

# The State of OpenJDK 6

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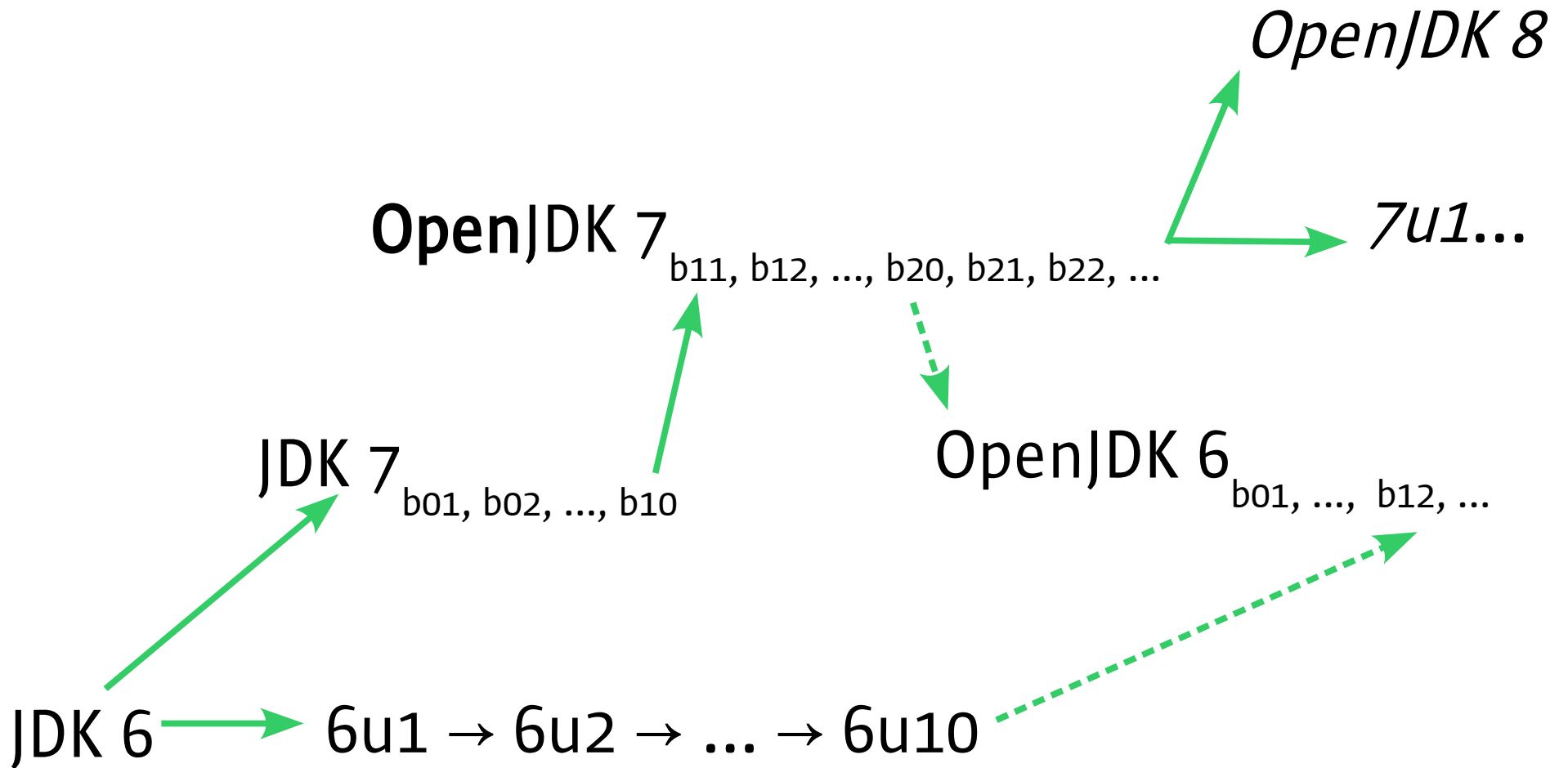
# February 14, 2008 — “The code is here!”

- First external code drop build b05
- Master code under SCM inside Sun firewall
- Needed some binary plugs
  - Plugs were encumbrance replacements
- Not all JDK 7-isms reversed
  - Couldn't pass JCK 6

# February 2011 — The code is mature

- Recently promoted b21; b22 in-progress
- Master code repositories public since b15:  
<http://hg.openjdk.java.net/jdk6/jdk6>
- Binary plugs neither needed nor supported!
  - No one seems to use SNMP!
  - Gervill used in OpenJDK 6 and JDK 7
- IcedTea 6 and OpenJDK 6 builds have passed JCK 6
  - 1<sup>st</sup> June 2008 – IcedTea 6/OpenJDK 6 binary in Fedora 9

# Genealogy Overview



# Going forward in OpenJDK 6

- Kelly O'Hair to assist in release management
  - Expect processes to remain similar
- Promotions will continue to be done as-needed
  - Promoted build *should* occur shortly after a batch of security fixes
  - May occur at other times too
- Continue to coordinate with IcedTea 6

# Still going forward in OpenJDK 6

- Security fixes from Oracle will continue *at least* through EOL of JDK 6 train by Oracle
  - EOL could occur 1 year after JDK 7 ships since JDK 6 first shipped more than 3 years ago  
<http://www.oracle.com/technetwork/java/eol-135779.html>
- EOL of JDK 6 train no sooner than July **2012**

# What about OpenJDK 7 post-GA?

- JDK 7 GA scheduled for July 28, 2011  
<http://openjdk.java.net/projects/jdk7/>
- Oracle to continue development in the open
  - *Not* following the OpenJDK 6 vs. 6 update model
- OpenJDK 7 + ClosedJDK 7 sources used to build Oracle proprietary JDK
- License in OpenJDK 7 continues to be predominantly GPL+ClassPath Exception

# More about OpenJDK 7, post GA

- JDK 7 will participate in planned security updates
  - Current 3 security updates a year planned; Oracle standard is 4 security updates a year  
<http://www.oracle.com/technetwork/topics/security/alerts-086861.html>
  - Non-security updates too
- Increased transparency of release management
- Many technical and management details TBD
  - Hg changes?
  - Restructure forests? ...
- But OpenJDK 7 update development will be in the open!



# #include <std\_orcl\_disclaimer>

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Backup

# Top-Level Code Organization

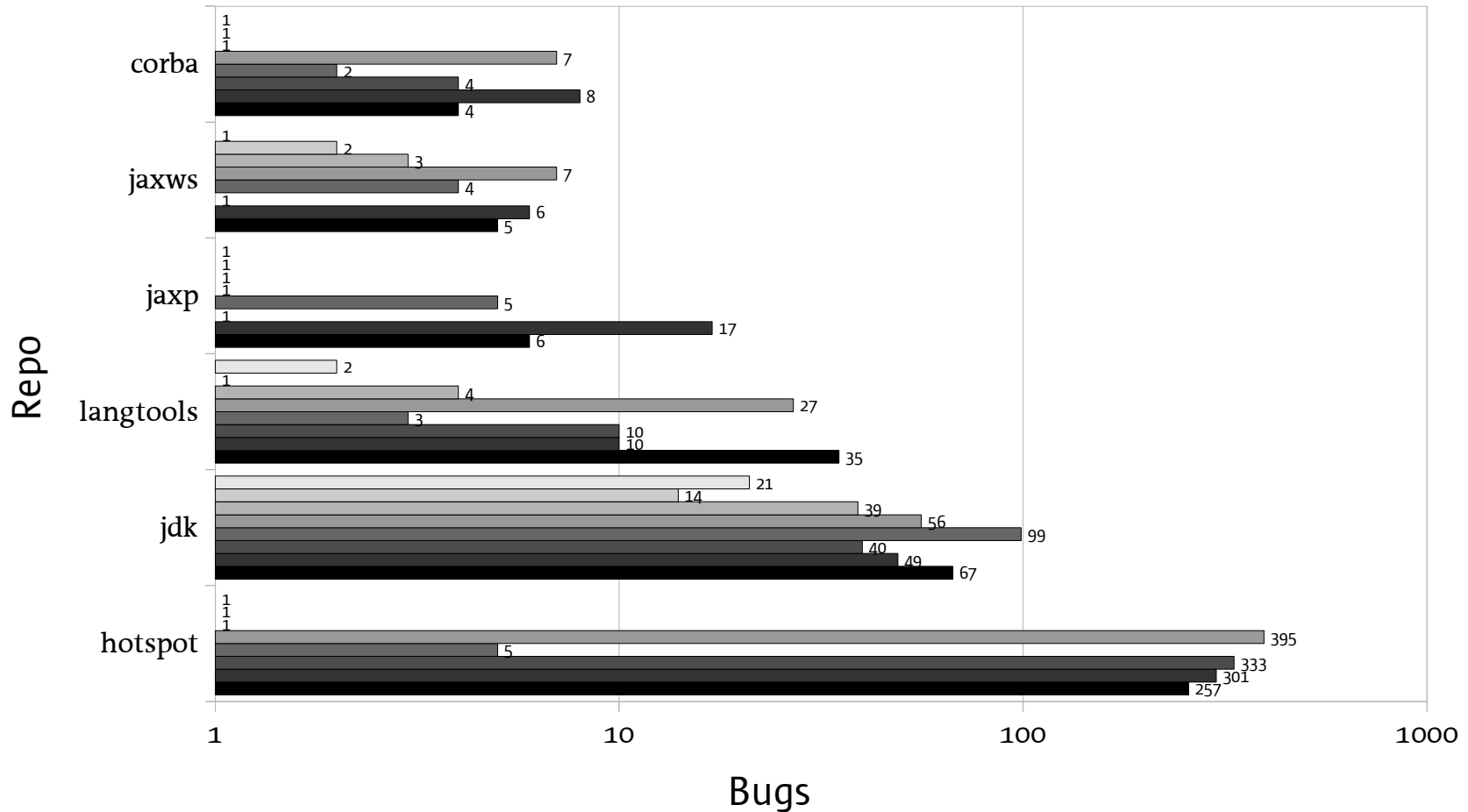
- Forest of repositories
  - jdk — core classes
  - langtools — javac and friends
  - hotspot
  - jaxp
  - jaxws
  - corba
- Different polices and life cycles in different areas
- Differences from 6 update vary by area

# Per repo status

- corba – maintenance, mostly security fixes
- jaxp and jaxws – alternate delivery model
  - Upstream jax\* teams provide a source bundle
  - Files not individually tracked in OpenJDK 6 Hg
  - Kept synchronized with 6 update train
- langtools
  - generally no regressions compared to 6 update train
  - javac team pushes some proactive backports from JDK 7
- jdk – lightly maintained

# Bug fixes per build and repo

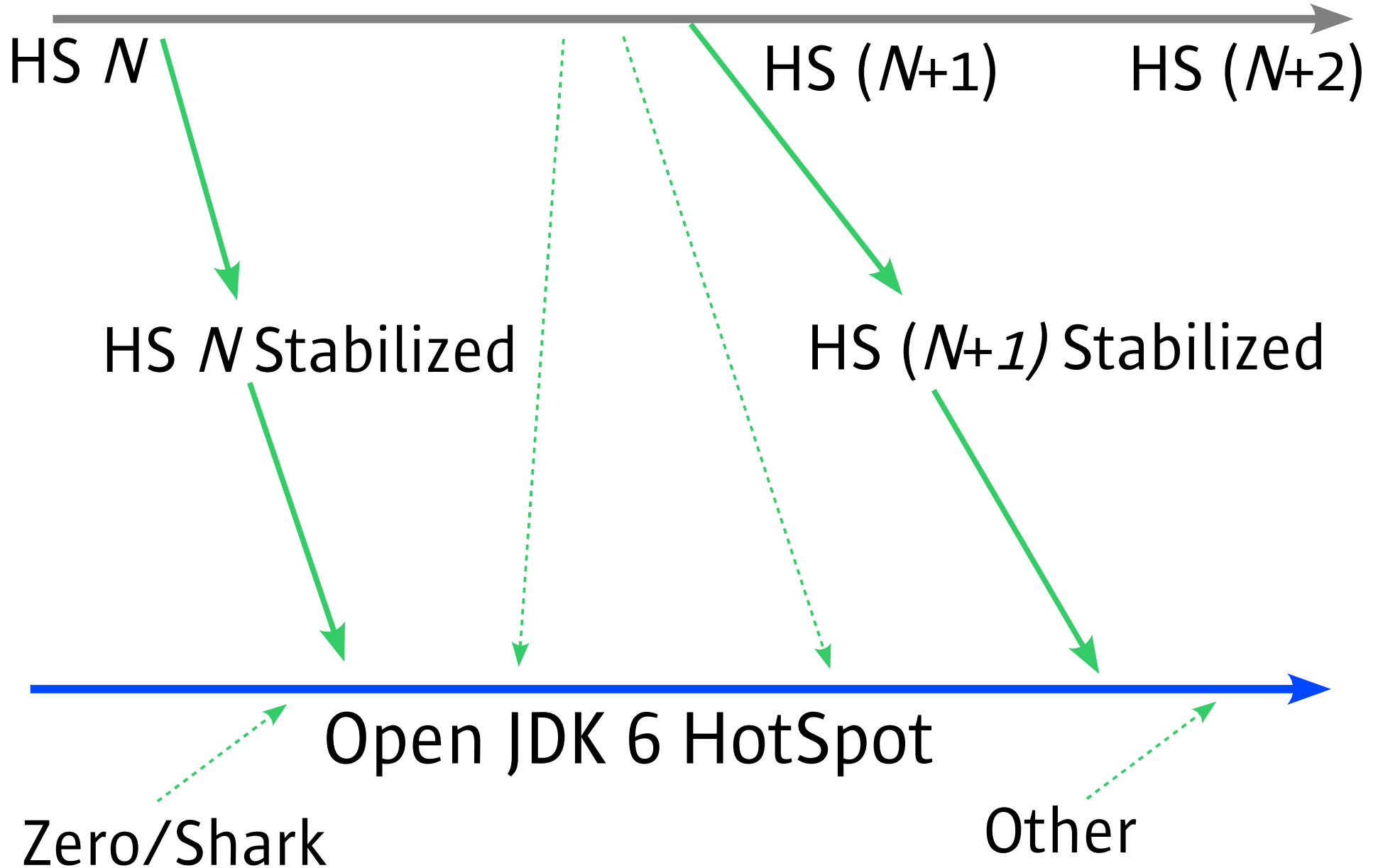
OpenJDK 6 Bug Fixes per Build – Builds 14 through 21



*Note: log scale on x-axis.*

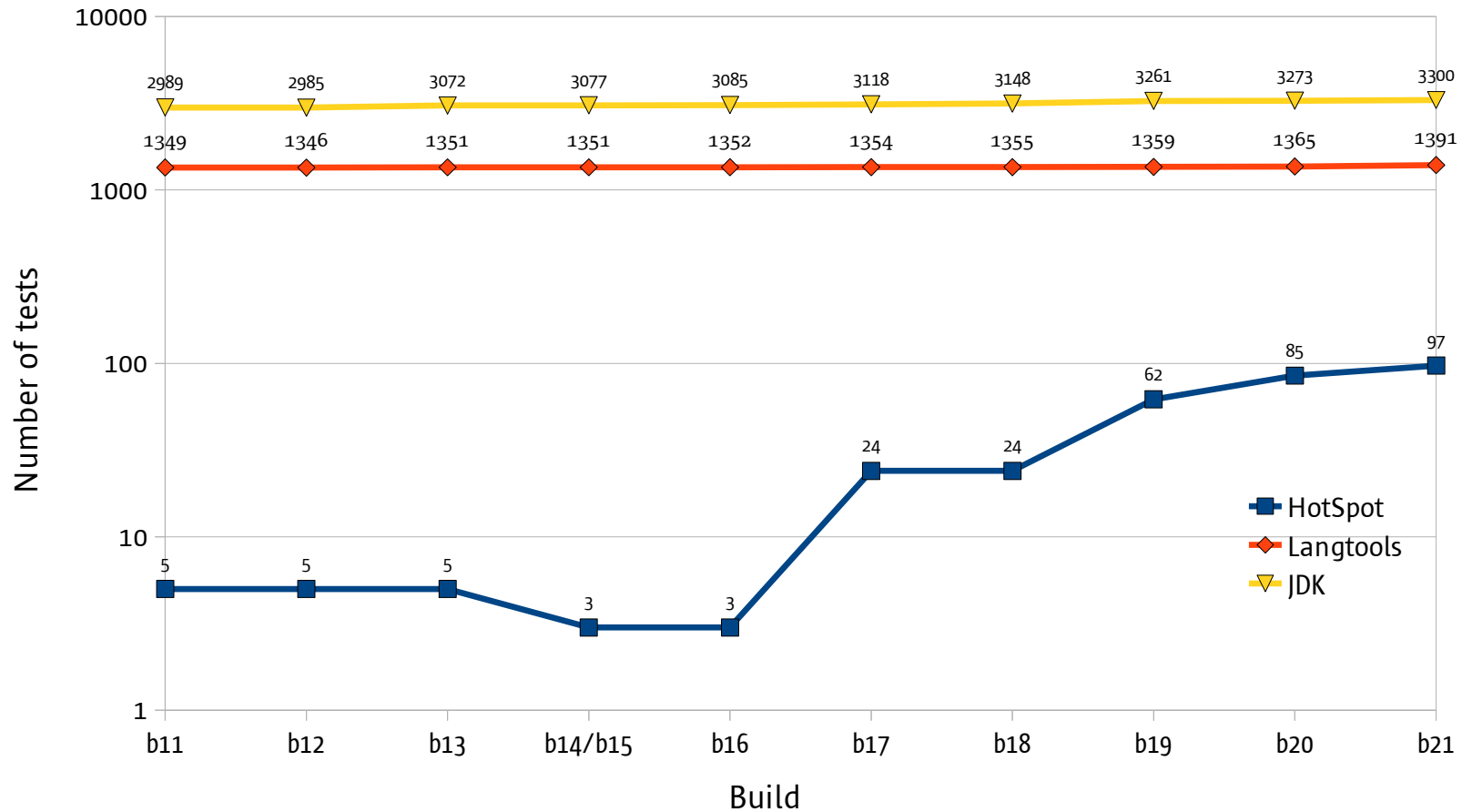
*Note: Figure not drawn to scale.*

## JDK 7 HotSpot



# Positive Test Results

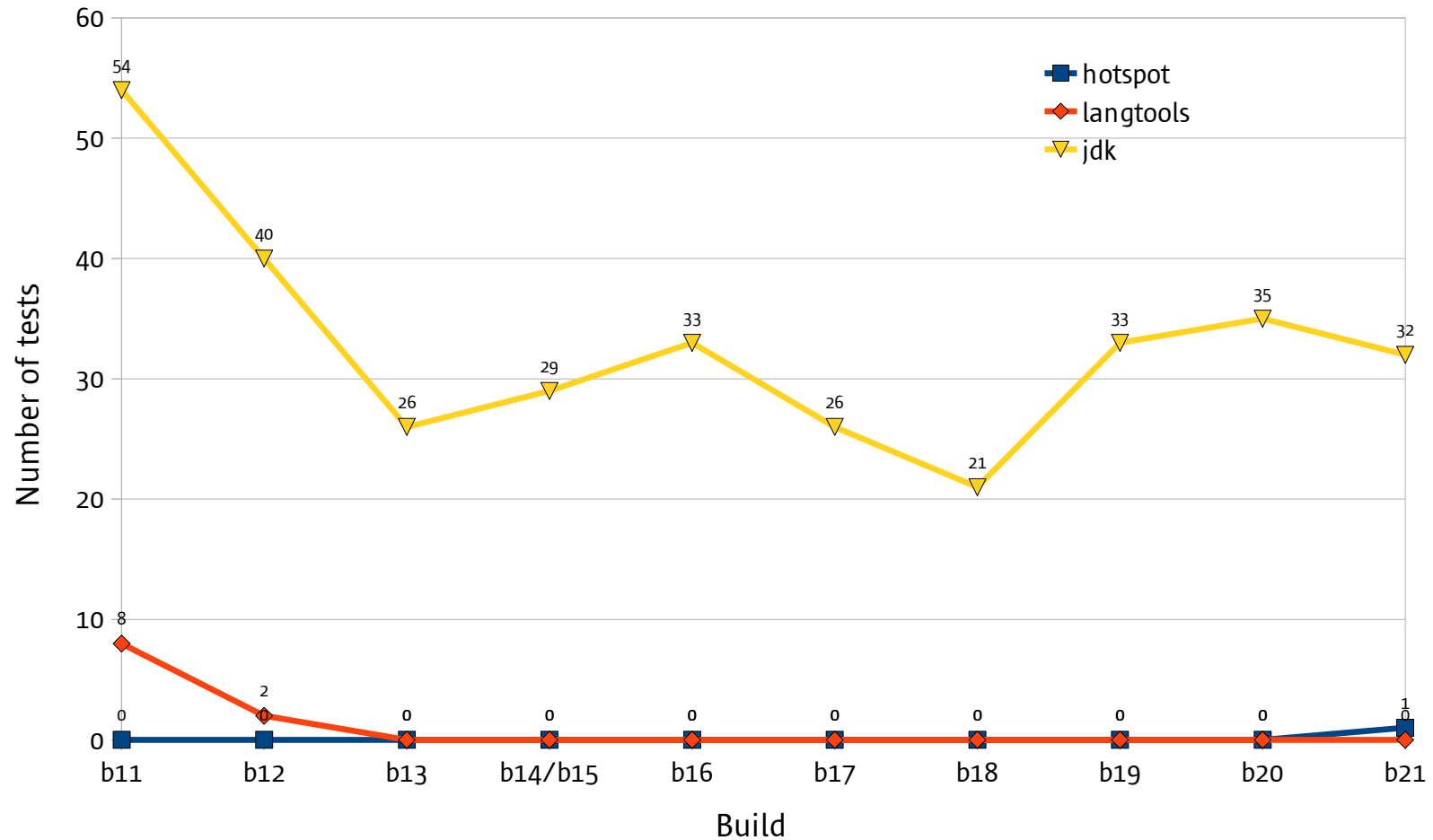
## OpenJDK 6 Passing Regression Tests



*Note: log scale on y-axis.*

# Negative Test Results

## OpenJDK 6 Failing Regression Tests



*Note: linear scale on y-axis.*