

sizeof openib modex (bytes) = 1 + (13 + 1 + 3 + sum(cpc_sizes[i])*num_ports

	size 1	size 2
oob cpc size	0	0
xoob cpc size	0	0
ibcm cpc size	13	9
rdmacm cpc size	6	4

	machine 1		machine 2			
nodes	10,000	10,000	10,000	3,800	3,800	3,800
ppn	8	8	8	16	16	16
num ports	1	2	4	1	2	4

as exists today in /tmp-public/openib-cpc2 branch

ibcm only modex size (bytes)	2,480,000	4,960,000	9,920,000	1,884,800	3,769,600	7,539,200
rdmacm only modex size (bytes)	1,920,000	3,840,000	7,680,000	1,459,200	2,918,400	5,836,800
(ibcm+rdmacm) modex size (bytes)	2,960,000	5,920,000	11,840,000	2,249,600	4,499,200	8,998,400

send only one set of cpc messages per host (saves on ppn>1 runs)

ibcm only modex size (bytes)	310,000	620,000	1,240,000	117,800	235,600	471,200
difference vs. "today"	2,170,000	4,340,000	8,680,000	1,767,000	3,534,000	7,068,000
rdmacm only modex size (bytes)	240,000	480,000	960,000	91,200	182,400	364,800
difference vs. "today"	1,680,000	3,360,000	6,720,000	1,368,000	2,736,000	5,472,000
(ibcm+rdmacm) modex size (bytes)	370,000	740,000	1,480,000	140,600	281,200	562,400
difference vs. "today"	2,590,000	5,180,000	10,360,000	2,109,000	4,218,000	8,436,000

send only one set of cpc messages per host (saves on ppn>1 runs) and a slightly smaller cpc sizes

ibcm only modex size (bytes)	270,000	540,000	1,080,000	102,600	205,200	410,400
difference vs. "today"	2,210,000	4,420,000	8,840,000	1,782,200	3,564,400	7,128,800
difference vs. "send only one set"	40,000	80,000	160,000	15,200	30,400	60,800
rdmacm only modex size (bytes)	220,000	440,000	880,000	83,600	167,200	334,400
difference vs. "today"	1,700,000	3,400,000	6,800,000	1,375,600	2,751,200	5,502,400
difference vs. "send only one set"	20,000	40,000	80,000	7,600	15,200	30,400
(ibcm+rdmacm) modex size (bytes)	310,000	620,000	1,240,000	117,800	235,600	471,200
difference vs. "today"	2,650,000	5,300,000	10,600,000	2,131,800	4,263,600	8,527,200
difference vs. "send only one set"	60,000	120,000	240,000	22,800	45,600	91,200