

# The Portable net-oo-rexx Package

The 2025 International Rexx Symposium  
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- Idea
- ooRexx packages
- net-oo-rexx
- Roundup

- ooRexx
  - Allows creating and running “classic” Rexx programs
  - Adds the ability to create Rexx/ooRexx function and class libraries in ooRexx
    - Used for creating many ooRexx packages
  - Not everyone knows which ooRexx packages exist, where the latest versions are stored and downloadable
- Create a zip archive containing such ooRexx packages
  - Eases access to a lot of nice functionalities
- Extending the idea
  - Add the latest versions of ooRexx and NetRexx to the zip archive
  - Create a setup script to use ooRexx with the packages and NetRexx

- A zip archive serving ooRexx packages, ooRexx assumed to be installed
  - <https://wi.wu.ac.at/rgf/rexx/tmp/net-oo-rexx-packages/packages-standalone/>
  - Download “Packages...zip”
  - De-quarantine (see readme files)
  - Unzip
- Run the setup script to add the paths to the ooRexx packages to the environment
  - All packages can be immediately used by the ooRexx installation!
- Contained packages get briefly introduced
  - There are symposium presentations and articles for many of those packages
  - Check out the RexxLA symposium page and search for the presentations
    - <https://www.RexxLA.org>

- All package subdirectories have always the following layout
  - `bin` ... executables
  - `lib` ... shared libraries/DLL, Java jar and zip files (containing Java classes)
  - `doc` ... documentation
  - `samples` ... samples that demonstrate how to use the package functionality

- Author: Jean Louis Faucher
- A modern version of `rexstry.rex` allowing to use any feature of ooRexx
  - Colorized command line interface
  - Allows to execute Rexx and ooRexx instructions
  - Loads all packages into ooRexx such that their features can be used immediately, e.g. Unicode of the `TUTOR` package
- Multiplatform, i.e. works on Windows, macOS and Linux!
- Allows to switch from ooRexx to any shell that is available on the operating system and back to ooRexx!
  - Enter the command to see all available shells: `?i`
- Demos of `oorexxshell` at: <https://jlfaucher.github.io/executor.master/demos>



- Author: Jean Louis Faucher
- A set of very useful ooRexx classes from the executor project
- oorexxshell exploits its functionality
- Demos of **oorexxshell** at: <https://jlfaucher.github.io/executor.master/demos>

- Author: Rony G. Flatscher
- A bidirectional Java-ooRexx bridge (BSF4ooRexx850)
- Can be used if Java is installed
  - Suggestion: install Java/OpenJDK with JavaFX (dubbed “fx” or “full”)
- Any Java class and Java object can be used as if it was an ooRexx class and an ooRexx object!
- Java and NetRexx programs can use Rexx classes and Rexx objects, being able to send ooRexx messages from Java
- Prerequisites for **JDOR** (included in BSF4ooRexx850) and **JDORFX**
- See presentations and samples



- Author: Rony G. Flatscher
- A bidirectional Linux DBus bridge
  - DBus libraries are also available for Windows and macOS
  - DBus can be used to even have programs communicate via the local LAN among systems that have DBus libraries
- Can be used to automate Linux and Linux applications aware of DBus
- Can be used to document existing DBus services
- Can be used to implement DBus services in ooRexx
- See presentations and samples

- Author: Philip Schaller
- A Rexx command handler for creating **JavaFX** 2D and 3D graphics available to ooRexx
  - The command handler is implemented in Java
  - Modeled after the **JDOR** command handler (**Java2D** graphics), part of BSF4ooRexx
- Look for “Schaller” at <https://wi.wu.ac.at/rgf/diplomarbeiten/>
- See presentations and samples

- Author: Rony G. Flatscher
- A logging framework for ooRexx
  - Allows logging statements in a program
  - Logging can be configured at runtime or via a configuration file (logging levels, appenders, formatters, etc.)
- See presentations and samples



- Author: Rick McGuire
- A powerful regular expression implementation in ooRexx
  - Hosted in the ooRexx sandbox on SourceForge
- See `oorexxshell` demos which use this package



- Author: Josep Maria Blasco
- A complete Rexx and ooRexx parser
- Includes Rexx and ooRexx highlighting for ANSI, HTML and LaTeX
- See presentations and samples
- Cf. <https://github.com/JosepMariaBlasco/rexx-parser>



- Author: Dom Wise
- A powerful, multiplatform Rexx and ooRexx GUI debugger
- See presentations and samples
- Cf. <https://github.com/DomJWise/ooRexxDebugger>



- Author: Josep Maria Blasco
- A tool for using and experimenting with Unicode
- Allows to create Rexx programs that employ Unicode
- See presentations and samples
- Cf. <https://github.com/JosepMariaBlasco/TUTOR>

- Author: various or none
- “**W**ork in **p**rogress” programs
  - As of 2025-05-05 hosts [tracetool.rex](#) and [traceutil.cls](#) (author: Rony G. Flatscher)
    - Allows to trace any Rexx and ooRexx programs, including multithreaded programs
    - Allows to create and analyze tracelogs, even for deadlocked multithreaded programs
    - Allows to create profile data from tracelogs
- See presentations and samples



- Download or copy from USB-stick, de-quarantine, unzip the zip archive
- Run `setup.cmd` or `setup.sh` which creates the scripts
  - “run”
    - Windows: `run rexx testooress.rex`
    - Linux (and on Windows powershell): `./run testooress.rex`
  - “setenv”
    - Windows (if powershell prepend with “.”):

```
setenv
rexx testooress.rex
```
    - Linux:

```
export ./setenv
rexx testooress.rex
```

- An enhanced packages zip archive
  - Includes the portable version of ooRexx
  - Includes NetRexx which can be used if Java/OpenJDK is installed/available
  - Includes all ooRexx packages
  - Includes the `setup.cmd/setup.sh` scripts
  - Can be copied to a USB stick and used on any computer after running the setup script
- Different zip archives of net-oo-rexx for the most important operating systems (Windows, macOS, Linux)
- URL: <https://wi.wu.ac.at/rgf/rexx/tmp/net-oo-rexx-packages/>

- zip archive that contains ooRexx packages
  - `setup.cmd/setup.sh` script
- net-oo-rexx
  - Adds the latest version of ooRexx
  - Adds the latest version of NetRexx
- Can be downloaded, de-quarantized, unzipped in less than 5 minutes!
  - If placed to a different location just rerun the setup