NAME

   udaddy - RDMA CM datagram setup and simple ping-pong test.

SYNOPSIS

   udaddy [-s server_address] [-b bind_address] [-c connections]
                   [-C message_count] [-S message_size] [-p port_space]
   udaddy -s server_address [-b bind_address] [-c connections]
                   [-C message_count] [-S message_size] [-t tos] [-p port_space]

DESCRIPTION

   Establishes a set of unreliable RDMA datagram communication paths between two nodes using the
   librdmacm, optionally transfers datagrams between the nodes, then tears down the communication.

OPTIONS

   -s server_address

       The network name or IP address of the server system listening for communication. The used name
       or address must route over an RDMA device. This option must be specified by the client.

   -b bind_address

       The local network address to bind to. To bind to any address with IPv6 use -b ::0 .

   -c connections

       The number of communication paths to establish between the client and server. The test uses
       unreliable datagram communication, so no actual connections are formed. (default 1)

   -C message_count

       The number of messages to transfer over each connection. (default 10)

   -S message_size

       The size of each message transferred, in bytes. This value must be smaller than the MTU of the
       underlying RDMA transport, or an error will occur. (default 100)

   -t tos

       Indicates the type of service used for the communication. Type of service is implementation
       dependent based on subnet configuration.

   -p port_space

       The port space of the datagram communication. May be either the RDMA UDP (0x0111) or
       IPoIB (0x0002) port space. (default RDMA_PS_UDP)

NOTES

Basic usage is to start udaddy on a server system, then run udaddy -s server_name on a client system.

Because this test maps RDMA resources to userspace, users must ensure that they have available system resources and permissions. See the libibverbs README file for additional details.

SEE ALSO

rdma_cm(7), ucmatose(1), mckey(1), rping(1)