

JRuby 1.1.3 Released

The JRuby community is pleased to announce the release of JRuby 1.1.3!

Homepage: <http://www.jruby.org/>

Download: <http://dist.codehaus.org/jruby/>

JRuby 1.1.3 is the third point release of JRuby 1.1. The fixes in this release are primarily obvious compatibility problems and performance enhancements. Our goal is to put out point releases more frequently for the next several months (about 3-4 weeks a release). We want a more rapid release cycle to better address issues brought up by users of JRuby.

Highlights:

- RubyGems 1.2
- Greatly improved interpreter performance
- jrubyc compiler usability improvements and bug fixes
- Reduced memory usage and object churn
- Dozens of IO-related and core class RubySpec fixes + reduced memory for IO
- ThreadGroup fixes to resolve Mongrel "dead thread" issues
- New options/properties for tweaking JIT, thread pooling, and more
- Block invocation performance improvements
- Much faster Time performance
- Much better support for --debug
- Mentioning that context classloader fix would be nice (since it quite user visible, and many it quite seen/asked for it).
JRUBY-2495
- 82 issues resolved since JRuby 1.1.2

Issues fixed:

- JRUBY-2495 Requiring and using a Java library that ends up using a Thread Context classloader doesn't work.
- JRUBY-2582 Strip out gem cruft dring ant dist
- JRUBY-2584 Comparable#== behavior differs from MRI
- JRUBY-2585 Hash.[] should call to_hash if only one argument is provided
- JRUBY-2590 [1.8.7] SecureRandom crashes, fails new rubyspecs
- JRUBY-2592 Two JRuby crashes on Readline::HISTORY rubyspecs
- JRUBY-2598 Rubygems installs non-functioning BAT files on Windows
- JRUBY-2601 New default for jruby.jit.threshold property is not reflected in the --properties listing on jruby command line ref. JRUBY-2514
- JRUBY-2605 Kernel.eval with yield behaves differently than MRI 1.8.6/1.8.7, causes some libraries failures with JRuby
- JRUBY-2607 Gather all JRuby RubyGems changes out of RubyGems libs and into a single monkey-patching file
- JRUBY-2614 StringIO#readlines("") hangs JRuby
- JRUBY-2615 IO.popen doesn't allow shell commands to access STDIN
- JRUBY-2617 gem install appears to be bulk updating every time.
- JRUBY-2623 Rubyspec failures for StringIO's #close, #close_write, #close_read and #<<
- JRUBY-2624 Object#initialize_copy should always be private
- JRUBY-2625 IO#read_nonblock is broken
- JRUBY-2628 StringIO's methods (new and truncate) should raise appropriate exceptions
- JRUBY-2629 StringIO#<< and various read methods crash ruby if invoked on only-allocated object
- JRUBY-2630 direct loading .class files fails with an IO Error
- JRUBY-2631 jruby's select() doesn't properly handle objects that implement to_io
- JRUBY-2632 IO#readpartial doesn't handle unget char
- JRUBY-2633 Kernel#select with non-array argument crashes JRuby
- JRUBY-2635 IO#readpartial crashes when negative argument is specified
- JRUBY-2636 IO#readpartial doesn't honor maxlength parameter and always returns the whole buffer content
- JRUBY-2637 Channelstram should null the buffer in close()
- JRUBY-2638 StringIO#initialize_copy is not implemented
- JRUBY-2644 TCPServer#close doesn't interrupt any pending #accept's
- JRUBY-2646 NullPointerException when trying to invoke method whose arity is three and that is given a block.
- JRUBY-2650 Block construction/instantiation is slower in compiled than interpreted
- JRUBY-2652 NativeException does not have a direct accessor for the wrapped exception
- JRUBY-2653 test_threaded_nonlocal_return test sometimes fail with an apparent threading issue
- JRUBY-2659 StringIO#ungetc crashes JRuby in some cases
- JRUBY-2660 More than 30 rubyspec failures for StringIO
- JRUBY-2662 Tag or fix remaining OS X spec failures
- JRUBY-2664 --debug option on Windows is broken
- JRUBY-2667 Plenty of new StringScanner failures for JRuby
- JRUBY-2669 StringScanner#peek crashes JRuby in some situations
- JRUBY-2671 NullPointerException when converting an Array of Ruby that includes an instance of java primitive class.
- JRUBY-2677 Problem in Process Command Line Arguments
- JRUBY-2679 Selectively Disable JIT Compiler using command line options
- JRUBY-2681 Multiple IO#readlines rubyspec failures

JRUBY-2683 Regexp#to_s behaves differently than MRI 1.8 or MRI 1.9
JRUBY-2684 gem management requires too much memory
JRUBY-2687 Socket.for_fd generates ArgumentError when running EventMachine gem (pure_ruby version)
JRUBY-2692 BigDecimal#add never uses the precision arg, fails new rubyspec tests
JRUBY-2693 PROGRAM_NAME is not available in the modules included via -r command line option
JRUBY-2694 [1.8.7] Ability to specify suffix/extension for Tempfile
JRUBY-2695 Exception in the thread is not printed when Thread.abort_on_exception is set to true
JRUBY-2696 Kernel.raise should print the one-line exception info to \$stderr in DEBUG mode
JRUBY-2698 Time.new inconsistencies
JRUBY-2699 If user's PATH contains '.' and 'jruby' resolves to './jruby', JRUBY_HOME is incorrectly set to '.', leading to 'NoClassDefFoundError'
JRUBY-2704 Upgrade rubygems to version 1.2
JRUBY-2707 JRuby does not load AOT compiler escaped name
JRUBY-2709 Interpreter crashes on a new rubyspecs for rescue
JRUBY-2710 CGI#out fails new rubypecs, prints results to original stdout rather than to the redefined one
JRUBY-2711 RubyArray keeps references to unreachable RubyObjects after clear, reject!, delete and delete_at
JRUBY-2713 AOT Compiler should default to no prefix
JRUBY-2714 Major performance slowdown when loading AOT compiled file
JRUBY-2717 Dir[...] does not accept more than two arguments
JRUBY-2719 Mongrel can't handle heavy load, fills up with threads and starts dropping connections
JRUBY-2721 ThreadGroup should not ever hold on to dead threads in its list
JRUBY-2722 Interpreter passes absolute path to the EventHook for 'require'd files
JRUBY-2723 Interpreter passes wrong position on 'return' event
JRUBY-2728 Deadlock in Thread#exit when being joined from outside
JRUBY-2729 Kernel#caller should not cut off at eval like backtraces do
JRUBY-2730 Multiply-binding JRubyMethods with meta=true are not processed correctly by AnnotationBinder
JRUBY-2731 Significant speedup of Time methods (up to 300%-400% in some cases)
JRUBY-2733 StringIO#each_byte doesn't update pos, fails new Rubyspecs
JRUBY-2735 String#% should use to_ary to convert the argument to Array
JRUBY-2738 TCPServer#peeraddr on crashes JRuby
JRUBY-2742 Major code duplication in BAT files
JRUBY-2751 Array#fill should return self instead of raising an error when length is negative
JRUBY-2753 c-return passes different 'file' then c-call for load and require
JRUBY-2769 I/O Error (sysseek for buffered IO) when using reliable-message library
JRUBY-2770 IO#sysseek after IO#sysread raises IOError
JRUBY-2773 Crashes when using Enumerator#to_enum with Threadify#threadify
JRUBY-2779 Race condition in IO
JRUBY-2781 Can't compile Build 7142
JRUBY-2786 Lots of JRuby crashes on ARGF methods
JRUBY-2789 IO#read crashes JRuby when pos is bigger than the file length
JRUBY-2809 Not all at_exit blocks are being executed.
JRUBY-2814 release jna-posix and update jruby afterwards