

Jikes RVM 3.1.1 Released

Jikes RVM version 3.1.1 has been released and is available for download at <http://downloads.sourceforge.net/jikesrvm/jikesrvm-3.1.1.tar.bz2>

Details are given below, or are browsable online in our JIRA instance at <http://jira.codehaus.org/browse/RVM/fixforversion/14900>.

New Feature

- RVM-839 - Support for Reference Types in the MMTk Harness
- RVM-841 - Make it possible to query the compiler to direct optimization
- RVM-845 - Primitive write barrier support

Improvement

- RVM-846 - MMTk Harness: Provide command-line option for watching addresses
- RVM-848 - Update bootimage writer with known static fields for Harmony classlib
- RVM-861 - Refactor bulkCopy optimisations for RVMArray arraycopy's

Bug

- RVM-184 - MarkCompactLocal.compact():80 assertion failure
- RVM-604 - Require two different host JVMs to successfully build on Linux/PowerPC
- RVM-639 - Spec JVM 98 javac failing with Harmony
- RVM-693 - Regression in TestSerialization with Harmony
- RVM-827 - Crash in GC while running Eclipse IDE
- RVM-831 - Incomplete implementation of GetFieldID and GetStaticFieldID
- RVM-832 - Mature space mutator allocator reset before semi-space flip
- RVM-833 - GC failures with ia32 BaseBase compiler, ExtremeAssertions and -X:gc:verbose=1
- RVM-834 - Assertion failure in ExtremeAssertionsBaseBaseSemiSpace
- RVM-836 - Static initialization loop in Generational collectors
- RVM-838 - MMTk Harness 'Spawn' script fails with an NPE on multiprocessors
- RVM-840 - MMTk Harness fails on Poisoned heap collector
- RVM-854 - Failed to find a value to spill when
- RVM-856 - RVM fails to build under OS X 10.6
- RVM-860 - ExtremeAssertionsOptAdaptive compiler failure for jvm98 _227_mtrt on ppc32
- RVM-862 - 2 static fields using an identic slot
- RVM-863 - BumpPointer.scanRegion can cause a page fault
- RVM-864 - Build failure using IBM Java 6 SDK as host JVM on linux-ia32
- RVM-879 - Mark Compact does not work with Native Threads
- RVM-887 - RVM failure at startup when using -Xbootclasspath (Trying to load a class too early in the booting process)
- RVM-889 - JSR166 tck fails EntryTest, PriorityQueueTest and PriorityBlockingQueueTest
- RVM-890 - MarkCompact broken by new threading model
- RVM-894 - MMTk Harness doesn't allow Log.writeln in constructors