JVM Language Summit:
Moving Java Forward, aka ‘Pointy haired manager talk’

Georges Saab
Java Platform Group
July 19, 2011
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.
Agenda

• Management Turing test
• Q&A
Who am I, why should you care?

- Hacking on Prolog at Quintus (89-94)
- Financial Software in Europe (94-96)
- Hacking on Java at Sun (96-2000)
- Starting companies at the wrong time (2000- 2002)
- Managing JRockit team at BEA (2002-2008)
- VP of JRockit team at Oracle (2008- 2010)
- VP of Java SE dev team at Oracle (2010-present)
- OpenJDK Governing Board observer (2011-present)

- Most Oracle folks here are from my team
  - Disclaimer: That does not mean I decide everything. It does mean they give me the Turing test from time to time
- @g_saab for those who do…
Real agenda – update on Java progress

• Progress on JDK 7 (it is what it is)
• Other goings on (how does that help?)
• OpenJDK (why didn’t you say that in the first place?)
• JDK 8 (you don’t know what you don’t know)
Timeline for JDK 7 since JVMLS ‘10

• Aug/Sept - Redefined (with community feedback) the JDK 7 release
• Oct/Nov – completed planning of (the rest of) JDK 7
• Dec -- Feature complete (with some conscious exceptions)
• Jan – Public schedule updated with endgame details
• Jan-Apr – Work on revising the OpenJDK Bylaws
• Feb-Apr – Stabilization and completion of the FC exceptions
• May -- Showstopper mode and checkin of 292 (yikes!)
• July 7 – JDK 7 ‘launch’ event
• July 18 – JDK 7 JSRs approved
• July 28 – target GA date for OracleJDK
A few other things have been going on…

- JavaONE at OOW ’10 (and lots more conferences)
- Increased the size of the team working on the JDK (not only dev, but also testing, sustaining, infrastructure, etc)
  - Merge with JRockit team
  - Hiring and rebalancing
- Clarified Oracle’s intentions and priorities for Java SE and the JVM (or started to…)
- Refined (or defined?) in place our processes for planning and delivering on releases
- Adjusted to being in a different company
- Got dissed a lot in the press
Oracle’s priorities for Java SE

• Keep the Java platform vibrant

• Enable revenue
  – Fusion Middleware and Apps is a huge business
  – Offering enterprise support for Java is a significant opportunity

• Increase efficiency for Java developers
  – Oracle has 10s of thousands of them, investments here save big overall
  – Most work done here benefits all developers, not just Oracle’s
  – Investing in the infrastructure we use to develop Java is a part of this
Getting back onto a virtuous circle

• Rebuild trust – one release at a time
  – There are two parts to delivering on commitments
• Increase ability to involve more diverse set of contributors
• Move the platform technology forward in a considered manner
• Ensure we are keeping quality high
• Invest in improving efficiency
  – Processes
  – Support systems
• Maybe someday the press will say something nice about us ;)

OpenJDK progress

• Oracle funding of OpenJDK greater than ever
• Renewed energy:
  – New Bylaws
  – New Governing board
  – New corporate and individual members
• Significant code contributions to JDK 7
  – Fork/Join framework
  – Gervill
  – Optimized Java2D rendering pipeline
  – Apple Mac OSX port
• JDK 7 RI is based on OpenJDK and released under both GPL and BCL
• JDK 7 update releases being done via open development
• Infrastructure improvements on the way
  – Bug database
  – Code review
JDK 8

- Jigsaw and Lambda are considered drivers
- JVM convergence will continue/complete
- Nashorn as mentioned earlier
- Most other work is regarded as shrink-to-fit

- Continuing JDK 8 planning (to understand the ‘to fit’)
  - Mark has talked about the JEP process on OpenJDK lists
  - For the future we want the JEP process to happen regularly, not just when a release is being planned
  - A JEP being ‘accepted’ does not automatically mean it is committed to a release

- We are still building the ship as we sail to some extent, since this is the first major release being started during Oracle’s stewardship
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.
Questions?