ooRexx Project Status

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2008 Rexx Symposium
Welcome to our new committers!

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Release 3.2.0

- Shipped Fall 2008
  - Largest release since ooRexx project was formed
  - New classes, reworked collection classes, many new string methods, Netrexx compatibility items
Testing, 1, 2, 3, Testing...

- Major rewrite of the ooRexx unit test framework was undertaken to better support the development and testing efforts
- Major increase in test coverage
  - Current regression test is over 500,000 assertions
- More is needed (hint, hint...)

RexxGTK

• Prototype project started by David Ashley to create a portable GUI environment
  – Early work was compatible with 3.2.0 interpreter
  – Target switched to 4.0 release to take advantage of new APIs
ooRexx 4.0

- Next major update to ooRexx
- Significant code cleanup
  - GCC warning removal
  - Consistent type usage
  - Consistent const usage
  - 64-bit cleanup work
- Good regression testing a key!
ooRexx 4.0

• New object-oriented APIs
  – Based on Java JNI and PHP Zend API styles
  – Self-describing extension packages
  – Native functions AND methods
  – Loaded via directives
  – Full access to object-oriented features of the language
    • No longer just strings
ooRexx 4.0 New Language Features

- The Routine class – like the Method class, but for declared routines
- The Package class – manipulation and loading of source packages
- The WeakReference class – A non-pinning reference to objects
- The Pointer and Buffer classes (useful in conjunction with the new APIs)
- ::CONSTANT directive
How big is it?

- **Diff comparison between 3.1.2 and 3.2.0**
  - 3.5Mb
  - 78,000 lines
- **Diff comparison between 3.2.0 and 4.0**
  - 12Mb
  - 261,000 lines