

JRuby

Me

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Ruby / Rails Resources

- Tampa Ruby Brigade
- Helpful Links, Books, Screen Casts plus this Presentation

`http://tinyurl.com/pkqbrr`

My Favorite Resources

- Reading other Rubyists code
 - (you spend time reading code, right???)
 - Especially Jim Weirich's
 - or `_why`
 - Follow projects on github.com -- like FaceBook but for code!
- railscasts.com
- Pragmatic Screencasts (especially Meta Programming series)

Ruby Landscape

- MRI
- Rubinius (Ruby in Ruby)
- JRuby (Ruby in Java)
- IronRuby (Ruby in .NET)
- MacRuby (Ruby in Objective C)
- MagLev (Ruby in SmallTalk VM)
- Diamondback Ruby (Static Typing in Ruby)

Why?

First they ignore you

Then they laugh at you

Then they fight you

Then you win.

Why?

- “Right Tool for the Right Job”
- Matz says (paraphrased) “I am a language designer, not an implementer.”
- Community taken up charge of defining language through RubySpec project.



JRuby

What is it?

- JRuby is an 100% pure-Java implementation of the Ruby programming language
- Running Ruby applications on the JVM
- Makes wide array of Java libraries available to Ruby
- The JVM is fast, may become fastest Ruby implementation

History

- Started in 2001
- Picking up steam in 2006
- Rails support
- JIT
- GlassFish
- Mostly Ruby 1.9 compatible

Rails Specific

- GlashFish Application Server
- Warbler
 - Package an entire Rails app (gems, application files) as a deployable WAR file

Rails app in a Java Server



Future

- invokedynamic
- Ruby to Java types
- Byte code generating

Installing

- Download from: <http://dist.codehaus.org/jruby>
- Extract
- Add to profile (OS X / Linux)

```
export JRUBY_HOME=/path/to/ruby
```

```
export PATH=${PATH}:${JRUBY_HOME}/bin
```
- Add to system path and add environment variable Windows

Demos

- Calling Java libraries from Ruby
- Extend an existing Java class
- Testing Java code from Ruby