



Try to run host test using test.py but Failed to create runtime

+1

Hotlists (5)

Mark as Duplicate



Comments (4) Dependencies Duplicates (0) Blocking (0) Resources (1)

Fixed Bug P3 + Add Hotlist [AOSP] assigned



STATUS UPDATE No update yet. Edit



DESCRIPTION wo...@gmail.com created issue #1

Apr 16, 2020 01:59PM



- Steps to reproduce the problem (including sample code if appropriate).

1. download aosp codes: repo init -u <https://android.googlesource.com/platform/manifest> -b master; repo sync
2. mmmma art; mmmma art/test
3. art/test.py --host -r -t 001-HelloWorld

- What happened.  
Bunch of error

- What you think the correct behavior should be.  
Tests passed

----- start of error message -----  
10:54:57 Build sandboxing disabled due to nsjail error.  
Concurrency: 72

[ 10% 1/10 ] test-art-host-run-test-debug-prebuild-speed-profile-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32 FAIL

[ 20% 2/10 ] test-art-host-run-test-debug-prebuild-interp-ac-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32 FAIL

[ 30% 3/10 ] test-art-host-run-test-debug-prebuild-optimizing-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32 FAIL

[ 40% 4/10 ] test-art-host-run-test-debug-prebuild-jit-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32 FAIL

[ 50% 5/10 ] test-art-host-run-test-debug-prebuild-interpreter-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32 FAIL

[ 60% 6/10 ] test-art-host-run-test-debug-prebuild-optimizing-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld64 PASS

[ 70% 7/10 ] test-art-host-run-test-debug-prebuild-interpreter-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld64 PASS

[ 80% 8/10 ] test-art-host-run-test-debug-prebuild-interp-ac-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld64 PASS

[ 90% 9/10 ] test-art-host-run-test-debug-prebuild-jit-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld64 PASS

[ 100% 10/10 ] test-art-host-run-test-debug-prebuild-speed-profile-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld64 PASS

5/10 (50%) tests passed.  
FAILED:  
test-art-host-run-test-debug-prebuild-speed-profile-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32  
/art/test/run-test --output-path /tmp/test-art-67iue7mh/tmp1wrw543 --always-clean --host --prebuild --compact-dex-level fast --random-profile --no-relocate --runtime-option -Xcheck:jni 001-HelloWorld  
/art/test/001-HelloWorld: building...  
/art/test/001-HelloWorld: running...  
run exit status: 2  
/art/test/001-HelloWorld: FAILED!

##### info  
# Imported from oat test. Print "Hello World."  
##### diffs  
-- expected.txt 2020-04-14 15:20:04.086221795 +0800  
+++ output.txt 2020-04-16 10:54:59.286624708 +0800  
@@ -1 +1,4 @@  
-Hello, world!  
+dex2oatd E 04-16 10:54:59 62932 62932 image\_space.cc:3708] Could not create image space with image file '/out/host/linux-x86/framework/core.art:\*'. Attempting to fall back to imageless running. Error was: Cannot compile image to /tmp/test-art-67iue7mh/tmp1wrw543/dalvik-cache/x86/out/host@linux-x86@framework@core.art: Image compilation disabled.  
+dex2oatd E 04-16 10:54:59 62932 62932 runtime.cc:1416] Dex file fallback disabled, cannot continue without image.  
+dex2oatd E 04-16 10:54:59 62932 62932 dex2oat.cc:2826] Failed to create runtime  
+Dex2oat failed.  
#####

Reporter wo...@gmail.com

Type Bug

Priority P3

Severity S3

Status Fixed

Access Default access View

Assignee vi...@google.com

Verifier --

Collaborators \_\_\_\_\_ ^

CC \_\_\_\_\_ ^  
al...@google.com  
rp...@google.com  
wo...@gmail.com

AOSP ID --

ReportedBy Developer

Found In --

Targeted To --

Verified In --

In Prod

001-HelloWorld files deleted from host

```
test-art-host-run-test-debug-prebuild-interp-ac-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32
/art/test/run-test --output-path /tmp/test-art-67iue7mh/tmpzb0jxazn --always-clean --host --prebuild --compact-dex-level fast --
interpreter --verify-soft-fail --no-relocate --runtime-option -Xcheck:jni 001-HelloWorld
/art/test/001-HelloWorld: building...
/art/test/001-HelloWorld: running...
run exit status: 2
/art/test/001-HelloWorld: FAILED!
```

```
##### info
# Imported from oat test. Print "Hello World."
##### diffs
-- expected.txt    2020-04-14 15:20:04.086221795 +0800
+++ output.txt    2020-04-16 10:54:59.322624706 +0800
@@ -1 +1,4 @@
-Hello, world!
+dex2oatd E 04-16 10:54:59 62985 62985 image_space.cc:3708] Could not create image space with image file '/out/host/linux-
x86/framework/core.art:*'. Attempting to fall back to imageless running. Error was: Cannot compile image to /tmp/test-art-
67iue7mh/tmpzb0jxazn/dalvik-cache/x86/out@host@linux-x86@framework@core.art: Image compilation disabled.
+dex2oatd E 04-16 10:54:59 62985 62985 runtime.cc:1416] Dex file fallback disabled, cannot continue without image.
+dex2oatd E 04-16 10:54:59 62985 62985 dex2oat.cc:2826] Failed to create runtime
+Dex2oat failed.
#####
```

001-HelloWorld files deleted from host

```
test-art-host-run-test-debug-prebuild-optimizing-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32
/art/test/run-test --output-path /tmp/test-art-67iue7mh/tmp120g5a6r --always-clean --host --prebuild --compact-dex-level fast --
optimizing --no-relocate --runtime-option -Xcheck:jni 001-HelloWorld
/art/test/001-HelloWorld: building...
/art/test/001-HelloWorld: running...
run exit status: 2
/art/test/001-HelloWorld: FAILED!
```

```
##### info
# Imported from oat test. Print "Hello World."
##### diffs
-- expected.txt    2020-04-14 15:20:04.086221795 +0800
+++ output.txt    2020-04-16 10:54:59.322624706 +0800
@@ -1 +1,4 @@
-Hello, world!
+dex2oatd E 04-16 10:54:59 63063 63063 image_space.cc:3708] Could not create image space with image file '/out/host/linux-
x86/framework/core.art:*'. Attempting to fall back to imageless running. Error was: Cannot compile image to /tmp/test-art-
67iue7mh/tmp120g5a6r/dalvik-cache/x86/out@host@linux-x86@framework@core.art: Image compilation disabled.
+dex2oatd E 04-16 10:54:59 63063 63063 runtime.cc:1416] Dex file fallback disabled, cannot continue without image.
+dex2oatd E 04-16 10:54:59 63063 63063 dex2oat.cc:2826] Failed to create runtime
+Dex2oat failed.
#####
```

001-HelloWorld files deleted from host

```
test-art-host-run-test-debug-prebuild-jit-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32
/art/test/run-test --output-path /tmp/test-art-67iue7mh/tmpm8ga17nf --always-clean --host --prebuild --compact-dex-level fast --jit --
no-relocate --runtime-option -Xcheck:jni 001-HelloWorld
/art/test/001-HelloWorld: building...
/art/test/001-HelloWorld: running...
run exit status: 2
/art/test/001-HelloWorld: FAILED!
```

```
##### info
# Imported from oat test. Print "Hello World."
##### diffs
-- expected.txt    2020-04-14 15:20:04.086221795 +0800
+++ output.txt    2020-04-16 10:54:59.322624706 +0800
@@ -1 +1,4 @@
-Hello, world!
+dex2oatd E 04-16 10:54:59 62971 62971 image_space.cc:3708] Could not create image space with image file '/out/host/linux-
x86/framework/core.art:*'. Attempting to fall back to imageless running. Error was: Cannot compile image to /tmp/test-art-
67iue7mh/tmpm8ga17nf/dalvik-cache/x86/out@host@linux-x86@framework@core.art: Image compilation disabled.
+dex2oatd E 04-16 10:54:59 62971 62971 runtime.cc:1416] Dex file fallback disabled, cannot continue without image.
+dex2oatd E 04-16 10:54:59 62971 62971 dex2oat.cc:2826] Failed to create runtime
+Dex2oat failed.
#####
```

001-HelloWorld files deleted from host

```
test-art-host-run-test-debug-prebuild-interpreter-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32
/art/test/run-test --output-path /tmp/test-art-67iue7mh/tmpo058m8fc --always-clean --host --prebuild --compact-dex-level fast --
interpreter --no-relocate --runtime-option -Xcheck:jni 001-HelloWorld
/art/test/001-HelloWorld: building...
/art/test/001-HelloWorld: running...
run exit status: 2
```

/art/test/001-HelloWorld: FAILED!

##### info  
# Imported from oat test. Print "Hello World."  
##### diffs  
-- expected.txt 2020-04-14 15:20:04.086221795 +0800  
+++ output.txt 2020-04-16 10:54:59.322624706 +0800  
@@ -1 +1,4 @@  
-Hello, world!  
+dex2oatd E 04-16 10:54:59 63038 63038 image\_space.cc:3708] Could not create image space with image file '/out/host/linux-x86/framework/core.art.\*'. Attempting to fall back to imageless running. Error was: Cannot compile image to /tmp/test-art-67iue7mh/tmpo058m8fc/dalvik-cache/x86/out@host@linux-x86@framework@core.art: Image compilation disabled.  
+dex2oatd E 04-16 10:54:59 63038 63038 runtime.cc:1416] Dex file fallback disabled, cannot continue without image.  
+dex2oatd E 04-16 10:54:59 63038 63038 dex2oat.cc:2826] Failed to create runtime  
+Dex2oat failed.  
#####

001-HelloWorld files deleted from host

-----  
test-art-host-run-test-debug-prebuild-interp-ac-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32  
test-art-host-run-test-debug-prebuild-interpreter-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32  
test-art-host-run-test-debug-prebuild-jit-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32  
test-art-host-run-test-debug-prebuild-optimizing-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32  
test-art-host-run-test-debug-prebuild-speed-profile-no-relocate-ntrace-cms-checkjni-picimage-ndebuggable-no-jvmti-cdex-fast-001-HelloWorld32  
[/art/test/testrunner/testrunner.py, '-host', '-t', '001-HelloWorld']

COMMENTS

All comments

↓ Oldest first



vi...@google.com <vi...@google.com> [#2](#)

Jun 6, 2020 06:36PM

Assigned to vi...@google.com.

Thank you. We've shared this with our product and engineering teams and will continue to provide updates as more information becomes available.



al...@google.com <al...@google.com> [#3](#)

Oct 27, 2020 07:17AM

Marked as fixed.

The build target for art run-tests is 'test-art-host-run-test-dependencies', for gtests it is 'test-art-host-gtest-dependencies'

To run the tests run

```
% m test-art-host-run-test-dependencies test-art-host-gtest-dependencies  
% ./test.py --host <etc>
```

You can also pass the `-b` flag to `./test.py` to have testrunner try to build everything itself

```
% ./test.py --host -b <etc>
```



al...@google.com <al...@google.com> [#4](#)

Oct 28, 2020 07:57AM

I've improved the art/test/README.md file so this is all a bit clearer.