platform independent GUI named "**ooRexxTry.rxj**"
 - Seminar work of a WU student (**Markus Moldaschl**)
 - After Lee Peedin's Windows-only GUI "**ooRexxTry.rer**"
 - Available on all BSF4ooRexx-Plattformen in identical form
 - Can be invoked via the new BSF4ooRexx menu system (easy)
 - Full page interface vs. line oriented (increases productivity)
 - Additional usability features, among them
 - History
 - Font family and font size can be configured
 - In- and output can be distributed via TCP/IP sockets



File Edit Settings Help

Code

```
parse version v
say angle(v)
parse source s
say s
numeric digits 99
say "----"
say 1/7

::routine angle -- enclose argument in angle brackets '<' and '>'
  parse arg val
  return "<val>"
```

Input

Arguments

Returns

Output/Says

```
<REXX-ooRexx_4.1.0(MT) 6.03 21 Aug 2011>
WindowsNT SUBROUTINE F:\work\svn\bsf4ooorexx\trunk\bsf4ooorexx\utilities\ooRexxTry_test8897.rex
----
0.142857142857142857142857142857142857142857142857142857142857142857142857142857143
```

Errors/Information

Code Execution Complete

Run

Get History

Exit



History

```
17:21:38
-----
parse version v
say angle(v)
parse source s
say s
numeric digits 99
say 1/7
```

```
::routine angle -- enclose argument in angle brackets '<' and '>'
  parse arg val
  return "<"val">"
-----
```

```
17:21:43
-----
parse version v
say angle(v)
parse source s
say s
numeric digits 88
say 1/7
```

```
::routine angle -- enclose argument in angle brackets '<' and '>'
  parse arg val
  return "<"val">"
-----
```

```
17:21:55
-----
parse version v
say angle(v)
parse source s
say s
numeric digits 88
say "----"
say 1/7
```

```
::routine angle -- enclose argument in angle brackets '<' and '>'
  parse arg val
  return "<"val">"
-----
```

```
17:22:30
-----
parse version v
say angle(v)
parse source s
say s
numeric digits 88
say "----"
say 1/7
```

```
::routine angle -- enclose argument in angle brackets '<' and '>'
  parse arg val
  return "<"val">"
```

[Restore](#)

Demonstration

- Using MacOSX
 - Demonstration of the platform independentness of BSF4ooRexx
 - e.g. programs that originally were developed under OS/2 (!) more than ten years ago; can be run unchanged on all operating system platforms, including MacOSX !
 - All Demos on MacOSX run *unchanged* under
 - Linux and Windows!
- Special wishes ?
- Special interests ?

Roundup and Outlook

- New installers, new *platform independent* "ooRexxTry.rxj" GUI
- 100 %-ig backwardly compatible with its precursor "BSF4Rexx"
 - Older BSF4Rexx programs run unchanged with "BSF4ooRexx"
- Supplies [oo]Rexx with the "largest function library of the world", which in practice is installed on each computer:
 - **Java** !
 - This way [oo]Rexx programmers can exploit all Java class libraries in the world in an *operating system independent* manner!
- All programs, that supply Java interfaces, can be directly addressed by [oo]Rexx
 - E.g. "OpenOffice.org", resp. "LibreOffice"
- Rexx programs therefore are **platform independent!**

URLs

- Rexx Language Association (RexxLA)
 - <http://www.RexxLA.org>
- ooRexx homepage
 - <http://www.ooRexx.org>
- ooRexx build-site
 - <http://build.ooRexx.org>
- New BSF4ooRexx homepage
 - <http://sourceforge.net/projects/bsf4oorexx/>
- Student's works on ooRexx, BSF4Rexx, BSF4ooRexx and OOo
 - <http://wi.wu.ac.at/rgf/diplomarbeiten/>