

OpenJDK 6

Where are we now?

Where are we going?

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In the beginning

JDK 6
December 7

May 16, JavaOne
“... not a question of whether,
but it is a question of how.”

November 13,
javac and HotSpot

2006

How to get to OpenJDK 6?

6u1

March 13

6u2

July 3

6u3

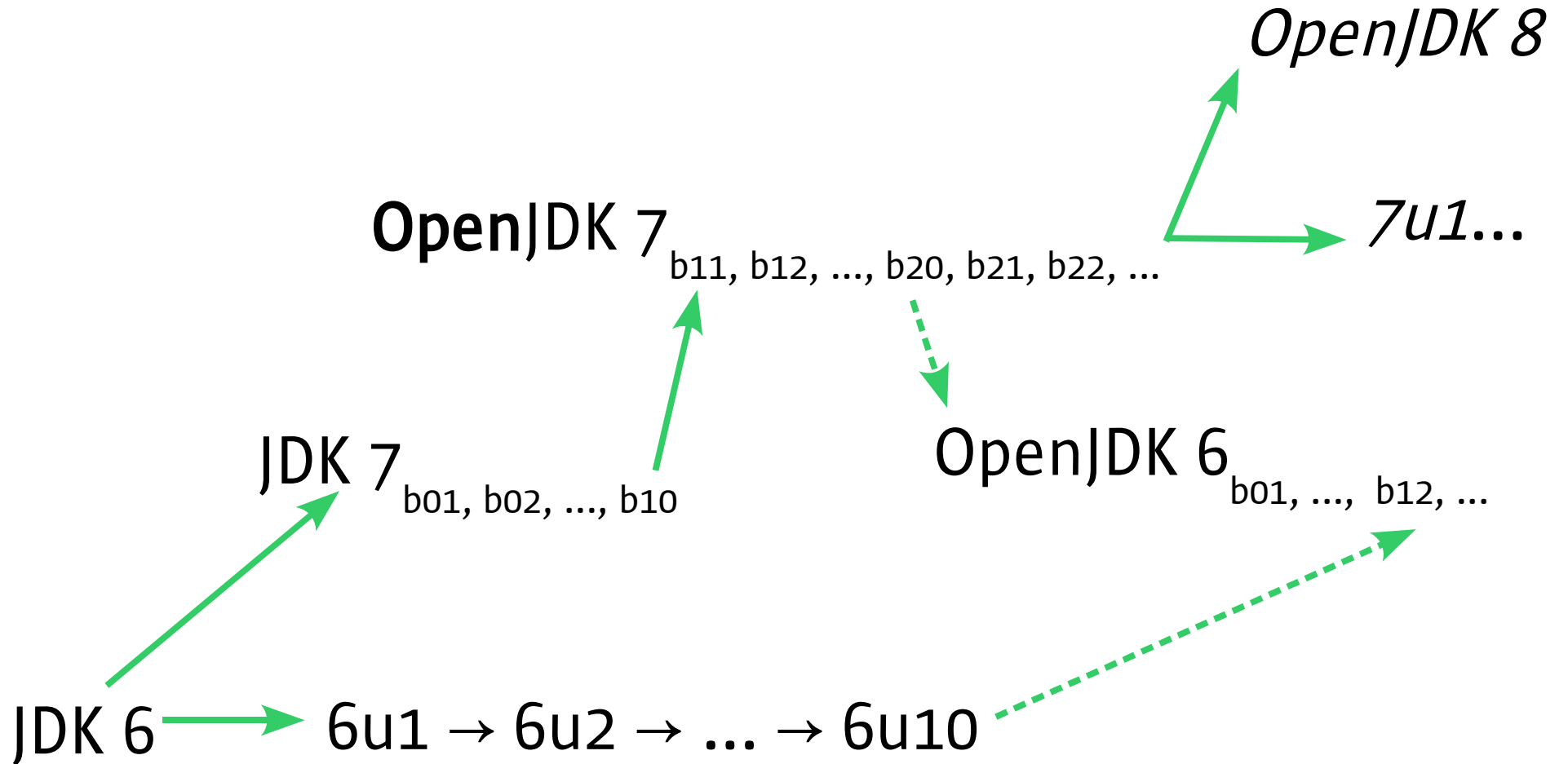
September 28

May 8, JavaOne
JDK 7 build 11
sources released
under GPLv2

OpenJDK 6: Three Choices

- Technological fix
Various kinds of wrappers could provide a Java SE 6 view of an OpenJDK 7 build
- Rinse and repeat
Redo code scrubbing exercise on 6 update sources.
Run away! Run away!
- Backward Branch
Starting with an OpenJDK 7 build, remove changes inappropriate for Java SE 6 to make OpenJDK 6

Genealogy



February 14, 2008 — “The code is here!”

- Still need some binary plugs
 - Missing some encumbrance replacements
- Not all JKD7-isms reversed
 - Wouldn't pass JCK 6
- Master code under SCM inside Sun firewall

Since then, Engineering

- Series of source drops
- Critical encumbrances resolved
 - Imaging and Color classes opened
 - Gervill sound engine
- SNMP only remaining binary plug
 - OpenJDK 6 build does not require binary plugs
- Incorporated a few patches from IcedTea
- Two security releases
- Licensing fixes
- Grand (Partial) Merge with 6u10

Top-Level Code Organization

- Workspaces/repositories
 - jdk — core classes
 - langtools — javac and friends
 - hotspot
 - jaxp
 - jaxws
 - corba
- Different polices and life cycles in different areas

What I did summer 2008: The Grand (Partial) Merge

- hotspot — managed somewhat independently, roughly tracking HotSpot in 6 update release
- langtools — superset of fixes from 6u10
- jdk — large changes *not* ported, e.g. Nimbus
- corba, jaxp, jaxws
Versions in OpenJDK 6 now practically identical to 6u10 versions

Since then, Testing

- OpenJDK 6 can pass JCK 6b!
- Regression tests
 - jtreg open sourced
 - More tests added
 - More tests pass out of the box
 - Some spurious failures fixed
 - Can configure networking information
 - langtools passes out of the box and tests can be run in fast samevm mode
 - Per-build test results published and compared (for comparison, use **jtdiff**, part of **jtreg** distro.)

What now?

- Security fixes keep going in
- Writable OpenJDK 6 Mercurial repositories
<http://hg.openjdk.java.net/jdk6/jdk6/jdk>
You are invited to do work directly upstream!