

RubyWorld '09

Bringing Ruby to the Java World

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Who are we?

- Thomas Enebo and Charles Oliver Nutter
- “Full-Time” JRuby developers
- Recently hired by Engine Yard
- 12+ years as Java devs
- Minnesota-jin

What is JRuby?

- Ruby runtime implemented on JVM
- Compatible with Ruby 1.8.7 (and 1.9.x)
- Open Source
- Can easily interact with Java

JRuby Differences

- Native Threads
 - Use all Processors in your machine
- No Native C Extensions
 - Common ones ported (e.g. YAML)
 - FFI is the future?



Why JRuby?

Java Libraries

- JRuby can access any Java Library
- Including legacy Java in your business
- Or even other Java languages

Java is Everywhere

- Java Application Servers are pervasive
 - No need to install new software
 - No need to train staff
 - Less resistance for Ruby
 - “It’s just a jar file”
 - Java technology

Java is mature

- Centuries of effort put into Java
 - Runtimes in the years for applications
 - Very fast (matches C/C++ performance)
 - Many tools to manage Java

JRuby Codebase

- 3 Full-Time engineers continually improving JRuby
- Large number of community contributions
- 2-3 month release cycle
- Things keep getting better and better



Demos!

3D Gaming

- JRME - Ruby wrapper for JMoneyEngine
 - 3D scenegraph library
 - Hardware Accelerated
 - Fun!!!

Android

- Google's new mobile platform
- Runs JRuby very well
- Ruby as a mobile language!

Hibernate

- Many Java frameworks need real classes
- Turn Ruby classes into Java classes
- Add signatures, annotations



JRuby Users

Google App Engine

- Rack-based Applications (Ruby on Rails)
- Automatically scales based on load
- Gives Access to Google Services
 - Big Table

Kenai.com

- Sourceforge++
 - revision control, mailing lists, wiki, content management,
- >2k OSS projects, 17k Users, 25k hits
- Growing fast

Auktionskompaniet.com

- Sweden's biggest Auction House
 - >100k hits a day
- Needed Access to Java libraries

Pons.eu

- European On-line Dictionary
 - Millions of searches a day
- Reasons:
 - All data in-memory
 - Uses Java indexing software

Trisano

- Infectious Disease Reporting System
 - Fighting H1N1!
- Reasons:
 - .war deployment
 - All customers use Java already
 - Come from a Java background

Gardermoen Airport

- Application for refueling Jets in Oslo
- Reasons:
 - Third party Java libraries

Links

- www.jruby.org
- blog.headius.com
- blog.enebo.com
- [twitter: headius](https://twitter.com/headius)
- [twitter: tom_enebo](https://twitter.com/tom_enebo)