JRUBY PONY SHOW

JRuby Guys, Engine Yard

ありがとうございます.

- Special thanks to JRubyKaigi Organizers:

  - Ayumu Aizawa　相澤歩

  - Koichiro Ohba　大場光一郎

  - Naoto Takai　高井直人

QUIZ TIME

JRUBY HISTORY

- Every project starts with an idea!

Subject: [ruby-talk:**13703**] **Ruby on a JVM - good or bad idea?**
From: **Stefan Matthias Aust** <sma 3plus4.de>
Date: Mon, 16 Apr 2001 23:11:24 +0900
`Hi!`

- Someone else starts the project

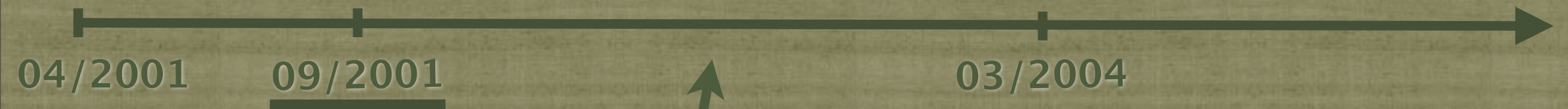Subject: [ruby-talk:**21362**] **[Ann] JRuby - Ruby interpreter in Java**
From: **Jan Arne Petersen** <j...tersen web de>
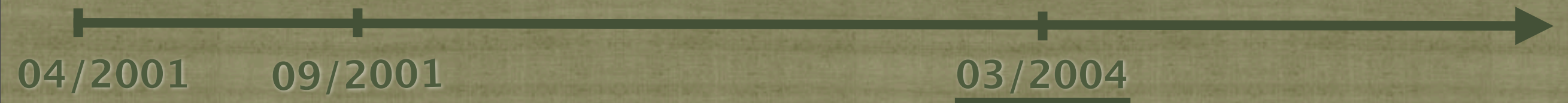Date: Wed, 19 Sep 2001 08:43:10 +0900

Our Matz?!?!

```
Hello!

JRuby is the effort to recreate the Ruby interpreter
in Java.
```

04/2001   09/2001   **03/2004**

- Occasional spurts of progress

  - Mostly just weekend and evening Open Source contributions

- Ruby 1.6 -> 1.8 conversion

  - Some libraries working

  - Most of standard lib there but compatibility was poor

09/2005   05/2006

- JavaOne 2006

  - Simple Rails application running....barely (JRuby 0.9.0)

  - Gems, Rake, and many libs largely working

05/2006   **09/2006**

- Charlie and Tom are hired to work Full-Time on JRuby

  - Sun's acknowledgement that JVM not just for Java

  - Development accelerates

- JavaOne 2007

  - JRuby 1.0!

  - Normal Rails applications run ok

    - Production Ready?

- January 2008

  - 1.1 released

    - Very stable series

    - Production ready!
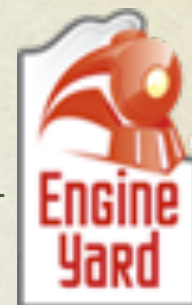
01/2008   08/2009   10/2009   11/2009

- 8/09 - Tom, Nick Sieger, and Charles move to Engine Yard

- 10/09 - JRuby 1.4

  - First release where compatibility is assumed

- 11/09 - JRubyconf

  - First JRuby-specific conference

Stickers!
ステッカー

- JRuby 1.5.2

  - 100% green Rails test runs

  - performance on par with Ruby 1.9.2

ANDROID: RUBOTO

- Ruby Summer of Code Project

  - Student: Daniel Jackoway (@jackowayed)

  - http://github.com/ruboto

  - ruboto-irb - IRB, editor, scripts

  - ruboto-core - generator, APIs, tools

NATIVE C EXTENSIONS

- Ruby Summer of Code

- Student: Tim Felgentreff (@timfelgentreff)

- Ruby C API wrapper around JNI

- Many extensions work already

- Perf isn't great, but maybe "good enough"

WIN32OLE

- Windows Automation

- Paid contract to add Win32OLE to JRuby

- Based on 1.9 API

- Using Jacob (with Huuuge modifications)

PERFORMANCE (1)

- Dynamic optimizations in JRuby compiler

- Turn dyn calls into mostly-static calls

PERFORMANCE (2)

- Subbu Sastry (phd - Java optimizing compiler)

  - Ruby-level instruction set

  - Optimize *before* JIT

  - Only experimental feature in 1.6

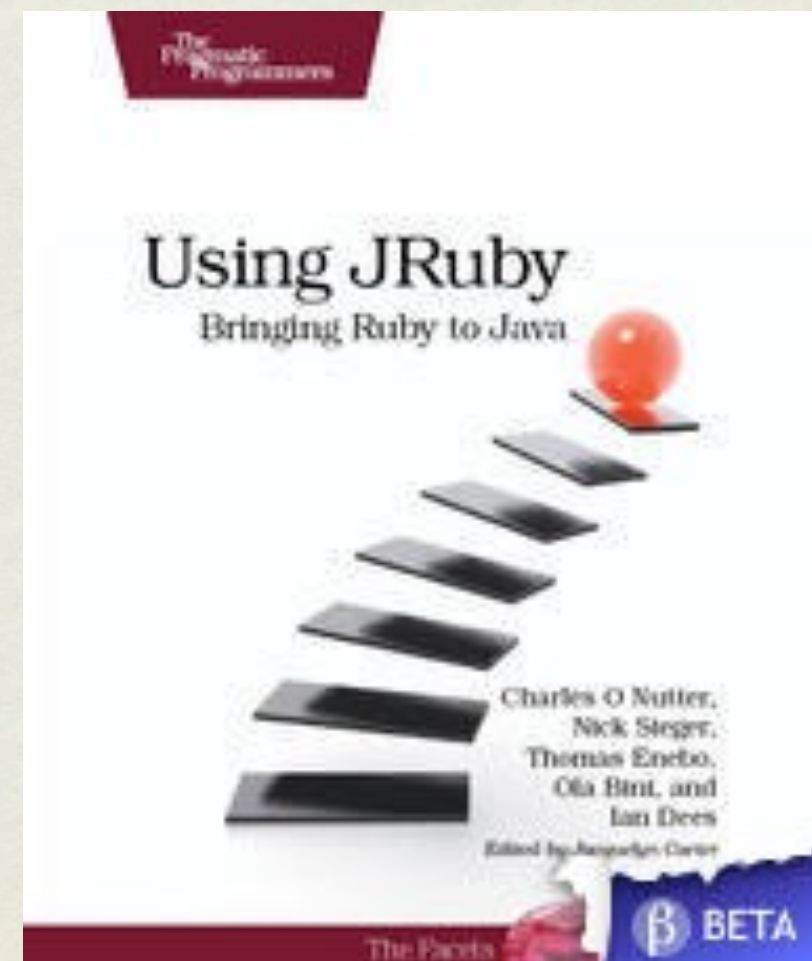1.6   **Future**   fork()

JRUBY NEEDS YOU!

- Ruby 1.9 features like Encoding

- New platforms like Android, GAE

- C-only libs/exts ported to Java

- Promoting JRuby in Japan

- Talk to JRubyKaigi speakers!

- JRuby Users JP (@jruby_users_jp)

BOOK!

http://pragprog.com/titles/jruby/using-jruby

- In Beta

- In English

JRUBYCONF 2010

- Second JRubyConf

- Oct 1-3, 2010

- Columbus Ohio

- http://jrubyconf.com/

ENJOY JRUBYKAIGI!