

AdoptOpenJDK Quality Assurance

- **“Make quality certain to happen”**
- Testing a wide criteria representing actual enterprise requirements to identify binaries ready for production usage

Today

Functional correctness

OpenJDK regression (open)

Oracle JCK (closed)

Builder-specific testing (unknown)

AQA Roadmap

Security

Passes known vulnerability tests*

Functional correctness

OpenJDK regression

Eclipse functional

Application & framework tests

Performance

Published metrics

Achieves minimum throughput scores

AQA 1.0: Definition

- **Diverse and robust**

- ✓ 123 test targets span regression, performance, app and stress categories
- ✓ Targets apply to all implementations, platforms and versions
- ✓ Passing on all current build variations on current set of test hardware*

Test Groups**

openjdk (8)	system (62)	external (4)	perf (4)	functional (45)
sanity.openjdk = 8 targets	sanity.system = 38 targets (+ 16)	sanity.external = 4 targets	sanity.perf = 4 target	sanity.functional
extended.openjdk	extended.system = 4 targets (+ 4)	extended.external	extended.perf	extended.functional
special.openjdk	special.system	special.external	special.perf	special.functional=45

*numbers in brackets have some disabled tests on some version/platforms

**Top-level test targets in green (sanity.openjdk, sanity.system, extended.system, sanity.external, sanity.perf, special.functional) are included in AQA v1.0

Test Definitions and “Smarter” Triage

- **TestKitGen :**
 - Pluggable method to define and add new tests to the AQA definition
- **Test Results Summary Service (<https://trss.adoptopenjdk.net>)**

