

NetRexx 3.04

(Preliminary Release Info)

26th International Rexx Language Symposium, Vienna, Austria

April 1st. 2015

Fixes for Java 8 bytecodes

- ❖ New bytecode for Invoke Dynamic in use
- ❖ Needed to fix NetRexx's bytecode verification mechanism

Undo UTF-8 default

- ❖ 3.03 defaulted to UTF-8
- ❖ This was a mistake, fixed in r 485
- ❖ Several z/OS people complained that NetRexx stopped working on z/OS USS
- ❖ The default is rolled back to the platform character set

Add Pipes for NetRexx

- ❖ Pipes for NetRexx is the new name for njpipes
- ❖ It is integrated into the NetRexxF.jar
- ❖ This is the large one that also contains the Eclipse Java Batch compiler
- ❖ Code has been repackaged, fully tested and modernized
- ❖ Pipes compiler part is open sourced now
- ❖ New manual, partly finished

Pipes for NetRexx

- ❖ No need to import packages
- ❖ Fully integrated in runtime
- ❖ Easy to make your own pipe stages
- ❖ Mostly compatible to VM Pipelines
- ❖ You could actually use the VM manual
- ❖ Lots of working examples delivered in package

RexxTaskPool Parallel Processing

- ❖ RexxTaskPool is a parallel processing API that is much easier to use than Java thread support

List Processing API

- ❖ A simple API for List Processing in NetRexx

Do Binary

- ❖ Do Binary supports a block where operations adhere to the binary protocol
- ❖ For example, doing bitwise operations

Other, smaller changes: tools

- ❖ New level of the Eclipse Java Batch Compiler
- ❖ Use ECJ by default (Dave Woodman)
- ❖ `nrx.nanorc` : syntax coloring for the nano editor
- ❖ VI syntax coloring support
- ❖ No more looking for environment specific jars (from 3.03 GA2) - too complex, no longer tidy

Doc chg: Beans support

- ❖ After many years, the beans support feature, “properties indirect” stops being an experimental feature
- ❖ Its documentation has been moved to mainline

JZos

- ❖ Collection of utilities to make use of NetRexx really easy on the z/OS mainframe
- ❖ Read and write QSAM datasets
- ❖ Act on operator console commands
- ❖ Run effortlessly from JCL
- ❖ Free download from IBM

Scripting Support

- ❖ In Java 8, recognizes the builtin JavaScript interpreter
- ❖ On MacOSX, recognizes the AppleScript support, in addition to the JavaScript support

New 3.04 release anytime now

- ❖ 3.03 Already almost a year ago (May 2014)