

JRuby: It's just Ruby



(on the JVM)

whoami

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In a haiku:

Once a sys admin,
Then a Ruby On Rails Dev,
Now a Java guy.

What's Ruby?

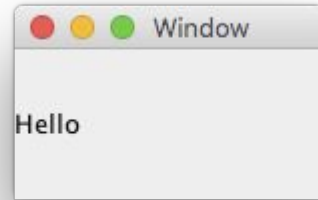


Ruby...on the JVM

```
import javax.swing.JFrame
import javax.swing.JLabel

frame = JFrame.new("Window")
label = JLabel.new("Hello")

frame.add(label)
frame.default_close_operation = JFrame::EXIT_ON_CLOSE
frame.pack
frame.visible = true
```



But, why?

Less code to do the same work

Low barrier to entry

JRuby on



```
jgem install rails
```

```
jruby -S rails new seajug_demo  
cd seajug_demo
```

```
jruby -S rails generate scaffold post title:string  
description:text
```

```
jruby -S rake db:migrate
```

```
jruby -S rails server
```



warbler

JMIX

**Live demo time
(always a bad idea)**

Why not Groovy?

Groovy = dynamic lang for Java Devs

JRuby = Java for Ruby Devs

Is it fast?

The Computer Language Benchmarks Game

Ruby JRuby programs versus Ruby
all the Ruby JRuby program measurements

by benchmark task performance

fannkuch-redux

	secs	KB	gz	cpu	cpu load
Ruby JRuby	357.64	684,468	1426	1,296.44	90% 92% 99% 82%
Ruby	788.85	37,668	1426	3,065.01	100% 99% 99% 91%

n-body

	secs	KB	gz	cpu	cpu load
Ruby JRuby	375.10	755,980	1137	382.88	23% 23% 28% 29%
Ruby	694.21	9,144	1137	694.04	0% 1% 100% 0%

k-nucleotide

	secs	KB	gz	cpu	cpu load
Ruby JRuby	80.18	1,870,964	449	85.35	8% 37% 20% 45%

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regex-dna

	secs	KB	gz	cpu	cpu load
Ruby JRuby	16.58	787,976	507	49.58	69% 67% 81% 84%
Java	8.24	761,724	929	24.70	68% 73% 77% 83%

pidigits

	secs	KB	gz	cpu	cpu load
Ruby JRuby	12.70	666,456	242	18.54	18% 46% 66% 17%
Java	3.12	33,528	938	3.22	3% 2% 80% 21%

binary-trees

	secs	KB	gz	cpu	cpu load
Ruby JRuby	97.69	1,190,220	402	153.50	31% 49% 46% 35%

Who should use it?

You should use it.

tryruby.org

jruby.org/download