

NAME

`ibv_rc_pingpong` - simple InfiniBand RC transport test

SYNOPSIS

ibv_rc_pingpong [-p port] [-d device] [-i ib port] [-s size] [-m size] [-r rx depth] [-n iters] [-l sl] [-e] [-g gid index] [-o] [-t] **HOSTNAME**

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DESCRIPTION

Run a simple ping-pong test over InfiniBand via the reliable connected (RC) transport.

OPTIONS

- p, --port=PORT**
use TCP port *PORT* for initial synchronization (default 18515)
- d, --ib-dev=DEVICE**
use IB device *DEVICE* (default first device found)
- i, --ib-port=PORT**
use IB port *PORT* (default port 1)
- s, --size=SIZE**
ping-pong messages of size *SIZE* (default 4096)
- m, --mtu=SIZE**
path MTU *SIZE* (default 1024)
- r, --rx-depth=DEPTH**
post *DEPTH* receives at a time (default 1000)
- n, --iters=ITERS**
perform *ITERS* message exchanges (default 1000)
- l, --sl=SL**
use *SL* as the service level value of the QP (default 0)

-e, --events

sleep while waiting for work completion events (default is to poll for completions)

-g, --gid-idx=*GIDINDEX*

local port *GIDINDEX*

-o, --odp

use on demand paging

-t, --ts

get CQE with timestamp

SEE ALSO

ibv_uc_pingpong(1), ibv_ud_pingpong(1), ibv_srq_pingpong(1), ibv_xsrq_pingpong(1)

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BUGS

The network synchronization between client and server instances is weak, and does not prevent incompatible options from being used on the two instances. The method used for retrieving work completions is not strictly correct, and race conditions may cause failures on some systems.