Java Everywhere

*Pieces of 8*

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The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle’s products remains at the sole discretion of Oracle.
What is Java? (circa 1995)

“A simple, object oriented, distributed, interpreted, robust, secure, architecture-neutral, portable, high performance, multithreaded, dynamic language”

– Dr. James Gosling
Some Benefits of Java

• Simple (relatively)
• Stable
• Fast
• Scalable
• Easy to read and maintain
• Choice of compatible implementations
• Great software ecosystem
• Future-proof
  – We optimize for new HW/OS
Version History

- JDK 1.0  Jan 1996
- JDK 1.1  Feb 1997
- JDK 1.2  Dec 1998
- JDK 1.3  May 2000
- JDK 1.4  Feb 2002
- JDK 5.0  Sep 2004
- JDK 6   Dec 2006
- ...
ACQUISITION

Image Credit: http://aterocana.blogspot.se/2011_07_01_archive.html
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- JDK 6   Dec 2006
- JDK 7   Jul 2011
Recent Headline

“The Second Coming of Java: A Clinton Era Relic Returns to Rule Web”

– Wired, Sep 25, 2013
Roadmap Principles

• Major releases – Every 2 years
• Minor/Feature releases – 3 in between each major, roughly 6 month cadence
• Security and bug fix releases – Quarterly, dates announced 1 year in advance, synchronized between major release lines
Top 8 Reasons to Use JDK 8

Coming March 18 (1.8, get it?)

• Project Lambda & Stream APIs
• New Date and Time APIs
• Compact Profiles
• Nashorn
• Java Flight Recorder/Java Mission Control
• No more permanent generation!
• Updated standards
• Developed in OpenJDK
Before

JIRA -> XML -> grep/awk/perl

CSV -> Excel
After

JIRA -> XML -> Java 8

Lambda Streams Date/Time JavaFX
Things You Can Do to Help

• Try weekly JDK builds and give feedback!
  – 7u60, 8u20, 9!
• Move to Java 8 as soon as you can
• Join a Java User Group
• Check out OpenJDK (and AdoptOpenJDK)
Top 8 Great Things About OpenJDK

• Transparency
• Collaboration with the best minds on Java
• Members from different companies and backgrounds
• Increasing y/y contributions and membership
• Improving infrastructure
• Open innovation
• AdoptOpenJDK
• Java SE RI is OpenJDK – increased compatibility
Join Us!

- **Tues@6pm**, Reception & Meet Experts from Oracle to discuss Java 8, Eclipse, Mobile, Cloud or Beer...
- **Wed@1:30pm**, Developing On-Device Java Mobile Apps for iOS ... and Android too
- **Wed@2:15pm**, Java Application Development Lifecycle in the Cloud
- **Wed@6pm**, Java EE Meetup!