

JDKTools Tests

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Summary

JDKTools suite consists of 3 modules:

1. jpda (aka JDWP Unit)
2. samsa
3. tools

Status

The suite regularly runs with Cruise Control for 4 platforms (Windows, Linux) x (x86, x86_64)

Current pass rate is 100%.

How To Run

1. Run with Build & Test Infrastructure

Just run jdktools-test suite within BTI

See [Build-test Framework](#)

2. Run in federated build

Make federated build as described in [Getting Started For Contributors](#)

in working_jdk directory run:

```
CLASSPATH=../common_resources/depends/jars/junit_3.8.2/junit.jar ant test
```

See the report in working_jdktools/build/test_report directory.

Useful properties:

```
-Dbuild.module=jpda // to run JDWP unit tests only
-Dtest.case=org.apache.harmony.jpda.tests.jdwp.ObjectReference.InvokeMethodTest // To run single test
-Dexclude.interm=true // Don't run intermittent tests as CC does
-Dhy.test.vmargs=-Xint // Run debuggee with interpreter
-Dtest.jre.home=$JAVA_HOME // Run with arbitrary JRE
```

3. Standalone run

To run single test without ant in federated build working_jdk directory:

```
java -cp "../common_resources/depends/jars/junit_3.8.2/junit.jar\;../build/tests/classes" org.apache.harmony.jpda.tests.jdwp.Events.VMDeathTest
```

Useful properties:

```
-Djpda.settings.debuggeeAgentExtraOptions="trace=PACK+DATA+JVMTI" // Enable trace for jdwp agent debugging
-Djpda.settings.debuggeeVMExtraOptions="-Xtrace:jvmti.thread" // Enable DRLVM tracing
-Djpda.settings.debuggeeLaunchKind>manual // To manually run debuggee VM (E.g. from debugger)
```