

LTTng-UST - Bug #1132

Fails to build with Crosscompiler

10/27/2017 07:46 AM - Norbert Lange

Status:	New	Start date:	10/27/2017
Priority:	High	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>The Userspace library will fail to build when crosscompiling, this is easily reproducible with Buildroot for example.</p> <p>As far as I can tell, the transitive dependency to libltnng-ust-tracepoint.so.0 when referencing libltnng-ust.so is lost, I suppose it would not appear if the host or sysroot contains an installed libltnng-ust-tracepoint.so.0.</p> <p>Error Message is following:</p> <pre>[70%] Linking CXX executable tester /usr/bin/cmake -E cmake_link_script CMakeFiles/tester.dir/link.txt --verbose=1 /tmp/build/host/bin/x86_64-buildroot-linux-gnu-g++ -g -O2 -rdynamic CMakeFiles/tester.dir/tester.cpp.o -o tester -Wl,-rpath,/tmp/a/doc/examples/cmake-multiple-shared-libraries/build:/tmp/a/libltnng-ust/.libs libaligner-lib.so libtester-lib.so libtracepoint-provider.so /tmp/a/libltnng-ust/.libs/libltnng-ust.so -ldl /tmp/build/host/lib/gcc/x86_64-buildroot-linux-gnu/7.2.0/../../../../x86_64-buildroot-linux-gnu/bin/ld: warning: libltnng-ust-tracepoint.so.0, needed by /tmp/a/libltnng-ust/.libs/libltnng-ust.so, not found (try using -rpath or -rpath-link) /tmp/a/libltnng-ust/.libs/libltnng-ust.so: undefined reference to `exit_tracepoint' /tmp/a/libltnng-ust/.libs/libltnng-ust.so: undefined reference to `__tracepoint_probe_unregister_queue_release' /tmp/a/libltnng-ust/.libs/libltnng-ust.so: undefined reference to `__tracepoint_probe_register_queue_release' /tmp/a/libltnng-ust/.libs/libltnng-ust.so: undefined reference to `__tracepoint_probe_prune_release_queue' /tmp/a/libltnng-ust/.libs/libltnng-ust.so: undefined reference to `init_tracepoint' collect2: error: ld returned 1 exit status</pre>			
<p>This issue is atleast occurring in 2.9.0, 2.9.1 and 2.10.0</p>			