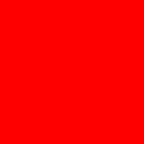**ORACLE**®

JVM Language Summit:
Moving Java Forward, aka 'Pointy haired manager talk'
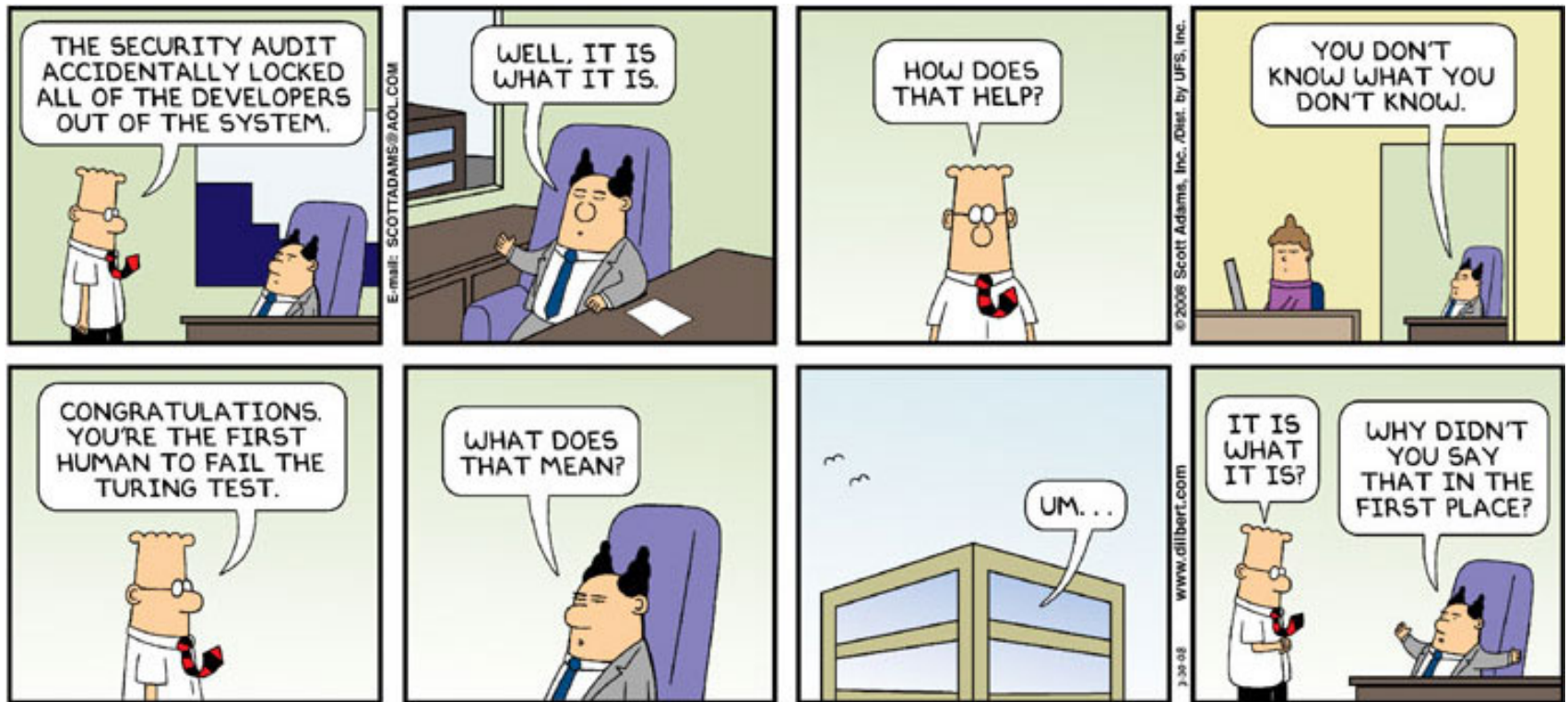
Georges Saab
Java Platform Group
July 19, 2011

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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

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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

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Questions?