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# Loading jars for integration with Ruby

New issue

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cheerfulstoic opened this issue Mar 30, 2015 · 2 comments



cheerfulstoic commented Mar 30, 2015

@subvertallchris just updated the `neo4j-community` gem to use the jars from version 2.2.0 of Neo4j. Unfortunately I'm getting a JRuby stack trace (see below). Looking into it, maybe there's a problem because we're just loading all of the jars alphabetically? What do you think?

<https://github.com/neo4jrb/neo4j-community/blob/master/lib/neo4j-community.rb#L15>

The error from JRuby:

```
Failure/Error: Unable to find matching line from backtrace
Java:::JavaLang::NoClassDefFoundError:
  org.neo4j/kernel/impl/nioneo/store/FileSystemAbstraction
# java.lang.Class.getDeclaredMethods0(Native Method)
# java.lang.Class.privateGetDeclaredMethods(Class.java:2688)
# java.lang.Class.getDeclaredMethods(Class.java:1962)
# org.jruby.javasupport.JavaClass.getMethods(JavaClass.java:2133)
# org.jruby.javasupport.JavaClass.setupClassMethods(JavaClass.java:999)
# org.jruby.javasupport.JavaClass.access$800(JavaClass.java:97)
# org.jruby.javasupport.JavaClass$ClassInitializer.initialize(JavaClass.java:655)
# org.jruby.javasupport.JavaClass.setupProxy(JavaClass.java:696)
# org.jruby.javasupport.Java.createProxyClass(Java.java:574)
# org.jruby.javasupport.Java.createProxyClassForClass(Java.java:502)
# org.jruby.javasupport.JavaSupport$3.computeValue(JavaSupport.java:154)
# org.jruby.javasupport.JavaSupport$3.computeValue(JavaSupport.java:151)
# org.jruby.util.collections.MapBasedClassValue.get(MapBasedClassValue.java:18)
# org.jruby.javasupport.JavaSupport.getProxyClassFromCache(JavaSupport.java:207)
# org.jruby.javasupport.Java.getProxyClass(Java.java:450)
# org.jruby.javasupport.Java.getProxyClass(Java.java:446)
# org.jruby.javasupport.Java.get_proxy_class(Java.java:548)
# org.jruby.javasupport.JavaUtilities.get_proxy_class(JavaUtilities.java:34)
# org.jruby.javasupport.JavaUtilities$INVOKER$s$1$0$get_proxy_class.call(JavaUtilities.java:326)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:326)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:170)
# org.jruby.ast.CallOneArgNode.interpret(CallOneArgNode.java:57)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:18)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:203)
# org.jruby.RubyClass.finvoke(RubyClass.java:742)
# org.jruby.runtime.Helpers.invoke(Helpers.java:503)
# org.jruby.RubyBasicObject.callMethod(RubyBasicObject.java:363)
# org.jruby.RubyModule.getConstantFromConstMissing(RubyModule.java:3089)
# org.jruby.ast.Colon2ConstNode.interpret(Colon2ConstNode.java:40)
# org.jruby.ast.CallNoArgNode.interpret(CallNoArgNode.java:60)
# org.jruby.ast.CallNoArgNode.interpret(CallNoArgNode.java:60)
# org.jruby.ast.InstAsgnNode.interpret(InstAsgnNode.java:95)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:13)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:187)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:306)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:136)
# org.jruby.ast.CallNoArgNode.interpret(CallNoArgNode.java:60)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
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# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:187)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:306)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:136)
# org.jruby.ast.VCallNode.interpret(VCallNode.java:88)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.ast.IfNode.interpret(IfNode.java:118)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
```

Labels

None yet

Milestone

No milestone

Assignee

No one assigned

2 participants



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# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:13)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:187)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:306)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:136)
# org.jruby.ast.VCallNode.interpret(VCallNode.java:88)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_BLOCK(ASTInterpreter.java:112)
# org.jruby.runtime.Interpreted19Block.evalBlockBody(Interpreted19Block.java:206)
# org.jruby.runtime.Interpreted19Block.yield(Interpreted19Block.java:194)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:177)
# org.jruby.runtime.Block.yieldNonArray(Block.java:153)
# org.jruby.RubyBasicObject.yieldUnder(RubyBasicObject.java:1585)
# org.jruby.RubyBasicObject.instance_exec19(RubyBasicObject.java:1562)
# org.jruby.RubyBasicObject$INVOKER$i$0$3$instance_exec19.call(RubyBasicObject$INVOKER
# org.jruby.internal.runtime.methods.DynamicMethod.call(DynamicMethod.java:210)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:336)
# org.jruby.runtime.callsite.CachingCallSite.callBlock(CachingCallSite.java:179)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:183)
# org.jruby.ast.FCallSpecialArgBlockPassNode.interpret(FCallSpecialArgBlockPassNode.j
# org.jruby.ast.ReturnNode.interpret(ReturnNode.java:92)
# org.jruby.ast.IfNode.interpret(IfNode.java:116)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:20)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:211)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:336)
# org.jruby.runtime.callsite.CachingCallSite.callBlock(CachingCallSite.java:179)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:183)
# org.jruby.ast.CallOneArgBlockPassNode.interpret(CallOneArgBlockPassNode.java:60)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:18)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:203)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:326)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:170)
# org.jruby.ast.CallOneArgNode.interpret(CallOneArgNode.java:57)
# org.jruby.ast.UntilNode.interpret(UntilNode.java:120)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:13)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:187)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:306)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:136)
# org.jruby.ast.CallNoArgNode.interpret(CallNoArgNode.java:60)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:26)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:235)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:366)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:238)
# org.jruby.ast.FCallThreeArgNode.interpret(FCallThreeArgNode.java:40)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_BLOCK(ASTInterpreter.java:112)
# org.jruby.runtime.Interpreted19Block.evalBlockBody(Interpreted19Block.java:206)
# org.jruby.runtime.Interpreted19Block.yield(Interpreted19Block.java:157)
# org.jruby.runtime.Interpreted19Block.yieldSpecific(Interpreted19Block.java:130)
# org.jruby.runtime.Block.yieldSpecific(Block.java:111)
# org.jruby.ast.ZYieldNode.interpret(ZYieldNode.java:25)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.EnsureNode.interpret(EnsureNode.java:96)
# org.jruby.ast.BeginNode.interpret(BeginNode.java:83)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_BLOCK(ASTInterpreter.java:112)
# org.jruby.runtime.Interpreted19Block.evalBlockBody(Interpreted19Block.java:206)
# org.jruby.runtime.Interpreted19Block.yield(Interpreted19Block.java:194)
# org.jruby.runtime.Interpreted19Block.yield(Interpreted19Block.java:177)
# org.jruby.runtime.Block.yieldNonArray(Block.java:153)
# org.jruby.RubyBasicObject.yieldUnder(RubyBasicObject.java:1625)
# org.jruby.RubyBasicObject.specificEval(RubyBasicObject.java:1651)
# org.jruby.RubyBasicObject.instance_eval19(RubyBasicObject.java:1533)
# org.jruby.RubyBasicObject$INVOKER$i$instance_eval19.call(RubyBasicObject$INVOKER$i$
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:316)
# org.jruby.runtime.callsite.CachingCallSite.callBlock(CachingCallSite.java:145)
# org.jruby.runtime.callsite.CachingCallSite.callIter(CachingCallSite.java:154)
# org.jruby.ast.CallNoArgBlockNode.interpret(CallNoArgBlockNode.java:64)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:20)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:211)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:336)
# org.jruby.runtime.callsite.CachingCallSite.callBlock(CachingCallSite.java:179)

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# org.jruby.runtime.callsite.CachingCallSite.callIter(CachingCallSite.java:188)
# org.jruby.ast.CallOneArgBlockNode.interpret(CallOneArgBlockNode.java:60)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.ast.EnsureNode.interpret(EnsureNode.java:96)
# org.jruby.ast.BeginNode.interpret(BeginNode.java:83)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:18)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:203)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:326)
# org.jruby.runtime.callsite.CachingCallSite.call(CachingCallSite.java:170)
# org.jruby.ast.FCallOneArgNode.interpret(FCallOneArgNode.java:36)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.ast.RescueNode.executeBody(RescueNode.java:221)
# org.jruby.ast.RescueNode.interpret(RescueNode.java:116)
# org.jruby.ast.EnsureNode.interpret(EnsureNode.java:96)
# org.jruby.ast.BeginNode.interpret(BeginNode.java:83)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
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# org.jruby.ast.CallOneArgNode.interpret(CallOneArgNode.java:57)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_BLOCK(ASTInterpreter.java:112)
# org.jruby.runtime.Interpreted19Block.evalBlockBody(Interpreted19Block.java:206)
# org.jruby.runtime.Interpreted19Block.yield(Interpreted19Block.java:157)
# org.jruby.runtime.Block.yield(Block.java:142)
# org.jruby.RubyArray.collect(RubyArray.java:2399)
# org.jruby.RubyArray.map19(RubyArray.java:2412)
# org.jruby.RubyArray$INVOKER$i$0$0$map19.call(RubyArray$INVOKER$i$0$0$map19.gen)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:316)
# org.jruby.runtime.callsite.CachingCallSite.callBlock(CachingCallSite.java:145)
# org.jruby.runtime.callsite.CachingCallSite.callIter(CachingCallSite.java:154)
# org.jruby.ast.CallNoArgBlockNode.interpret(CallNoArgBlockNode.java:64)
# org.jruby.ast.CallNoArgNode.interpret(CallNoArgNode.java:60)
# org.jruby.ast.IfNode.interpret(IfNode.java:110)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.ast.EnsureNode.interpret(EnsureNode.java:96)
# org.jruby.ast.BeginNode.interpret(BeginNode.java:83)
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# org.jruby.runtime.Interpreted19Block.yield(Interpreted19Block.java:157)
# org.jruby.runtime.Interpreted19Block.yieldSpecific(Interpreted19Block.java:135)
# org.jruby.runtime.Block.yieldSpecific(Block.java:120)
# org.jruby.ast.YieldOneNode.interpret(YieldOneNode.java:35)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.EnsureNode.interpret(EnsureNode.java:96)
# org.jruby.ast.BeginNode.interpret(BeginNode.java:83)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_METHOD(ASTInterpreter.java:74)
# org.jruby.internal.runtime.methods.InterpretedMethod.call(InterpretedMethod.java:24)
# org.jruby.internal.runtime.methods.DefaultMethod.call(DefaultMethod.java:227)
# org.jruby.runtime.callsite.CachingCallSite.cacheAndCall(CachingCallSite.java:356)
# org.jruby.runtime.callsite.CachingCallSite.callBlock(CachingCallSite.java:213)
# org.jruby.runtime.callsite.CachingCallSite.callIter(CachingCallSite.java:222)
# org.jruby.ast.CallTwoArgBlockNode.interpret(CallTwoArgBlockNode.java:62)
# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
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# org.jruby.ast.FCallThreeArgNode.interpret(FCallThreeArgNode.java:40)
# org.jruby.ast.CallNoArgNode.interpret(CallNoArgNode.java:60)
# org.jruby.ast.DAssignNode.interpret(DAssignNode.java:110)
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# org.jruby.ast.NewlineNode.interpret(NewlineNode.java:105)
# org.jruby.ast.BlockNode.interpret(BlockNode.java:71)
# org.jruby.evaluator.ASTInterpreter.INTERPRET_BLOCK(ASTInterpreter.java:112)
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# org.jruby.runtime.Interpreted19Block.yield(Interpreted19Block.java:194)
# org.jruby.runtime.Interpreted19Block.call(Interpreted19Block.java:125)
# org.jruby.runtime.Block.call(Block.java:101)
# org.jruby.RubyProc.call(RubyProc.java:290)
# org.jruby.RubyProc.call(RubyProc.java:228)
# org.jruby.Ruby.tearDown(Ruby.java:3160)
# org.jruby.Ruby.tearDown(Ruby.java:3144)
# org.jruby.Main.internalRun(Main.java:294)
# org.jruby.Main.run(Main.java:217)
# org.jruby.Main.main(Main.java:197)
```



 **subvertallchris** commented Mar 30, 2015

Maybe. They also changed some class names in 2.2.0, I wouldn't be surprised if it's looking for something that no longer exists. I can check it out a bit later.

...




**cheerfulstoic** commented Mar 30, 2015

Figured this one out. It was this issue:

[#3650](#)

Downloaded the io-tests jar and it seems to be good now



 **cheerfulstoic** closed this Mar 30, 2015

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