



Java Everywhere

Pieces of 8

Georges Saab

VP Java Platform Group, Oracle

Mark Reinhold

Chief Architect, Java Platform Group, Oracle

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God Morgon!

To Do Lists

- Make 'to do list'
- Cross off first item on list
- Realize you have already completed 2 items and pat yourself on the back
- Take nap

Top 8 Top 8 Lists

- Top 8 top 8 lists
- Benefits of Java
- Reasons to move to Java SE 8
- Great things about OpenJDK
- Industry trends (and)
- Future ideas for Java
- Reasons to attend Jfokus
- Things you can do to help

What is Java? (circa 1995)

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

– Dr. James Gosling

Top 8 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 7 Jul 2011**

Recent Headline

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

– Wired, Sep 25, 2013

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

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

Top 8 Trends & Futures

- Big Data Streams API, Big Arrays
- Cloud Monitoring, mgmt, resource control
- Small Data Density, Value Types
- FP Project Lambda, Value Types
- Polyglot InvokeDynamic, MOP, Value Types
- Embedded/IoT Compact profiles, Modular platform
- Async I/O Java SE 7
- GPUs Project Sumatra

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
- And speaking of regularly occurring events...

Top 8 Reasons to Attend Jfokus

- Stockholm in Winter!
- Regnblandat snö
- Excellent speakers!
- Helpful staff!
- Great conference venue!
- Listen, learn, discuss, innovate
- Better than a day in the office!
- Mark and me in frumpy hats!

Top 8 Things You Can Do to Help

- Try weekly JDK builds and give feedback!
 - 7u60, 8, 8u20
- Move to Java 8 as soon as you can
- Fight the FUD!
- Join a Java User Group
- Check out OpenJDK (and AdoptOpenJDK)
- Come work on the Java team (in Stockholm)
- Don't call your co-workers names!
- Wear a frumpy hat!!

