

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
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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

PARSE

- 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
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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
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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.)
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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
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ooDialog Enhancements

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

