New Features in ooRexx 3.2.0

New toys to play with...
Netrexx compatibility

- LOOP instruction
- LABEL on DO, LOOP, SELECT
- UPPER(), LOWER() BIFs and methods
- Multiple conditions on IF, SELECT, WHILE, and UNTIL conditions
New ::ATTRIBUTE Directive

• Cleaner way to define ::ATTRIBUTE methods

::attribute name
::attribute manager get
::attribute employeeId get
::attribute employeeId set
expose employeeId
use arg employeeId
employeeId = right(employeeId, 6, 0)
USE ARG

• Allows checked function/method arguments with default values provided for optional arguments

  use strict arg needle, option = 'N'

• Message term assignments permitted on USE ARG

  use arg self~name
• Message term assignments permitted in templates

parse var x self~name self~attribute

• New “>” and “<” triggers.
  – Gives true relative string extraction

parse var x “fred” x < 3  -- extracts 3 chars before
    -- match, not rest of string
PARSE

• Any expression permitted inside of “()” triggers

  parse var n x (n+2)
String class enhancements

- Caseless searches
- `compareTo` method() for sorting
- Region matching
Collection Class Enhancements

- New Collection, OrderedCollection, MapCollection, and SetCollection mixins
- Append method on List, Queue, Array
- AppendAll method on List, Queue, Array
- PutAll method on Map collections
- Of() method to .Queue
- Stem made a full-function map collection
- AllItems and AllIndexes methods
- HasItem and RemoveItem methods
- Empty and isEmpty methods
Collection Class Enhancements

- Improved support for multi-dimensional array arguments
- Set methods added to ordered collections
- First, Last, Next, and Previous methods for array and queue classes
- Insert method on queue class
- Array sorting
Misc, but no less important

- IsA method on object
- IsSubclassOf method on class
- SuperClass method on class
- Method and Methods on object
- ABSTRACT keyword on ::METHOD
- Pos and LastPos on MutableBuffer class
- Date('Full') and Date('Ticks')
- .DateTime and .TimeSpan classes
- .EndOfLine symbol
- Enhanced assignment operators (+=, -=, etc.)
More Misc

- Enhanced trace output
- `||` and `" "` methods supported by object class
- `isGuarded`, `isPrivate`, and `isProtected` methods on `.Method`
- Indirect call targets can be any expression
- The `.RexxQueue` class
ooDialog Enhancements

- Allow multiline text on buttons
- Improved tab visibility support
- broadcastSettingChange method on .WindowManager