Charm++ - Bug #1473
verbs build hangs in tests/charm++/communication_overhead

03/21/2017 12:19 PM - Phil Miller

Status: Implemented  Start date: 03/21/2017
Priority: Normal               Due date:
Assignee:                  % Done: 0%
Category: Build & Test Automation  Estimated time: 0.00 hour
Target version: 6.8.0  Spent time: 0.00 hour

Description

==> old.2017_03_18__01_00/verbs-linux-x86_64.txt ==
Charm++ group communication with allocation timing enabled

PE    MSG SIZE PER MSG TIME(us)   BW(MB/s) OVERHEAD(us)
slurmstepd: *** JOB 8367429 ON c457-401 CANCELLED AT 2017-03-18T08:55:38 DUE TO TIME LIMIT ***
make[2]: *** [test] Terminated
make[1]: *** [test] Terminated

fatal> error code 1 during remote> ./instead_test.sh charm/verbs-linux-x86_64/tmp make test ++timeout 180 +isomalloc_sync

Returned from executing scripts/verbs-linux-x86_64/test on remote host
fatal> Test on remote host failed with fatal error (0)
Bad: Test on remote host failed with fatal error (0)

==> old.2017_03_19__01_00/verbs-linux-x86_64.txt ==
Charm++ group communication with allocation timing enabled

PE    MSG SIZE PER MSG TIME(us)   BW(MB/s) OVERHEAD(us)
slurmstepd: *** JOB 8368997 ON c457-703 CANCELLED AT 2017-03-19T15:39:30 DUE TO TIME LIMIT ***
make: make[3]: *** [test] Terminated

fatal> error code 1 during remote> ./instead_test.sh charm/verbs-linux-x86_64/tmp make test ++timeout 180 +isomalloc_sync

Returned from executing scripts/verbs-linux-x86_64/test on remote host
fatal> Test on remote host failed with fatal error (0)
Bad: Test on remote host failed with fatal error (0)

==> old.2017_03_20__01_00/verbs-linux-x86_64.txt ==
Charm++ 1D array communication with allocation timing enabled

PE    MSG SIZE PER MSG TIME(us)   BW(MB/s) OVERHEAD(us)
slurmstepd: *** JOB 8370620 ON c461-402 CANCELLED AT 2017-03-20T18:12:32 DUE TO TIME LIMIT ***
make: make[3]: *** [test] Terminated

fatal> error code 1 during remote> ./instead_test.sh charm/verbs-linux-x86_64/tmp make test ++timeout 180 +isomalloc_sync

Returned from executing scripts/verbs-linux-x86_64/test on remote host
fatal> Test on remote host failed with fatal error (0)
Bad: Test on remote host failed with fatal error (0)

Related issues:
Related to Charm++ - Bug #664: charm++/communication_overhead test fails with...

New 02/11/2015

History

#1 - 03/21/2017 12:20 PM - Phil Miller
- Tags changed from verbs to verbs, hang

03/23/2017
Tried the same test back on 6.7.1. It also hangs, but somewhat later - in the 1D array cases, instead of the group cases.

Might there be a memory leak at issue here, possibly screwing with the registration pool?

Observed what seems like a memory leak in operationFinished, in that the message it receives is sometimes not deleted. Fixing that doesn't make the hang go away, though.

Related to Bug #664: charm++/communication_overhead test fails with randomized queues added

Test is indeed broken, disablement commit pushed for now.