Charm++ - Bug #1690

Verbs autobuild crashes for rdma example zerocopy/simpleZeroCopy on Golub in SMP mode

09/25/2017 02:59 PM - Nitin Bhat

Status: Merged
Priority: High
Assignee: Nitin Bhat
Category: Estimated time: 0.00 hour
Target version: 6.8.1

Start date: 09/25/2017
Due date:
% Done: 100%
Estimated time: 0.00 hour
Spent time: 0.00 hour

Description

../../../../bin/testrun +p4 ./simpleZeroCopy 200 +balancer RotateLB ++timeout 180 +isomalloc_sync ++mpiexec
Charmrun> scalable start enabled.
Charmrun> IBVERBS version of charmrun
Charmrun> started all node programs in 0.089 seconds.
Charm++> Running in SMP mode: numNodes 4, 1 worker threads per process
Charm++> The comm. thread only receives messages, while work threads send messages
Converse/Charm++ Commit ID: 18fe34f
Charm++> synchronizing isomalloc memory region...
[0] consolidated Isomalloc memory region: 0x44000000 - 0x7f2200000000 (133291008 megs)
Charm++> scheduler running in netpoll mode.
CharmLB> Load balancer assumes all CPUs are same.
Charm++> Running on 1 unique compute nodes (24-way SMP).
Charm++> cpu topology info is gathered in 0.003 seconds.
[0] RotateLB created
send: completed
zerocopySend: completed
mixedSend: completed
sdagRun: Iteration 1 completed
dsagRun: Iteration 2 completed
dsagRun: Iteration 3 completed
dsagRun: Iteration 4 completed
[5] Stack Traceback:
[5:0] CmiAbortHelper+0x73 [0x641833]
[5:1] verbsOnesidedPostRdmaRead+0x1e2 [0x641c52]
[5:2] LrtsIssueRgets+0x3a [0x641c9a]
[5:3] _Z16CkRdmaIssueRgetsP8envelope+0xec [0x5b166c]
[5:4] _Z15_processHandlerPvP11CkCoreState+0x30a [0x53c8ba]
[5:5] CmiHandleImmediate+0x47 [0x644567]
[5:6] CommunicationServerThread+0xe [0x644567]
[5:7] [0x6481c2]
[5:8] [0x6486b3]
[5:9] +0x7a1 [0x7f33e65d2aa1]
[5:10] clone+0x6d [0x7f33e5763bcd]

Autobuild link

History

#1 - 09/25/2017 03:15 PM - Nitin Bhat
- % Done changed from 0 to 100
- Status changed from New to Implemented

This bug caused the verbs-smp crash in autobuild. The crash occurred because of the default send tokens in verbs being insufficient for the previous test argument i.e 200. For this reason, the test argument was changed from 200 shares to 32 shares, which works with the default number of send tokens (1000 send tokens).

Fix: https://charm.cs.illinois.edu/gerrit/#/c/3078/
#2 - 09/25/2017 03:31 PM - Phil Miller
  - Description updated

#3 - 09/25/2017 03:31 PM - Phil Miller
  - Target version set to 6.8.1

#4 - 09/27/2017 07:32 PM - Phil Miller
  - Status changed from Implemented to Merged