The State of OpenJDK

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Progress!

Mercurial

Encumbrances

Developers' Guide

TCK & TM Licenses

New Groups & Projects

Governance

OpenJDK 6

Mercurial

12/4   Read-only repositories
2/27   Gates open

kelly.ohair@sun.com
http://hg.openjdk.java.net
http://selenic.com/mercurial

Encumbrances

Fully buildable != fully free

25,169 source files

894 (4%) binary only ("plugs")

Encumbrances

Graphics rasterizer

Font rasterizer

Imaging APIs

Sound engine

Crypto providers

Some SNMP code

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Developers' Guide (draft 0.01)

http://openjdk.java.net/guide

guide-discuss@openjdk.java.net

Iris Clark <iris@sun.com>

TCK License

OpenJDK Community
TCK License Agreement
"OCTLA"

Trademark License (in draft)

- No signature, no click-through
  - > Just another LICENSE-type file in the tree
- Allows limited use for the obvious things
  - > Package names: *openjdk-6-jre.rpm*
  - > Version strings: *OpenJDK 6 Runtime Environment*
  - > **Question:** Did we miss any other cases?
- Requires the vast majority of the code to be identical to upstream
- Text currently being finalized

New Groups & Projects

Groups   Porters
             Conformance

Projects Framebuffer Toolkit
             Multi-Language VM
             JDK 7
             JDK 6
             Haiku Port

Interim Governance Board

Prof. Doug Lea
SUNY Oswego

Fabiane Biznella Nardon
CTO, ZILICS

Dalibor Topić
Max-Planck Institute for Computer Science

Simon Phipps
Chief Open-Source Officer, Sun Microsystems

Mark Reinhold
Java SE Chief Engineer, Sun Microsystems

OpenJDK 6

Joseph Darcy
Lead Engineer

Fully free   *No binary plugs*
Reasonably stable   *Unlike JDK 7*
Eventually compatible *But not right away*

Sun's goal: Integration into as many
             Linux distributions as possible

OpenJDK 6: Builds

b05 — 2/14

b06 — 2/29, maybe earlier
  Imaging classes
  SNMP plug not required for build
  JAX-WS upgrade to 2.1
  Latest security fixes (6u5)

b07 — ?

OpenJDK 6: Quality

- Product test — "Pretty good"
  - > Handful of regressions compared to Sun's product binaries
- JCK — ~50 test failures
  - > Some will be resolved by upgrading JAX-WS
- Application testing
  - > OpenOffice, GlassFish, Tomcat look good
  - > NetBeans — Works well, two bugs identified
    - > One is a general Linux printing bug
  - > Eclipse — Only lightly tested ("Hello World")

OpenJDK 6: Stability

Future changes will be limited

Replace an encumbrance (sound, SNMP)
Improve an encumbrance replacement
Improve Linux integration
Fix a security bug
Fix a JCK failure

OpenJDK 6

Please join us!

jdk6-dev@openjdk.java.net

http://openjdk.java.net/projects/jdk6

joseph.darcy@sun.com

Still to come …

Draft & ratify Constitution

Infrastructure improvements
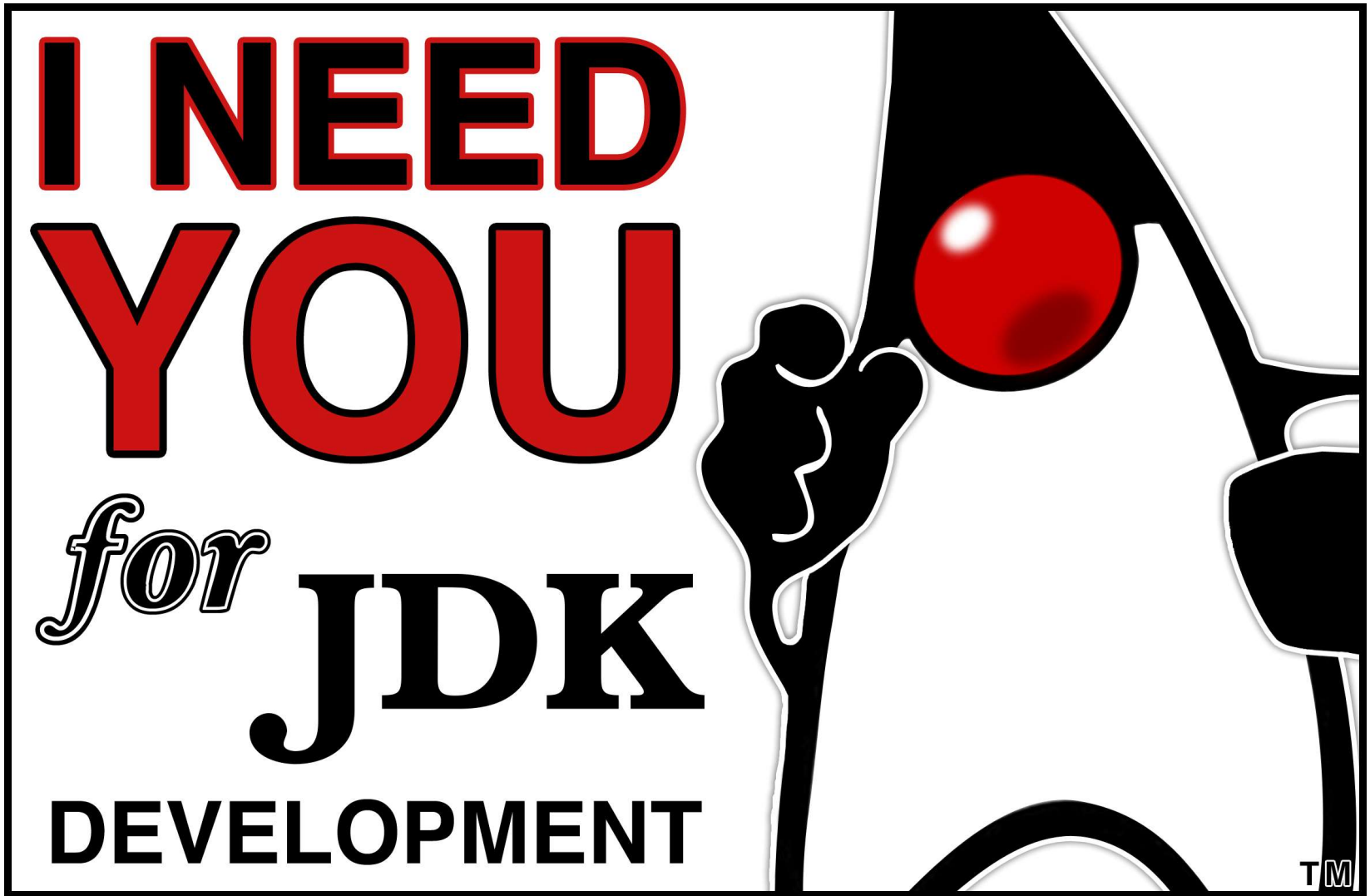
Code reviews, OpenGrok, wiki, bug database, …

Externalize processes & tools

Finish work on encumbrances

Release deployment code

Poll question

Bugzilla

or

JIRA?

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