

interval

### Interval time measurement without sending notification to the server

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	01:14.302
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	04:14.503
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	04:14.666
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	04:14.491
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	04:14.805
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	03:38.553

5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.618
5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.281
5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.394
5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.330
5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.452
<b>Total:</b>				2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:15.415

5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:18.205
5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:18.235
5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:18.282
5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:18.169
5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:18.208
<b>Total:</b>				6000	6000	6000	6000	6000	6000	30000	30000	100.00%	01:18.220

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	100	600	1024	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:23.136
5	100	600	1024	2400	2400	2400	2400	2361	2400	12000	11961	99.68%	01:26.141
5	100	600	1024	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:23.260
5	100	600	1024	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:23.460
5	100	600	1024	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:22.948
<b>Total:</b>				12000	12000	12000	12000	11961	12000	60000	59961	99.94%	01:23.789

5	50	1200	1024	4800	4800	4772	4800	4800	4800	24000	23972	99.88%	01:33.727
5	50	1200	1024	4800	4800	4800	4800	4800	4661	24000	23861	99.42%	01:35.465
5	50	1200	1024	4800	4800	4782	4800	4800	4800	24000	23982	99.93%	01:32.920
5	50	1200	1024	4800	4800	4800	4800	4705	4800	24000	23905	99.60%	01:33.196
5	50	1200	1024	4800	4800	4800	4773	4800	4748	24000	23921	99.67%	01:32.500
<b>Total:</b>				24000	24000	23954	23973	23905	23809	120000	119641	99.70%	01:33.562

5	20	3000	1024	12000	11905	11904	12000	12000	12000	60000	59809	99.68%	02:12.229
5	20	3000	1024	12000	11828	11937	12000	11736	11649	60000	59150	98.58%	02:13.539
5	20	3000	1024	12000	11950	11835	11906	11980	12000	60000	59671	99.45%	02:14.558
5	20	3000	1024	12000	11793	11681	12000	11750	11812	60000	59036	98.39%	02:14.081
5	20	3000	1024	12000	12000	11901	12000	11801	12000	60000	59702	99.50%	02:12.938
<b>Total:</b>				60000	59476	59258	59906	59267	59461	300000	297368	99.12%	02:13.469

interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	10	6000	1024	24000	22964	20908	23016	18249	22323	120000	107460	89.55%	05:25.952
5	10	6000	1024	24000	23305	22925	22573	19267	23281	120000	111351	92.79%	05:35.257
5	10	6000	1024	24000	22663	19154	23222	23126	23422	120000	111587	92.99%	05:35.299
5	10	6000	1024	24000	22348	20262	23235	23018	23250	120000	112113	93.43%	05:33.821
5	10	6000	1024	24000	22679	22539	19735	22285	21699	120000	108937	90.78%	05:29.616
<b>Total:</b>				120000	113959	105788	111781	105945	113975	600000	551448	91.91%	05:31.989

5	5	12000	1024	48000	28522	26289	20346	24848	29220	240000	129225	53.84%	08:50.235
5	5	12000	1024	48000	25366	27077	28561	22400	29368	240000	132772	55.32%	08:58.977
5	5	12000	1024	48000	28849	18663	26169	27950	23887	240000	125518	52.30%	08:39.106
5	5	12000	1024	48000	29724	30576	22097	29674	25865	240000	137936	57.47%	08:55.533
5	5	12000	1024	48000	24597	18943	26852	28597	28351	240000	127340	53.06%	08:45.271
<b>Total:</b>				240000	137058	121548	124025	133469	136691	1200000	652791	54.40%	08:49.824

5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.572
5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.499
5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.493
5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.519
5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.495
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:14.516

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:15.532
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:15.489
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:15.461
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:15.591
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:15.719
<b>Total:</b>				2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:15.558

5	200	300	5120	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:19.159
5	200	300	5120	1200	1191	1200	1200	1200	1200	6000	5991	99.85%	01:19.582
5	200	300	5120	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:18.732
5	200	300	5120	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:18.630
5	200	300	5120	1200	1199	1200	1200	1200	1200	6000	5999	99.98%	01:19.477
<b>Total:</b>				6000	5990	6000	6000	6000	6000	30000	29990	99.97%	01:19.116

5	100	600	5120	2400	2400	2349	2400	2400	2400	12000	11949	99.58%	01:25.551
5	100	600	5120	2400	2397	2400	2400	2400	2400	12000	11997	99.98%	01:24.091
5	100	600	5120	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:24.133
5	100	600	5120	2400	2400	2388	2332	2400	2400	12000	11920	99.33%	01:25.938
5	100	600	5120	2400	2400	2400	2399	2400	2400	12000	11999	99.99%	01:24.038
<b>Total:</b>				12000	11997	11937	11931	12000	12000	60000	59865	99.78%	01:24.750

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	50	1200	5120	4800	4748	4800	4800	4800	4800	24000	23948	99.78%	01:32.127
5	50	1200	5120	4800	4800	4588	4800	4800	4800	24000	23788	99.12%	01:34.555
5	50	1200	5120	4800	4713	4669	4784	4724	4800	24000	23690	98.71%	01:33.115
5	50	1200	5120	4800	4800	4683	4724	4800	4800	24000	23807	99.20%	01:32.215
5	50	1200	5120	4800	4771	4800	4800	4800	4800	24000	23971	99.88%	01:31.110
<b>Total:</b>				24000	23832	23540	23908	23924	24000	120000	119204	99.34%	01:32.624

5	20	3000	5120	12000	11925	12000	11537	12000	11821	60000	59283	98.81%	01:50.187
5	20	3000	5120	12000	11621	11814	11862	12000	12000	60000	59297	98.83%	01:49.424
5	20	3000	5120	12000	12000	11998	12000	11954	12000	60000	59952	99.92%	01:46.479
5	20	3000	5120	12000	11844	12000	11862	12000	11889	60000	59595	99.33%	01:47.959
5	20	3000	5120	12000	11819	11859	12000	11145	11952	60000	58775	97.96%	01:52.564
<b>Total:</b>				60000	59209	59671	59261	59099	59662	300000	296902	98.97%	01:49.323

5	10	6000	5120	24000	23844	22941	23760	22974	23759	120000	117278	97.73%	02:10.798
5	10	6000	5120	24000	23217	23550	23589	22009	23223	120000	115588	96.32%	02:21.089
5	10	6000	5120	24000	23175	23238	23992	23236	23336	120000	116977	97.48%	02:11.582
5	10	6000	5120	24000	23005	22753	23474	23163	23916	120000	116311	96.93%	02:16.276
5	10	6000	5120	24000	23225	23767	23463	23581	24000	120000	118036	98.36%	02:09.806
<b>Total:</b>				120000	116466	116249	118278	114963	118234	600000	584190	97.37%	02:13.910

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Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	5	12000	5120	48000	45948	44655	45223	45687	45876	240000	227389	94.75%	03:16.796
5	5	12000	5120	48000	44775	44040	45127	44038	45131	240000	223111	92.96%	03:19.187
5	5	12000	5120	48000	44501	46345	45662	45345	45467	240000	227320	94.72%	03:13.611
5	5	12000	5120	48000	46176	44106	45259	43442	45127	240000	224110	93.38%	03:15.382
5	5	12000	5120	48000	44371	45209	44713	44987	46392	240000	225672	94.03%	03:18.207
<b>Total:</b>				240000	225771	224355	225984	223499	227993	1200000	1127602	93.97%	03:16.637

5	2	30000	5120	120000	107235	106735	105383	106603	107085	600000	533041	88.84%	07:29.756
5	2	30000	5120	120000	106809	108189	105052	115011	105932	600000	540993	90.17%	07:23.188
5	2	30000	5120	120000	108097	109446	103621	108948	108578	600000	538690	89.78%	07:30.475
5	2	30000	5120	120000	106369	111056	109714	109500	110316	600000	546955	91.16%	07:21.389
5	2	30000	5120	120000	106373	107561	105628	106514	108772	600000	534848	89.14%	07:30.604
<b>Total:</b>				600000	534883	542987	529398	546576	540683	3000000	2694527	89.82%	07:27.082

5	1	60000	5120	240000	210965	204882	209432	212281	211567	1200000	1049127	87.43%	17:48.963
5	1	60000	5120	240000	211927	202948	209412	211927	208507	1200000	1044721	87.06%	17:57.831
5	1	60000	5120	240000	209075	204042	209462	210806	212161	1200000	1045546	87.13%	18:02.305
5	1	60000	5120	240000	208862	202000	208168	208341	215097	1200000	1042468	86.87%	18:13.731
5	1	60000	5120	240000	210941	205312	213701	212204	209481	1200000	1051639	87.64%	17:50.799
<b>Total:</b>				1200000	1051770	1019184	1050175	1055559	1056813	6000000	5233501	87.23%	17:58.726

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:14.694
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:14.722
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:14.718
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:14.631
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:14.676
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:14.688

5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:16.041
5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:15.879
5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:15.888
5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:15.815
5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:16.002
<b>Total:</b>				2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:15.925

5	200	300	10240	1200	1200	1199	1200	1200	1200	6000	5999	99.98%	01:19.549
5	200	300	10240	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:19.716
5	200	300	10240	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:19.700
5	200	300	10240	1200	1198	1175	1200	1199	1200	6000	5972	99.53%	01:22.241
5	200	300	10240	1200	1185	1200	1200	1200	1200	6000	5985	99.75%	01:20.671
<b>Total:</b>				6000	5983	5974	6000	5999	6000	30000	29956	99.85%	01:20.375

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	100	600	10240	2400	2400	2400	2400	2327	2396	12000	11923	99.36%	01:27.110
5	100	600	10240	2400	2399	2400	2367	2400	2378	12000	11944	99.53%	01:26.459
5	100	600	10240	2400	2365	2353	2362	2382	2400	12000	11862	98.85%	01:27.030
5	100	600	10240	2400	2350	2369	2319	2394	2400	12000	11832	98.60%	01:29.161
5	100	600	10240	2400	2400	2382	2330	2400	2400	12000	11912	99.27%	01:27.784
<b>Total:</b>				12000	11914	11904	11778	11903	11974	60000	59473	99.12%	01:27.509

5	50	1200	10240	4800	4734	4800	4687	4719	4800	24000	23740	98.92%	01:35.294
5	50	1200	10240	4800	4768	4800	4665	4678	4800	24000	23711	98.80%	01:35.530
5	50	1200	10240	4800	4749	4800	4507	4572	4800	24000	23428	97.62%	01:37.820
5	50	1200	10240	4800	4756	4769	4714	4577	4800	24000	23616	98.40%	01:38.129
5	50	1200	10240	4800	4800	4795	4728	4700	4800	24000	23823	99.26%	01:34.791
<b>Total:</b>				24000	23807	23964	23301	23246	24000	120000	118318	98.60%	01:36.313

5	20	3000	10240	12000	11617	11436	11164	11300	11679	60000	57196	95.33%	01:59.946
5	20	3000	10240	12000	11782	11259	11779	11384	11597	60000	57801	96.34%	01:56.529
5	20	3000	10240	12000	11036	11433	11658	11387	11683	60000	57197	95.33%	01:57.313
5	20	3000	10240	12000	11491	11786	11717	11445	11627	60000	58066	96.78%	01:53.466
5	20	3000	10240	12000	11420	11013	11552	11384	11903	60000	57272	95.45%	01:58.081
<b>Total:</b>				60000	57346	56927	57870	56900	58489	300000	287532	95.84%	01:57.067



## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	10	6000	10240	24000	22044	23066	22284	21928	22821	120000	112143	93.45%	02:36.486
5	10	6000	10240	24000	22755	22150	22117	22654	22575	120000	112251	93.54%	02:39.770
5	10	6000	10240	24000	22813	22478	23066	22632	23123	120000	114112	95.09%	02:38.989
5	10	6000	10240	24000	22448	21922	22618	21454	22244	120000	110686	92.24%	02:41.604
5	10	6000	10240	24000	21732	21060	22179	21522	22782	120000	109275	91.06%	02:46.698
<b>Total:</b>				120000	111792	110676	112264	110190	113545	600000	558467	93.08%	02:40.709

5	5	12000	10240	48000	42153	44214	42758	41044	42684	240000	212853	88.69%	04:33.291
5	5	12000	10240	48000	42924	43599	42264	40126	41802	240000	210715	87.80%	04:36.715
5	5	12000	10240	48000	41040	44801	42763	42651	42615	240000	213870	89.11%	04:35.987
5	5	12000	10240	48000	42454	43932	42851	42658	43138	240000	215033	89.60%	04:37.956
5	5	12000	10240	48000	41921	42898	43878	41642	42076	240000	212415	88.51%	04:42.135
<b>Total:</b>				240000	210492	219444	214514	208121	212315	1200000	1064886	88.74%	04:37.217

5	2	30000	10240	120000	104939	105594	106120	103128	105796	600000	525577	87.60%	14:10.154
5	2	30000	10240	120000	104563	105382	105869	103660	104432	600000	523906	87.32%	14:32.354
5	2	30000	10240	120000	103248	104902	101965	102929	102771	600000	515815	85.97%	14:36.882
5	2	30000	10240	120000	102734	105506	104172	101048	104819	600000	518279	86.38%	14:28.117
5	2	30000	10240	120000	103236	105202	105596	103594	104462	600000	522090	87.02%	14:28.270
<b>Total:</b>				600000	518720	526586	523722	514359	522280	3000000	2605667	86.86%	14:27.155

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Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	1	60000	10240	240000	166524	75259	166399	163138	168620	1200000	739940	61.66%	21:50.985
5	1	60000	10240	240000	174738	85472	176325	175465	176761	1200000	788761	65.73%	21:02.353
5	1	60000	10240	240000	174504	92985	174762	175805	173369	1200000	791425	65.95%	21:06.933
5	1	60000	10240	240000	172366	87667	170068	165470	172755	1200000	768326	64.03%	21:38.473
5	1	60000	10240	240000	174654	89378	174899	175140	177329	1200000	791400	65.95%	21:23.157
<b>Total:</b>				1200000	862786	430761	862453	855018	868834	6000000	3879852	64.66%	21:24.380

5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:16.300
5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:15.355
5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:15.306
5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:15.308
5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:16.485
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:15.751

5	500	120	25600	480	480	480	480	480	480	2400	2400	100.00%	01:17.069
5	500	120	25600	480	480	480	480	480	480	2400	2400	100.00%	01:17.350
5	500	120	25600	480	480	480	480	480	480	2400	2400	100.00%	01:17.290
5	500	120	25600	480	471	480	480	480	480	2400	2391	99.63%	01:18.803
5	500	120	25600	480	480	473	480	480	480	2400	2393	99.71%	01:19.132
<b>Total:</b>				2400	2391	2393	2400	2400	2400	12000	11984	99.87%	01:17.929

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	200	300	25600	1200	1200	1200	1200	1200	1176	6000	5976	99.60%	01:23.533
5	200	300	25600	1200	1171	1169	1200	1200	1196	6000	5936	98.93%	01:25.887
5	200	300	25600	1200	1144	1200	1200	1200	1176	6000	5920	98.67%	01:26.214
5	200	300	25600	1200	1162	1188	1200	1200	1200	6000	5950	99.17%	01:24.531
5	200	300	25600	1200	1177	1200	1200	1200	1200	6000	5977	99.62%	01:24.068
<b>Total:</b>				6000	5854	5957	6000	6000	5948	30000	29759	99.20%	01:24.847

5	100	600	25600	2400	2346	2396	2380	2187	2390	12000	11699	97.49%	01:37.046
5	100	600	25600	2400	2364	2382	2341	2340	2331	12000	11758	97.98%	01:33.677
5	100	600	25600	2400	2378	2338	2400	2400	2392	12000	11908	99.23%	01:33.116
5	100	600	25600	2400	2231	2368	2400	2270	2325	12000	11594	96.62%	01:35.967
5	100	600	25600	2400	2386	2391	2395	2392	2400	12000	11964	99.70%	01:31.526
<b>Total:</b>				12000	11705	11875	11916	11589	11838	60000	58923	98.21%	01:34.266

5	50	1200	25600	4800	4687	4593	4611	4469	4595	24000	22955	95.65%	01:50.349
5	50	1200	25600	4800	4800	4777	4800	4800	4800	24000	23977	99.90%	01:33.079
5	50	1200	25600	4800	4545	4337	4739	4422	4511	24000	22554	93.98%	01:55.684
5	50	1200	25600	4800	4549	4680	4653	4549	4734	24000	23165	96.52%	01:48.258
5	50	1200	25600	4800	4566	4632	4462	4262	4488	24000	22410	93.38%	01:51.879
<b>Total:</b>				24000	23147	23019	23265	22502	23128	120000	115061	95.88%	01:47.850

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	20	3000	25600	12000	10760	10342	11078	10493	10497	60000	53170	88.62%	02:50.094
5	20	3000	25600	12000	10562	10405	10135	10653	10758	60000	52513	87.52%	02:51.463
5	20	3000	25600	12000	10959	10850	10717	10504	10407	60000	53437	89.06%	02:48.388
5	20	3000	25600	12000	10641	10248	10421	10431	10591	60000	52332	87.22%	02:52.752
5	20	3000	25600	12000	10813	10306	10495	10564	10586	60000	52764	87.94%	02:51.828
<b>Total:</b>				60000	53735	52151	52846	52645	52839	300000	264216	88.07%	02:50.905

5	10	6000	25600	24000	19135	18428	18966	19293	19043	120000	94865	79.05%	04:43.158
5	10	6000	25600	24000	19800	19244	19025	19704	19810	120000	97583	81.32%	04:32.383
5	10	6000	25600	24000	19640	18237	19017	19475	19071	120000	95440	79.53%	04:41.154
5	10	6000	25600	24000	19744	18677	19222	19765	19170	120000	96578	80.48%	04:38.954
5	10	6000	25600	24000	19643	19125	19376	19258	18889	120000	96291	80.24%	04:37.636
<b>Total:</b>				120000	97962	93711	95606	97495	95983	600000	480757	80.13%	04:38.657

5	5	12000	25600	48000	37111	34134	36374	34604	36195	240000	178418	74.34%	07:49.906
5	5	12000	25600	48000	36492	33075	35640	36109	35970	240000	177286	73.87%	07:53.688
5	5	12000	25600	48000	36102	32827	35305	34506	35233	240000	173973	72.49%	08:04.423
5	5	12000	25600	48000	35685	34987	36593	36740	36602	240000	180607	75.25%	07:41.666
5	5	12000	25600	48000	36814	33092	36134	36205	34845	240000	177090	73.79%	07:54.339
<b>Total:</b>				240000	182204	168115	180046	178164	178845	1200000	887374	73.95%	07:52.804

interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:16.411
5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:16.129
5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:16.524
5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:16.384
5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:14.459
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:15.981

5	500	120	51200	480	480	466	480	480	479	2400	2385	99.38%	01:22.975
5	500	120	51200	480	474	476	480	480	471	2400	2381	99.21%	01:21.008
5	500	120	51200	480	480	480	480	480	476	2400	2396	99.83%	01:18.592
5	500	120	51200	480	480	480	480	480	480	2400	2400	100.00%	01:18.718
5	500	120	51200	480	472	480	480	480	469	2400	2381	99.21%	01:20.474
<b>Total:</b>				2400	2386	2382	2400	2400	2375	12000	11943	99.53%	01:20.353

5	200	300	51200	1200	1200	1200	1190	1200	1200	6000	5990	99.83%	01:24.925
5	200	300	51200	1200	1172	1200	1200	1200	1200	6000	5972	99.53%	01:26.796
5	200	300	51200	1200	1195	1192	1192	1186	1158	6000	5923	98.72%	01:27.320
5	200	300	51200	1200	1177	1196	1192	1200	1200	6000	5965	99.42%	01:26.287
5	200	300	51200	1200	1187	1193	1196	1175	1198	6000	5949	99.15%	01:27.361
<b>Total:</b>				6000	5931	5981	5970	5961	5956	30000	29799	99.33%	01:26.538

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	100	600	51200	2400	2228	2302	2299	2256	2217	12000	11302	94.18%	01:43.587
5	100	600	51200	2400	2210	2328	2302	2296	2287	12000	11423	95.19%	01:44.656
5	100	600	51200	2400	2250	2168	2399	2307	2200	12000	11324	94.37%	01:45.574
5	100	600	51200	2400	2308	2190	2321	2236	2325	12000	11380	94.83%	01:46.019
5	100	600	51200	2400	2396	2290	2363	2177	2300	12000	11526	96.05%	01:44.974
<b>Total:</b>				12000	11392	11278	11684	11272	11329	60000	56955	94.93%	01:44.962

5	50	1200	51200	4800	4345	4204	4246	4382	4381	24000	21558	89.83%	02:28.166
5	50	1200	51200	4800	4326	4535	4309	4413	4351	24000	21934	91.39%	02:17.397
5	50	1200	51200	4800	4530	4347	4173	4438	4156	24000	21644	90.18%	02:20.669
5	50	1200	51200	4800	4485	4356	4387	4384	4483	24000	22095	92.06%	02:22.536
5	50	1200	51200	4800	4424	4296	4357	4185	4433	24000	21695	90.40%	02:24.223
<b>Total:</b>				24000	22110	21738	21472	21802	21804	120000	108926	90.77%	02:22.598

5	20	3000	51200	12000	9515	9264	9486	9542	9225	60000	47032	78.39%	04:09.282
5	20	3000	51200	12000	9796	9143	9513	9500	9506	60000	47458	79.10%	04:07.697
5	20	3000	51200	12000	9571	9116	9447	9501	9549	60000	47184	78.64%	04:09.519
5	20	3000	51200	12000	9735	9241	9654	9366	9636	60000	47632	79.39%	04:04.195
5	20	3000	51200	12000	9603	9432	9564	9304	9549	60000	47452	79.09%	04:09.042
<b>Total:</b>				60000	48220	46196	47664	47213	47465	300000	236758	78.92%	04:07.947

interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	10	6000	51200	24000	17189	16660	17073	17296	16896	120000	85114	70.93%	06:52.784
5	10	6000	51200	24000	17378	16096	16715	17129	17346	120000	84664	70.55%	06:56.006
5	10	6000	51200	24000	17499	16614	17678	17056	17177	120000	86024	71.69%	07:00.180
5	10	6000	51200	24000	17608	16862	17483	17531	16876	120000	86360	71.97%	06:53.454
5	10	6000	51200	24000	16494	15969	16658	16796	16531	120000	82448	68.71%	07:03.802
<b>Total:</b>				120000	86168	82201	85607	85808	84826	600000	424610	70.77%	06:57.245

interval

### Interval time measurement with sending notification to the server

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	01:14.732
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	01:14.754
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	01:14.679
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	01:14.853
5	1000	60	1024	240	240	240	240	240	240	1200	1200	100.00%	01:14.550
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:14.714

5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.745
5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.664
5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.869
5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.745
5	500	120	1024	480	480	480	480	480	480	2400	2400	100.00%	01:15.621
<b>Total:</b>				2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:15.729

5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:19.156
5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:19.140
5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:19.322
5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:19.134
5	200	300	1024	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:19.385
<b>Total:</b>				6000	6000	6000	6000	6000	6000	30000	30000	100.00%	01:19.227



## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	100	600	1024	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:25.055
5	100	600	1024	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:24.787
5	100	600	1024	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:25.041
5	100	600	1024	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:24.863
5	100	600	1024	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:24.919
<b>Total:</b>				12000	12000	12000	12000	12000	12000	60000	60000	100.00%	01:24.933

5	50	1200	1024	4800	4800	4800	4800	4800	4800	24000	24000	100.00%	01:33.657
5	50	1200	1024	4800	4800	4800	4800	4800	4800	24000	24000	100.00%	01:33.721
5	50	1200	1024	4800	4800	4800	4800	4800	4800	24000	24000	100.00%	01:34.600
5	50	1200	1024	4800	4800	4800	4800	4800	4800	24000	24000	100.00%	01:34.335
5	50	1200	1024	4800	4800	4785	4800	4800	4800	24000	23985	99.94%	01:33.795
<b>Total:</b>				24000	24000	23985	24000	24000	24000	120000	119985	99.99%	01:34.022

5	20	3000	1024	12000	12000	11920	12000	11922	11992	60000	59834	99.72%	02:17.441
5	20	3000	1024	12000	11961	12000	12000	12000	12000	60000	59961	99.94%	02:17.382
5	20	3000	1024	12000	12000	12000	12000	12000	12000	60000	60000	100.00%	02:19.194
5	20	3000	1024	12000	11947	12000	12000	12000	11777	60000	59724	99.54%	02:17.833
5	20	3000	1024	12000	11878	12000	12000	12000	11875	60000	59753	99.59%	02:17.032
<b>Total:</b>				60000	59786	59920	60000	59922	59644	300000	299272	99.76%	02:17.776

interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	10	6000	1024	24000	22516	21297	22685	18521	21994	120000	107013	89.18%	05:30.591
5	10	6000	1024	24000	21436	22515	22347	20433	18472	120000	105203	87.67%	05:28.981
5	10	6000	1024	24000	22868	21358	20357	21932	22611	120000	109126	90.94%	05:36.954
5	10	6000	1024	24000	22064	18353	20635	21302	22522	120000	104876	87.40%	05:35.467
5	10	6000	1024	24000	20939	23079	22793	22735	22843	120000	112389	93.66%	05:35.127
<b>Total:</b>				120000	109823	106602	108817	104923	108442	600000	538607	89.77%	05:33.424

5	5	12000	1024	48000	19580	26798	29815	28853	23909	240000	128955	53.73%	09:18.629
5	5	12000	1024	48000	30588	30792	22806	25350	18073	240000	127609	53.17%	08:53.615
5	5	12000	1024	48000	35349	20160	35128	31326	24985	240000	146948	61.23%	08:42.344
5	5	12000	1024	48000	36791	19324	36216	23432	35316	240000	151079	62.95%	07:22.585
5	5	12000	1024	48000	22991	25476	28181	26862	24527	240000	128037	53.35%	08:20.664
<b>Total:</b>				240000	145299	122550	152146	135823	126810	1200000	682628	56.89%	08:31.567

5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.699
5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.870
5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.781
5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.947
5	1000	60	5120	240	240	240	240	240	240	1200	1200	100.00%	01:14.945
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:14.848

interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:15.976
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:15.914
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:15.934
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:16.229
5	500	120	5120	480	480	480	480	480	480	2400	2400	100.00%	01:16.123
<b>Total:</b>				2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:16.035

5	200	300	5120	1200	1195	1200	1200	1200	1200	6000	5995	99.92%	01:21.509
5	200	300	5120	1200	1200	1197	1200	1200	1200	6000	5997	99.95%	01:20.792
5	200	300	5120	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:19.806
5	200	300	5120	1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:20.202
5	200	300	5120	1200	1200	1200	1200	1200	1187	6000	5987	99.78%	01:21.085
<b>Total:</b>				6000	5995	5997	6000	6000	5987	30000	29979	99.93%	01:20.679

5	100	600	5120	2400	2400	2400	2400	2394	2391	12000	11985	99.88%	01:27.053
5	100	600	5120	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:26.333
5	100	600	5120	2400	2400	2400	2400	2400	2389	12000	11989	99.91%	01:26.503
5	100	600	5120	2400	2400	2378	2400	2400	2369	12000	11947	99.56%	01:26.762
5	100	600	5120	2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:26.356
<b>Total:</b>				12000	12000	11978	12000	11994	11949	60000	59921	99.87%	01:26.601

interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	50	1200	5120	4800	4800	4800	4800	4750	4800	24000	23950	99.79%	01:37.285
5	50	1200	5120	4800	4797	4800	4800	4762	1596	24000	20755	86.48%	01:39.130
5	50	1200	5120	4800	4755	4768	4800	4625	4759	24000	23707	98.78%	01:39.003
5	50	1200	5120	4800	4692	4760	4800	4726	4796	24000	23774	99.06%	01:38.148
5	50	1200	5120	4800	4758	4800	4800	4460	4800	24000	23618	98.41%	01:41.266
<b>Total:</b>				24000	23802	23928	24000	23323	20751	120000	115804	96.50%	01:38.966

5	20	3000	5120	12000	12000	12000	11845	11131	11952	60000	58928	98.21%	02:25.076
5	20	3000	5120	12000	11830	11984	12000	12000	12000	60000	59814	99.69%	02:25.358
5	20	3000	5120	12000	12000	11924	12000	11808	12000	60000	59732	99.55%	02:23.166
5	20	3000	5120	12000	11904	11956	12000	12000	11895	60000	59755	99.59%	02:23.689
5	20	3000	5120	12000	11699	11835	11936	11588	11951	60000	59009	98.35%	02:25.359
<b>Total:</b>				60000	59433	59699	59781	58527	59798	300000	297238	99.08%	02:24.530

5	10	6000	5120	24000	16786	18714	16740	18309	18404	120000	88953	74.13%	04:32.201
5	10	6000	5120	24000	21516	19198	17441	20966	13853	120000	92974	77.48%	05:23.388
5	10	6000	5120	24000	16530	15603	18781	18610	18752	120000	88276	73.56%	04:30.516
5	10	6000	5120	24000	18848	18096	18606	16990	18661	120000	91201	76.00%	03:48.814
5	10	6000	5120	24000	19209	18387	19192	16278	16679	120000	89745	74.79%	04:08.957
<b>Total:</b>				120000	92889	89998	90760	91153	86349	600000	451149	75.19%	04:28.775

interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:15.007
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:15.173
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:14.886
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:15.049
5	1000	60	10240	240	240	240	240	240	240	1200	1200	100.00%	01:14.838
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:14.991

5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:16.146
5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:16.304
5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:16.463
5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:16.952
5	500	120	10240	480	480	480	480	480	480	2400	2400	100.00%	01:16.222
<b>Total:</b>				2400	2400	2400	2400	2400	2400	12000	12000	100.00%	01:16.417

5	200	300	10240	1200	1200	1190	1200	1200	1200	6000	5990	99.83%	01:21.591
5	200	300	10240	1200	1200	1200	1200	1185	1200	6000	5985	99.75%	01:22.397
5	200	300	10240	1200	1194	1200	1200	1200	1197	6000	5991	99.85%	01:21.670
5	200	300	10240	1200	1200	1200	1200	1200	1197	6000	5997	99.95%	01:21.154
5	200	300	10240	1200	1200	1195	1200	1200	1200	6000	5995	99.92%	01:21.208
<b>Total:</b>				6000	5994	5985	6000	5985	5994	30000	29958	99.86%	01:21.604

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	100	600	10240	2400	2360	2393	2400	2376	2384	12000	11913	99.28%	01:29.403
5	100	600	10240	2400	2354	2400	2400	2400	2400	12000	11954	99.62%	01:28.816
5	100	600	10240	2400	2384	2400	2400	2400	2371	12000	11955	99.63%	01:29.924
5	100	600	10240	2400	2379	2361	2400	2371	2385	12000	11896	99.13%	01:29.077
5	100	600	10240	2400	2400	2369	2400	2295	2365	12000	11829	98.58%	01:30.869
<b>Total:</b>				12000	11877	11923	12000	11842	11905	60000	59547	99.25%	01:29.618

5	50	1200	10240	4800	4755	4800	4781	4582	4800	24000	23718	98.83%	01:40.069
5	50	1200	10240	4800	4719	4686	4800	4598	4695	24000	23498	97.91%	01:41.982
5	50	1200	10240	4800	4800	4531	4800	4706	4800	24000	23637	98.49%	01:41.138
5	50	1200	10240	4800	4800	4646	4797	4657	4800	24000	23700	98.75%	01:38.661
5	50	1200	10240	4800	4696	4588	4594	4800	4737	24000	23415	97.56%	01:39.401
<b>Total:</b>				24000	23770	23251	23772	23343	23832	120000	117968	98.31%	01:40.250

5	20	3000	10240	12000	11095	11828	11958	11120	11593	60000	57594	95.99%	02:06.337
5	20	3000	10240	12000	11669	11539	11585	11524	11863	60000	58180	96.97%	02:10.537
5	20	3000	10240	12000	11761	11822	11715	11795	10938	60000	58031	96.72%	02:06.876
5	20	3000	10240	12000	10889	11548	11724	10993	11924	60000	57078	95.13%	02:07.952
5	20	3000	10240	12000	11630	10466	11611	10709	11322	60000	55738	92.90%	02:15.999
<b>Total:</b>				60000	57044	57203	58593	56141	57640	300000	286621	95.54%	02:09.540

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	10	6000	10240	24000	21893	21219	22127	21085	22066	120000	108390	90.33%	03:17.139
5	10	6000	10240	24000	21572	21800	21553	21435	22126	120000	108486	90.41%	03:11.898
5	10	6000	10240	24000	21610	21469	21798	21438	21649	120000	107964	89.97%	03:10.768
5	10	6000	10240	24000	21526	22270	21885	20226	21577	120000	107484	89.57%	03:06.800
5	10	6000	10240	24000	22167	21899	22263	21716	22033	120000	110078	91.73%	03:10.632
<b>Total:</b>				120000	108768	108657	109626	105900	109451	600000	542402	90.40%	03:11.447

5	5	12000	10240	48000	39750	36489	39510	39726	40874	240000	196349	81.81%	05:16.999
5	5	12000	10240	48000	39178	28137	39236	39569	38866	240000	184986	77.08%	05:40.080
5	5	12000	10240	48000	39654	37776	41278	41013	41173	240000	200894	83.71%	05:19.978
5	5	12000	10240	48000	40004	34724	40112	40562	40097	240000	195499	81.46%	05:27.042
5	5	12000	10240	48000	40950	36543	41174	40695	41483	240000	200845	83.69%	05:21.121
<b>Total:</b>				240000	199536	173669	201310	201565	202493	1200000	978573	81.55%	05:25.044

5	2	30000	10240	120000	89276	42321	89093	88408	89271	600000	398369	66.39%	12:25.266
5	2	30000	10240	120000	87254	36323	87679	86179	87169	600000	384604	64.10%	13:06.177
5	2	30000	10240	120000	88987	55130	90128	87869	91328	600000	413442	68.91%	12:12.288
5	2	30000	10240	120000	90545	45525	90490	91298	90069	600000	407927	67.99%	12:12.996
5	2	30000	10240	120000	86258	38173	86581	87924	88620	600000	387556	64.59%	12:34.332
<b>Total:</b>				600000	442320	217472	443971	441678	446457	3000000	1991898	66.40%	12:30.212

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:15.615
5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:15.554
5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:15.642
5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:15.507
5	1000	60	25600	240	240	240	240	240	240	1200	1200	100.00%	01:15.593
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:15.582

5	500	120	25600	480	480	480	480	480	480	2400	2400	100.00%	01:17.988
5	500	120	25600	480	480	480	480	480	480	2400	2400	100.00%	01:18.101
5	500	120	25600	480	480	472	480	479	480	2400	2391	99.63%	01:18.544
5	500	120	25600	480	480	479	478	476	476	2400	2389	99.54%	01:18.986
5	500	120	25600	480	480	480	480	480	480	2400	2400	100.00%	01:18.232
<b>Total:</b>				2400	2400	2391	2398	2395	2396	12000	11980	99.83%	01:18.370

5	200	300	25600	1200	1200	1200	1200	1145	1144	6000	5889	98.15%	01:26.737
5	200	300	25600	1200	1180	1200	1200	1200	1185	6000	5965	99.42%	01:24.407
5	200	300	25600	1200	1184	1114	1200	1200	1200	6000	5898	98.30%	01:28.303
5	200	300	25600	1200	1200	1097	1200	1200	1178	6000	5875	97.92%	01:29.502
5	200	300	25600	1200	1168	1171	1184	1200	1200	6000	5923	98.72%	01:25.552
<b>Total:</b>				6000	5932	5782	5984	5945	5907	30000	29550	98.50%	01:26.900



## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	100	600	25600	2400	2400	2311	2400	2364	2400	12000	11875	98.96%	01:34.339
5	100	600	25600	2400	2400	2393	2400	2400	2392	12000	11985	99.88%	01:32.146
5	100	600	25600	2400	2400	2388	2376	2248	2369	12000	11781	98.18%	01:37.760
5	100	600	25600	2400	2270	2400	2277	2400	2334	12000	11681	97.34%	01:36.964
5	100	600	25600	2400	2366	2400	2391	2310	2392	12000	11859	98.83%	01:34.535
<b>Total:</b>				12000	11836	11892	11844	11722	11887	60000	59181	98.64%	01:35.149

5	50	1200	25600	4800	4566	4485	4566	4154	4724	24000	22495	93.73%	01:56.647
5	50	1200	25600	4800	4556	4454	4660	4692	4732	24000	23094	96.23%	01:56.708
5	50	1200	25600	4800	4622	4304	4569	4026	4637	24000	22158	92.33%	01:59.722
5	50	1200	25600	4800	4300	4674	4784	4660	4362	24000	22780	94.92%	01:56.748
5	50	1200	25600	4800	4600	4447	4731	4679	4457	24000	22914	95.48%	01:56.627
<b>Total:</b>				24000	22644	22364	23310	22211	22912	120000	113441	94.53%	01:57.290

5	20	3000	25600	12000	10483	9808	10429	10163	9954	60000	50837	84.73%	03:02.892
5	20	3000	25600	12000	10384	10447	10921	10433	10600	60000	52785	87.98%	02:57.796
5	20	3000	25600	12000	10558	10332	10795	10359	10258	60000	52302	87.17%	02:57.208
5	20	3000	25600	12000	10469	10726	10544	10429	10561	60000	52729	87.88%	02:57.261
5	20	3000	25600	12000	10784	10832	10295	10605	10596	60000	53112	88.52%	02:59.479
<b>Total:</b>				60000	52678	52145	52984	51989	51969	300000	261765	87.26%	02:58.927

interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	10	6000	25600	24000	19212	19393	19478	19193	19244	120000	96520	80.43%	04:50.150
5	10	6000	25600	24000	19540	19902	19697	19115	19920	120000	98174	81.81%	04:39.165
5	10	6000	25600	24000	19444	19191	20030	19283	19442	120000	97390	81.16%	04:48.144
5	10	6000	25600	24000	19423	19037	19835	19730	19418	120000	97443	81.20%	04:43.999
5	10	6000	25600	24000	19795	19686	20072	19120	19146	120000	97819	81.52%	04:42.606
<b>Total:</b>				120000	97414	97209	99112	96441	97170	600000	487346	81.22%	04:44.813

5	5	12000	25600	48000	36677	35737	37172	37650	36971	240000	184207	76.75%	08:09.168
5	5	12000	25600	48000	35043	35007	36548	36441	35787	240000	178826	74.51%	08:15.984
5	5	12000	25600	48000	36109	35842	36071	36283	37042	240000	181347	75.56%	08:09.121
5	5	12000	25600	48000	37289	35810	36972	36886	36144	240000	183101	76.29%	08:12.610
5	5	12000	25600	48000	36267	34620	36492	36619	35063	240000	179061	74.61%	08:25.599
<b>Total:</b>				240000	181385	177016	183255	183879	181007	1200000	906542	75.55%	08:14.496

5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:16.521
5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:16.799
5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:16.536
5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:16.535
5	1000	60	51200	240	240	240	240	240	240	1200	1200	100.00%	01:17.872
<b>Total:</b>				1200	1200	1200	1200	1200	1200	6000	6000	100.00%	01:16.853

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Elapsed time
					#0	#1	#2	#3	#4				
5	500	120	51200	480	461	480	474	472	472	2400	2359	98.29%	01:22.749
5	500	120	51200	480	480	472	480	480	473	2400	2385	99.38%	01:19.991
5	500	120	51200	480	480	461	480	476	480	2400	2377	99.04%	01:21.914
5	500	120	51200	480	474	477	480	480	480	2400	2391	99.63%	01:19.816
5	500	120	51200	480	466	480	480	476	480	2400	2382	99.25%	01:21.243
<b>Total:</b>				2400	2361	2370	2394	2384	2385	12000	11894	99.12%	01:21.143

5	200	300	51200	1200	1172	1157	1154	1160	1200	6000	5843	97.38%	01:29.167
5	200	300	51200	1200	1200	1191	1182	1177	1160	6000	5910	98.50%	01:28.265
5	200	300	51200	1200	1200	1198	1200	1134	1173	6000	5905	98.42%	01:29.935
5	200	300	51200	1200	1161	1150	1198	1181	1173	6000	5863	97.72%	01:29.735
5	200	300	51200	1200	1200	1200	1200	1151	1189	6000	5940	99.00%	01:28.048
<b>Total:</b>				6000	5933	5896	5934	5803	5895	30000	29461	98.20%	01:29.030

5	100	600	51200	2400	2398	2298	2384	2286	2345	12000	11711	97.59%	01:45.973
5	100	600	51200	2400	2159	2400	2254	2352	2399	12000	11564	96.37%	01:45.298
5	100	600	51200	2400	2325	2359	2364	2204	2276	12000	11528	96.07%	01:44.353
5	100	600	51200	2400	2278	2385	2359	2284	2397	12000	11703	97.53%	01:42.386
5	100	600	51200	2400	2328	2301	2165	2267	2370	12000	11431	95.26%	01:49.155
<b>Total:</b>				12000	11488	11743	11526	11393	11787	60000	57937	96.56%	01:45.433

## interval

Node count	Delay (ms)	Messages	Size (B)	Sent per node	Received					Total sent	Total received	Percentage	Enlapsed time
					#0	#1	#2	#3	#4				
5	50	1200	51200	4800	4276	4380	4279	4299	4445	24000	21679	90.33%	02:23.260
5	50	1200	51200	4800	4545	4526	4390	4385	4235	24000	22081	92.00%	02:19.644
5	50	1200	51200	4800	4374	4270	4358	4398	4382	24000	21782	90.76%	02:27.019
5	50	1200	51200	4800	4287	4322	4214	4344	4433	24000	21600	90.00%	02:24.640
5	50	1200	51200	4800	4277	4079	4315	4300	4398	24000	21369	89.04%	02:30.790
<b>Total:</b>				24000	21759	21577	21556	21726	21893	120000	108511	90.43%	02:25.071

5	20	3000	51200	12000	9710	9016	9559	9521	9033	60000	46839	78.07%	04:20.190
5	20	3000	51200	12000	9728	9519	9838	9593	9733	60000	48411	80.69%	04:14.605
5	20	3000	51200	12000	9394	9270	9331	9468	9719	60000	47182	78.64%	04:16.273
5	20	3000	51200	12000	9367	8998	9710	9225	9662	60000	46962	78.27%	04:21.015
5	20	3000	51200	12000	9251	9245	9683	9463	9650	60000	47292	78.82%	04:15.423
<b>Total:</b>				60000	47450	46048	48121	47270	47797	300000	236686	78.90%	04:17.501

5	10	6000	51200	24000	17425	17967	16800	17309	17816	120000	87317	72.76%	07:15.617
5	10	6000	51200	24000	17461	17367	17140	17323	17332	120000	86623	72.19%	07:11.806
5	10	6000	51200	24000	16982	15967	16945	16242	16519	120000	82655	68.88%	07:31.721
5	10	6000	51200	24000	17119	16877	16687	17566	16782	120000	85031	70.86%	07:14.949
5	10	6000	51200	24000	17369	16913	17050	16854	17116	120000	85302	71.09%	07:17.880
<b>Total:</b>				120000	86356	85091	84622	85294	85565	600000	426928	71.15%	07:18.395

### Response time with server notification

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	30	31	32	28	32	30.60	28	32
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	41	35	37	37	26	35.20	26	41
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	31	33	33	24	36	31.40	24	36
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	31	35	36	29	35	33.20	29	36
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	28	24	32	32	26	28.40	24	32
				<b>Total</b>					6000	6000	100.00%	<b>Average</b>					31.76	24	41

5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	17	21	19	21	19	19.40	17	21
5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	19	24	22	20	22	21.40	19	24
5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	18	23	21	18	23	20.60	18	23
5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	21	24	20	21	16	20.40	16	24
5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	20	16	17	22	22	19.40	16	22
				<b>Total</b>					12000	12000	100.00%	<b>Average</b>					20.24	16	24

5	200	300	1024	1200	1200	1200	1200	1200	6000	6000	100.00%	15	16	18	17	17	16.60	15	18
5	200	300	1024	1200	1200	1200	1200	1200	6000	6000	100.00%	17	17	16	17	16	16.60	16	17
5	200	300	1024	1200	1200	1200	1200	1200	6000	6000	100.00%	18	17	16	17	18	17.20	16	18
5	200	300	1024	1200	1200	1198	1200	1199	6000	5997	99.95%	19	24	27	20	20	22.00	19	27
5	200	300	1024	1200	1200	1200	1200	1200	6000	6000	100.00%	20	20	19	29	19	21.40	19	29
				<b>Total</b>					30000	29997	99.99%	<b>Average</b>					18.76	15	29

5	100	600	1024	2400	2400	2400	2400	2400	12000	12000	100.00%	16	23	18	17	18	18.40	16	23
5	100	600	1024	2400	2400	2400	2400	2400	12000	12000	100.00%	15	18	15	15	18	16.20	15	18
5	100	600	1024	2399	2398	2399	2399	2398	12000	11993	99.94%	23	28	20	22	26	23.80	20	28
5	100	600	1024	2396	2395	2395	2396	2390	12000	11972	99.77%	22	22	21	20	29	22.80	20	29
5	100	600	1024	2396	2396	2395	2391	2395	12000	11973	99.78%	18	19	19	27	19	20.40	18	27
				<b>Total</b>					60000	59938	99.90%	<b>Average</b>					20.32	15	29

5	50	1200	1024	4771	4780	4782	4783	4757	24000	23873	99.47%	32	30	30	29	32	30.60	29	32
5	50	1200	1024	4714	4746	4758	4756	4741	24000	23715	98.81%	38	35	37	34	39	36.60	34	39
5	50	1200	1024	4755	4753	4765	4770	4772	24000	23815	99.23%	35	39	39	37	38	37.60	35	39
5	50	1200	1024	4687	4684	4724	4740	4714	24000	23549	98.12%	45	44	38	43	40	42.00	38	45
5	50	1200	1024	4749	4748	4724	4757	4745	24000	23723	98.85%	33	40	39	36	36	36.80	33	40
				<b>Total</b>					120000	118675	98.90%	<b>Average</b>					36.72	29	45

response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing (ms)							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	20	3000	1024	7555	7471	7520	7310	7339	60000	37195	61.99%	227	220	217	220	224	221.60	217	227
5	20	3000	1024	7718	7644	7370	7477	7237	60000	37446	62.41%	215	227	219	222	218	220.20	215	227
5	20	3000	1024	7709	7933	7675	7614	7504	60000	38435	64.06%	245	246	246	252	248	247.40	245	252
5	20	3000	1024	7473	7531	7467	7562	7360	60000	37393	62.32%	237	244	245	242	244	242.40	237	245
5	20	3000	1024	7413	7441	7473	7284	7603	60000	37214	62.02%	239	226	234	227	228	230.80	226	239
				<b>Total</b>					300000	187683	62.56%	<b>Average</b>							
												232.48	215	252					

5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	33	34	28	37	31	32.60	28	37
5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	32	35	35	35	36	34.60	32	36
5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	28	29	28	32	34	30.20	28	34
5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	25	42	39	36	40	36.40	25	42
5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	31	29	35	34	31	32.00	29	35
				<b>Total</b>					6000	6000	100.00%	<b>Average</b>							
												33.16	25	42					

5	500	120	5120	480	480	480	480	480	2400	2400	100.00%	23	32	27	23	22	25.40	22	32
5	500	120	5120	480	480	480	480	480	2400	2400	100.00%	24	21	24	22	25	23.20	21	25
5	500	120	5120	480	480	480	480	480	2400	2400	100.00%	26	31	24	22	24	25.40	22	31
5	500	120	5120	480	480	480	480	480	2400	2400	100.00%	22	22	22	22	19	21.40	19	22
5	500	120	5120	480	480	480	480	480	2400	2400	100.00%	35	21	23	32	29	28.00	21	35
				<b>Total</b>					12000	12000	100.00%	<b>Average</b>							
												24.68	19	35					

5	200	300	5120	1173	1194	1172	1184	1172	6000	5895	98.25%	52	26	50	54	45	45.40	26	54
5	200	300	5120	1195	1193	1198	1195	1195	6000	5976	99.60%	23	26	29	24	25	25.40	23	29
5	200	300	5120	1198	199	1198	1198	1199	6000	4992	83.20%	27	26	25	27	22	25.40	22	27
5	200	300	5120	1186	1183	1186	1170	1186	6000	5911	98.52%	34	30	30	49	29	34.40	29	49
5	200	300	5120	1197	1197	1197	1197	1194	6000	5982	99.70%	29	28	25	27	28	27.40	25	29
				<b>Total</b>					30000	28756	95.85%	<b>Average</b>							
												31.60	22	54					

5	100	600	5120	2365	2366	2366	2353	2353	12000	11803	98.36%	30	21	24	29	26	26.00	21	30
5	100	600	5120	2380	2364	2366	2359	2376	12000	11845	98.71%	11	24	24	22	28	21.80	11	28
5	100	600	5120	2395	2392	2396	2396	2397	12000	11976	99.80%	16	18	16	17	17	16.80	16	18
5	100	600	5120	2353	2339	2336	2334	2339	12000	11701	97.51%	28	38	30	33	29	31.60	28	38
5	100	600	5120	2374	2378	2391	2382	2391	12000	11916	99.30%	25	23	18	24	19	21.80	18	25
				<b>Total</b>					60000	59241	98.74%	<b>Average</b>							
												23.60	11	38					

response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing (ms)							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	50	1200	5120	4744	4644	4729	4715	4719	24000	23551	98.13%	24	35	26	20	23	25.60	20	35
5	50	1200	5120	4702	4708	4720	4725	4734	24000	23589	98.29%	27	30	27	28	29	28.20	27	30
5	50	1200	5120	4643	4684	4673	4646	4651	24000	23297	97.07%	30	34	31	29	32	31.20	29	34
5	50	1200	5120	4752	4781	4737	4737	4773	24000	23780	99.08%	24	26	25	28	24	25.40	24	28
5	50	1200	5120	4702	4693	4737	4733	4711	24000	23576	98.23%	27	29	28	28	27	27.80	27	29
				<b>Total</b>					120000	117793	98.16%	<b>Average</b>					27.64	20	35

5	20	3000	5120	7216	8377	7381	8867	8331	60000	40172	66.95%	112	95	107	88	94	99.20	88	112
5	20	3000	5120	6988	8691	8340	8229	8718	60000	40966	68.28%	110	88	88	91	91	93.60	88	110
5	20	3000	5120	8763	8414	7149	7403	8709	60000	40438	67.40%	96	99	109	109	93	101.20	93	109
5	20	3000	5120	8452	8670	8243	7070	8311	60000	40746	67.91%	93	86	92	105	88	92.80	86	105
5	20	3000	5120	8703	8958	7288	8910	9009	60000	42868	71.45%	89	84	109	89	85	91.20	84	109
				<b>Total</b>					300000	205190	68.40%	<b>Average</b>					95.60	84	112

5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	39	41	40	43	41	40.80	39	43
5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	39	43	45	43	47	43.40	39	47
5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	40	42	41	44	44	42.20	40	44
5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	46	36	45	46	47	44.00	36	47
5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	41	46	43	45	43	43.60	41	46
				<b>Total</b>					6000	6000	100.00%	<b>Average</b>					42.80	36	47

5	500	120	10240	478	479	475	478	478	2400	2388	99.50%	33	29	49	33	34	35.60	29	49
5	500	120	10240	479	479	479	480	479	2400	2396	99.83%	33	34	27	35	31	32.00	27	35
5	500	120	10240	480	480	480	480	480	2400	2400	100.00%	39	33	37	34	33	35.20	33	39
5	500	120	10240	479	479	479	479	480	2400	2396	99.83%	40	38	39	40	39	39.20	38	40
5	500	120	10240	480	480	480	480	480	2400	2400	100.00%	33	35	33	34	33	33.60	33	35
				<b>Total</b>					12000	11980	99.83%	<b>Average</b>					35.12	27	49

5	200	300	10240	1184	1187	1186	1186	1188	6000	5931	98.85%	33	32	34	37	35	34.20	32	37
5	200	300	10240	1176	1182	1178	1179	1186	6000	5901	98.35%	37	37	35	36	47	38.40	35	47
5	200	300	10240	1199	1198	1200	1199	1196	6000	5992	99.87%	26	26	26	26	28	26.40	26	28
5	200	300	10240	1185	1186	1194	1187	1187	6000	5939	98.98%	34	30	41	35	40	36.00	30	41
5	200	300	10240	1190	1189	1190	1189	1190	6000	5948	99.13%	29	31	32	31	31	30.80	29	32
				<b>Total</b>					30000	29711	99.04%	<b>Average</b>					33.16	26	47

response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	100	600	10240	2323	2346	2331	2358	2321	12000	11679	97.33%	33	37	33	36	30	33.80	30	37
5	100	600	10240	2379	2368	2344	2375	2344	12000	11810	98.42%	26	30	38	27	37	31.60	26	38
5	100	600	10240	2394	2391	2392	2397	2394	12000	11968	99.73%	24	25	24	24	24	24.20	24	25
5	100	600	10240	2318	2346	2331	2336	2340	12000	11671	97.26%	31	33	33	41	33	34.20	31	41
5	100	600	10240	2368	2371	2365	2363	2384	12000	11851	98.76%	27	29	28	28	28	28.00	27	29
				<b>Total</b>					60000	58979	98.30%	<b>Average</b>							
												30.36					24		41

5	50	1200	10240	4353	4302	4416	4320	4372	24000	21763	90.68%	44	55	43	48	39	45.80	39	55
5	50	1200	10240	4509	4508	4568	4552	4482	24000	22619	94.25%	37	35	35	33	42	36.40	33	42
5	50	1200	10240	4457	4558	4440	4458	4431	24000	22344	93.10%	42	40	37	43	51	42.60	37	51
5	50	1200	10240	4634	4574	4624	4597	4583	24000	23012	95.88%	33	35	35	31	34	33.60	31	35
5	50	1200	10240	4492	4500	4462	1671	4492	24000	19617	81.74%	39	35	41	34	37	37.20	34	41
				<b>Total</b>					120000	109355	91.13%	<b>Average</b>							
												39.12					31		55

5	20	3000	10240	10132	9458	10221	10248	10114	60000	50173	83.62%	56	65	59	55	55	58.00	55	65
5	20	3000	10240	10278	9066	9961	9821	10091	60000	49217	82.03%	55	67	62	62	57	60.60	55	67
5	20	3000	10240	10390	8930	9869	10263	10353	60000	49805	83.01%	56	75	62	55	55	60.60	55	75
5	20	3000	10240	10213	8404	10168	10294	10074	60000	49153	81.92%	57	69	55	53	55	57.80	53	69
5	20	3000	10240	10367	8244	10028	9928	10251	60000	48818	81.36%	55	71	54	57	54	58.20	54	71
				<b>Total</b>					300000	247166	82.39%	<b>Average</b>							
												59.04					53		75

5	10	6000	10240	15105	11298	15200	15217	15044	120000	71864	59.89%	85	96	83	81	86	86.20	81	96
5	10	6000	10240	15381	10681	15712	15630	15534	120000	72938	60.78%	85	97	78	78	78	83.20	78	97
5	10	6000	10240	15668	9763	15772	16044	15631	120000	72878	60.73%	79	105	76	78	77	83.00	76	105
5	10	6000	10240	15949	10154	15807	15809	15569	120000	73288	61.07%	77	101	81	77	81	83.40	77	101
5	10	6000	10240	15808	9000	15789	15735	15837	120000	72169	60.14%	79	110	78	80	81	85.60	78	110
				<b>Total</b>					600000	363137	60.52%	<b>Average</b>							
												84.28					76		110

5	1000	60	25600	240	240	240	239	240	1200	1199	99.92%	42	54	45	47	50	47.60	42	54
5	1000	60	25600	240	240	240	240	240	1200	1200	100.00%	45	48	45	47	48	46.60	45	48
5	1000	60	25600	240	239	240	240	240	1200	1199	99.92%	58	52	55	72	55	58.40	52	72
5	1000	60	25600	240	240	240	240	237	1200	1197	99.75%	59	59	69	63	44	58.80	44	69
5	1000	60	25600	238	238	238	239	239	1200	1192	99.33%	78	65	64	69	62	67.60	62	78
				<b>Total</b>					6000	5987	99.78%	<b>Average</b>							
												55.80					42		78



response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	500	120	25600	468	468	475	470	471	2400	2352	98.00%	60	51	51	72	59	58.60	51	72
5	500	120	25600	472	469	476	473	472	2400	2362	98.42%	58	54	68	59	58	59.40	54	68
5	500	120	25600	470	470	471	475	470	2400	2356	98.17%	82	81	89	47	86	77.00	47	89
5	500	120	25600	472	475	474	477	473	2400	2371	98.79%	56	48	53	60	55	54.40	48	60
5	500	120	25600	477	477	476	476	478	2400	2384	99.33%	44	49	43	45	48	45.80	43	49
				<b>Total</b>					12000	11825	98.54%	<b>Average</b>							
												59.04					43		89

5	200	300	25600	1163	1162	1154	1182	1177	6000	5838	97.30%	58	53	52	41	57	52.20	41	58
5	200	300	25600	1173	1171	1187	1175	1181	6000	5887	98.12%	43	43	35	41	41	40.60	35	43
5	200	300	25600	1191	1190	1190	1191	1188	6000	5950	99.17%	35	38	37	36	35	36.20	35	38
5	200	300	25600	1139	1170	1136	1153	1149	6000	5747	95.78%	57	48	67	44	42	51.60	42	67
5	200	300	25600	1192	1198	1191	1191	1190	6000	5962	99.37%	38	35	35	33	35	35.20	33	38
				<b>Total</b>					30000	29384	97.95%	<b>Average</b>							
												43.16					33		67

5	100	600	25600	2252	2249	2244	2275	2237	12000	11257	93.81%	48	48	53	54	42	49.00	42	54
5	100	600	25600	2291	2239	2352	2351	2292	12000	11525	96.04%	45	54	41	44	41	45.00	41	54
5	100	600	25600	2269	2224	2268	2311	2255	12000	11327	94.39%	46	50	46	47	48	47.40	46	50
5	100	600	25600	2203	2217	2217	2274	2221	12000	11132	92.77%	51	55	51	48	59	52.80	48	59
5	100	600	25600	2215	2227	2224	2269	2275	12000	11210	93.42%	55	51	49	47	55	51.40	47	55
				<b>Total</b>					60000	56451	94.09%	<b>Average</b>							
												49.12					41		59

5	50	1200	25600	4341	3728	4122	4200	4268	24000	20659	86.08%	57	78	65	63	56	63.80	56	78
5	50	1200	25600	4181	3716	4195	4267	4183	24000	20542	85.59%	60	72	60	56	65	62.60	56	72
5	50	1200	25600	3987	3656	4176	4084	4008	24000	19911	82.96%	72	79	62	62	68	68.60	62	79
5	50	1200	25600	4101	3479	4129	4157	4185	24000	20051	83.55%	65	80	63	63	57	65.60	57	80
5	50	1200	25600	4006	3227	4111	4113	4077	24000	19534	81.39%	79	93	62	62	62	71.60	62	93
				<b>Total</b>					120000	100697	83.91%	<b>Average</b>							
												66.44					56		93

5	20	3000	25600	8114	6092	8066	7969	8341	60000	38582	64.30%	79	105	77	84	78	84.60	77	105
5	20	3000	25600	8215	5733	8356	8433	8360	60000	39097	65.16%	79	104	77	79	82	84.20	77	104
5	20	3000	25600	8246	5866	8276	8452	8473	60000	39313	65.52%	81	101	76	79	76	82.60	76	101
5	20	3000	25600	8211	5918	8566	8150	8547	60000	39392	65.65%	79	110	76	83	78	85.20	76	110
5	20	3000	25600	8550	5905	8303	8589	8422	60000	39769	66.28%	77	99	77	78	79	82.00	77	99
				<b>Total</b>					300000	196153	65.38%	<b>Average</b>							
												83.72					76		110

response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	1000	60	51200	235	232	234	235	237	1200	1173	97.75%	69	74	65	68	65	68.20	65	74
5	1000	60	51200	237	229	234	236	236	1200	1172	97.67%	66	72	71	78	73	72.00	66	78
5	1000	60	51200	232	234	224	232	232	1200	1154	96.17%	75	74	77	81	76	76.60	74	81
5	1000	60	51200	235	230	236	233	232	1200	1166	97.17%	76	88	97	95	85	88.20	76	97
5	1000	60	51200	235	234	235	229	235	1200	1168	97.33%	81	74	86	80	86	81.40	74	86
				<b>Total</b>					6000	5833	97.22%	<b>Average</b>					77.28	65	97

5	500	120	51200	457	452	457	469	456	2400	2291	95.46%	92	80	85	63	83	80.60	63	92
5	500	120	51200	471	469	468	471	469	2400	2348	97.83%	54	67	69	56	62	61.60	54	69
5	500	120	51200	470	472	473	477	472	2400	2364	98.50%	49	56	55	68	61	57.80	49	68
5	500	120	51200	456	462	455	471	460	2400	2304	96.00%	87	57	87	72	76	75.80	57	87
5	500	120	51200	474	473	474	474	472	2400	2367	98.63%	50	63	53	57	56	55.80	50	63
				<b>Total</b>					12000	11674	97.28%	<b>Average</b>					66.32	49	92

5	200	300	51200	1105	1078	1104	1116	1097	6000	5500	91.67%	70	85	88	80	61	76.80	61	88
5	200	300	51200	1116	1098	1107	1133	1109	6000	5563	92.72%	72	86	67	70	73	73.60	67	86
5	200	300	51200	1068	1038	1074	1086	1080	6000	5346	89.10%	79	103	79	81	62	80.80	62	103
5	200	300	51200	1102	1120	1116	1109	1153	6000	5600	93.33%	77	77	60	71	72	71.40	60	77
5	200	300	51200	1130	1144	1137	1129	1149	6000	5689	94.82%	60	76	67	66	69	67.60	60	76
				<b>Total</b>					30000	27698	92.33%	<b>Average</b>					74.04	60	103

5	100	600	51200	1898	1721	1968	2025	1927	12000	9539	79.49%	88	101	89	89	84	90.20	84	101
5	100	600	51200	1954	1683	2029	2052	2082	12000	9800	81.67%	93	109	78	76	82	87.60	76	109
5	100	600	51200	1950	1769	1969	1997	1962	12000	9647	80.39%	91	103	88	81	85	89.60	81	103
5	100	600	51200	2046	1660	2008	1977	2016	12000	9707	80.89%	77	106	94	78	80	87.00	77	106
5	100	600	51200	2049	1748	2017	2071	2014	12000	9899	82.49%	71	98	83	77	83	82.40	71	98
				<b>Total</b>					60000	48592	80.99%	<b>Average</b>					87.36	71	109

5	50	1200	51200	3255	2562	3240	3295	3252	24000	15604	65.02%	92	128	106	100	100	105.20	92	128
5	50	1200	51200	3332	2421	3314	3336	3350	24000	15753	65.64%	91	118	91	93	99	98.40	91	118
5	50	1200	51200	3382	2479	3362	3352	3326	24000	15901	66.25%	90	116	96	95	94	98.20	90	116
5	50	1200	51200	3395	2413	3360	3432	3361	24000	15961	66.50%	90	130	93	94	87	98.80	87	130
5	50	1200	51200	3260	2481	3305	3354	3238	24000	15638	65.16%	103	119	101	97	93	102.60	93	119
				<b>Total</b>					120000	78857	65.71%	<b>Average</b>					100.64	87	130

Response time without server notification

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	33	36	30	33	28	32.00	28	36
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	24	33	31	30	28	29.20	24	33
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	32	25	39	36	37	33.80	25	39
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	29	30	34	25	38	31.20	25	38
5	1000	60	1024	240	240	240	240	240	1200	1200	100.00%	33	33	31	35	26	31.60	26	35
				<b>Total</b>					6000	6000	100.00%	<b>Average</b>					31.56	24	39

5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	18	22	20	20	24	20.80	18	24
5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	19	20	20	22	21	20.40	19	22
5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	45	120	56	50	45	63.20	45	120
5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	20	24	21	20	23	21.60	20	24
5	500	120	1024	480	480	480	480	480	2400	2400	100.00%	19	22	22	25	17	21.00	17	25
				<b>Total</b>					12000	12000	100.00%	<b>Average</b>					29.40	17	120

5	200	300	1024	1200	1200	1200	1200	1200	6000	6000	100.00%	17	17	17	18	16	17.00	16	18
5	200	300	1024	1200	1200	1200	1200	1200	6000	6000	100.00%	19	17	24	20	18	19.60	17	24
5	200	300	1024	1200	1200	1200	1200	1200	6000	6000	100.00%	16	18	17	17	16	16.80	16	18
5	200	300	1024	1200	1200	1200	1200	1200	6000	6000	100.00%	20	18	17	19	20	18.80	17	20
5	200	300	1024	1200	1200	1200	1200	1200	6000	6000	100.00%	16	18	17	18	18	17.40	16	18
				<b>Total</b>					30000	30000	100.00%	<b>Average</b>					17.92	16	24

5	100	600	1024	2383	2388	2386	2387	2390	12000	11934	99.45%	34	24	24	24	32	27.60	24	34
5	100	600	1024	2389	2390	2390	2389	2390	12000	11948	99.57%	28	67	26	30	25	35.20	25	67
5	100	600	1024	2376	2366	2373	2370	2364	12000	11849	98.74%	55	38	30	31	38	38.40	30	55
5	100	600	1024	2398	2391	2395	2398	2398	12000	11980	99.83%	19	21	22	20	18	20.00	18	22
5	100	600	1024	2394	2389	2393	2383	2381	12000	11940	99.50%	24	29	24	38	31	29.20	24	38
				<b>Total</b>					60000	59651	99.42%	<b>Average</b>					30.08	18	67

5	50	1200	1024	4785	4787	4780	4777	4790	24000	23919	99.66%	28	30	30	31	28	29.40	28	31
5	50	1200	1024	4748	4759	4753	4747	4750	24000	23757	98.99%	32	29	33	32	37	32.60	29	37
5	50	1200	1024	4708	4702	4714	4760	4710	24000	23594	98.31%	35	35	34	48	37	37.80	34	48
5	50	1200	1024	4766	4741	4771	4763	4772	24000	23813	99.22%	29	29	27	28	28	28.20	27	29
5	50	1200	1024	4778	4756	4779	4779	4755	24000	23847	99.36%	28	32	27	28	34	29.80	27	34
				<b>Total</b>					120000	118930	99.11%	<b>Average</b>					31.56	27	48

response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	20	3000	1024	7407	7364	7331	7235	7215	60000	36552	60.92%	238	202	207	200	206	210.60	200	238
5	20	3000	1024	7194	7224	7298	7302	7128	60000	36146	60.24%	217	226	220	221	215	219.80	215	226
5	20	3000	1024	7315	7218	7210	7137	7298	60000	36178	60.30%	210	211	194	202	223	208.00	194	223
5	20	3000	1024	7111	7325	7356	7234	7329	60000	36355	60.59%	215	218	215	199	211	211.60	199	218
5	20	3000	1024	7359	7360	7008	7127	7523	60000	36377	60.63%	225	234	214	206	221	220.00	206	234
				<b>Total</b>					300000	181608	60.54%	<b>Average</b>					214.00	194	238

5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	30	26	36	34	31	31.40	26	36
5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	31	30	33	30	35	31.80	30	35
5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	35	39	32	35	47	37.60	32	47
5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	32	32	34	28	32	31.60	28	34
5	1000	60	5120	240	240	240	240	240	1200	1200	100.00%	34	28	34	30	34	32.00	28	34
				<b>Total</b>					6000	6000	100.00%	<b>Average</b>					32.88	26	47

5	500	120	5120	480	480	480	480	480	2400	2400	100.00%	25	27	28	26	27	26.60	25	28
5	500	120	5120	480	480	480	480	480	2400	2400	100.00%	20	24	25	25	25	23.80	20	25
5	500	120	5120	480	479	480	480	480	2400	2399	99.96%	25	37	29	27	25	28.60	25	37
5	500	120	5120	480	480	479	480	480	2400	2399	99.96%	27	28	28	36	38	31.40	27	38
5	500	120	5120	480	480	480	480	480	2400	2400	100.00%	21	21	21	21	25	21.80	21	25
				<b>Total</b>					12000	11998	99.98%	<b>Average</b>					26.44	20	38

5	200	300	5120	1191	1181	1193	1191	1192	6000	5948	99.13%	24	37	28	24	26	27.80	24	37
5	200	300	5120	1196	1188	1185	1185	1186	6000	5940	99.00%	33	29	42	36	38	35.60	29	42
5	200	300	5120	1200	1200	1199	1197	1199	6000	5995	99.92%	21	21	21	22	23	21.60	21	23
5	200	300	5120	1198	1196	1198	1199	1199	6000	5990	99.83%	21	25	21	26	22	23.00	21	26
5	200	300	5120	1199	1199	1198	1195	1197	6000	5988	99.80%	28	23	24	27	27	25.80	23	28
				<b>Total</b>					30000	29861	99.54%	<b>Average</b>					26.76	21	42

Parameters				Messages received on node					Total messages			Timing							
Nodes	Interval	Message count	Message size	#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	100	600	5120	2384	2385	2386	2388	2385	12000	11928	99.40%	20	17	17	17	18	17.80	17	20
5	100	600	5120	2385	2384	2395	2385	2384	12000	11933	99.44%	19	17	17	20	18	18.20	17	20
5	100	600	5120	2365	2370	2365	2385	2367	12000	11852	98.77%	21	24	24	17	24	22.00	17	24
5	100	600	5120	2351	2353	2359	2358	2353	12000	11774	98.12%	22	22	33	22	23	24.40	22	33
5	100	600	5120	2400	2400	2400	2400	2400	12000	12000	100.00%	15	15	16	15	15	15.20	15	16
				<b>Total</b>					60000	59487	99.15%	<b>Average</b>					19.52	15	33

response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing									
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max		
5	50	1200	5120	4680	4667	4678	4716	4660	24000	23401	97.50%	29	30	30	26	31	29.20	26	31		
5	50	1200	5120	4730	4709	4738	4728	4743	24000	23648	98.53%	27	29	26	26	26	26.80	26	29		
5	50	1200	5120	4734	4742	4704	4725	4736	24000	23641	98.50%	26	28	28	27	26	27.00	26	28		
5	50	1200	5120	4702	4651	4698	4655	4673	24000	23379	97.41%	31	31	27	31	31	30.20	27	31		
5	50	1200	5120	4587	4587	4656	4645	4631	24000	23106	96.28%	32	33	30	32	31	31.60	30	33		
				<b>Total</b>					120000	117175	97.65%	<b>Average</b>							28.96	26	33

5	20	3000	5120	7338	8640	7087	7472	7163	60000	37700	62.83%	146	99	152	145	148	138.00	99	152		
5	20	3000	5120	7188	7722	7620	7681	7406	60000	37617	62.70%	128	120	119	121	123	122.20	119	128		
5	20	3000	5120	6920	6585	7370	8999	8145	60000	38019	63.37%	114	116	105	86	103	104.80	86	116		
5	20	3000	5120	7174	7019	8800	8742	7196	60000	38931	64.89%	124	124	93	106	125	114.40	93	125		
5	20	3000	5120	7248	6939	7254	8188	7270	60000	36899	61.50%	140	148	145	109	143	137.00	109	148		
				<b>Total</b>					300000	189166	63.06%	<b>Average</b>							123.28	86	152

5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	44	44	41	40	41	42.00	40	44		
5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	39	41	40	41	45	41.20	39	45		
5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	44	40	37	36	42	39.80	36	44		
5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	41	39	35	39	37	38.20	35	41		
5	1000	60	10240	240	240	240	240	240	1200	1200	100.00%	38	36	37	39	31	36.20	31	39		
				<b>Total</b>					6000	6000	100.00%	<b>Average</b>							39.48	31	45

5	500	120	10240	477	478	477	477	477	2400	2386	99.42%	36	36	53	35	41	40.20	35	53		
5	500	120	10240	480	480	480	480	480	2400	2400	100.00%	24	24	24	23	24	23.80	23	24		
5	500	120	10240	480	479	480	480	479	2400	2398	99.92%	43	37	36	36	38	38.00	36	43		
5	500	120	10240	480	480	480	480	480	2400	2400	100.00%	32	34	34	33	35	33.60	32	35		
5	500	120	10240	480	480	479	480	480	2400	2399	99.96%	39	34	37	37	36	36.60	34	39		
				<b>Total</b>					12000	11983	99.86%	<b>Average</b>							34.44	23	53

5	200	300	10240	1198	1198	1196	1198	1197	6000	5987	99.78%	27	26	27	25	26	26.20	25	27		
5	200	300	10240	1187	1187	1187	1195	1187	6000	5943	99.05%	28	28	30	32	36	30.80	28	36		
5	200	300	10240	1198	1198	1199	1199	1199	6000	5993	99.88%	25	26	25	24	26	25.20	24	26		
5	200	300	10240	1192	1192	1186	1191	1190	6000	5951	99.18%	24	29	31	31	28	28.60	24	31		
5	200	300	10240	1196	1189	1190	1188	1185	6000	5948	99.13%	39	33	29	32	27	32.00	27	39		
				<b>Total</b>					30000	29822	99.41%	<b>Average</b>							28.56	24	39

response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	100	600	10240	2357	2354	2352	2358	2364	12000	11785	98.21%	29	30	28	28	30	29.00	28	30
5	100	600	10240	2377	2380	2376	2391	2377	12000	11901	99.18%	26	26	26	25	24	25.40	24	26
5	100	600	10240	2375	2382	2375	2379	2383	12000	11894	99.12%	26	26	24	26	25	25.40	24	26
5	100	600	10240	2355	2306	2324	2313	2319	12000	11617	96.81%	33	39	34	37	35	35.60	33	39
5	100	600	10240	2381	2380	2382	2380	2389	12000	11912	99.27%	26	26	32	27	30	28.20	26	32
				<b>Total</b>					60000	59109	98.52%	<b>Average</b>							
												28.72	24	39					

5	50	1200	10240	4527	4379	4478	4539	4439	24000	22362	93.18%	36	44	40	36	40	39.20	36	44
5	50	1200	10240	4372	4362	4409	4389	4377	24000	21909	91.29%	42	45	47	42	42	43.60	42	47
5	50	1200	10240	4407	4427	4505	4367	4481	24000	22187	92.45%	45	33	42	49	42	42.20	33	49
5	50	1200	10240	4519	4329	4530	4683	4616	24000	22677	94.49%	37	37	36	32	33	35.00	32	37
5	50	1200	10240	4555	4439	4578	4567	4581	24000	22720	94.67%	37	42	35	33	34	36.20	33	42
				<b>Total</b>					120000	111855	93.21%	<b>Average</b>							
												39.24	32	49					

5	20	3000	10240	9790	8845	9795	9926	9854	60000	48210	80.35%	60	72	57	61	56	61.20	56	72
5	20	3000	10240	10474	9297	10191	10151	10029	60000	50142	83.57%	51	63	57	58	54	56.60	51	63
5	20	3000	10240	9938	8839	9622	9866	10115	60000	48380	80.63%	58	68	61	61	56	60.80	56	68
5	20	3000	10240	10283	8240	10229	10361	10320	60000	49433	82.39%	52	67	52	51	52	54.80	51	67
5	20	3000	10240	9846	8541	10147	10284	9888	60000	48706	81.18%	62	71	51	55	58	59.40	51	71
				<b>Total</b>					300000	244871	81.62%	<b>Average</b>							
												58.56	51	72					

5	10	6000	10240	15492	9788	15690	15462	15788	120000	72220	60.18%	77	100	76	78	76	81.40	76	100
5	10	6000	10240	15188	9098	15432	15424	15602	120000	70744	58.95%	78	106	80	77	80	84.20	77	106
5	10	6000	10240	15407	9783	15523	15691	15326	120000	71730	59.78%	78	99	80	78	79	82.80	78	99
5	10	6000	10240	15296	9361	15360	15382	15287	120000	70686	58.91%	79	102	80	82	80	84.60	79	102
5	10	6000	10240	15127	9883	15549	15180	15286	120000	71025	59.19%	80	97	78	84	77	83.20	77	97
				<b>Total</b>					600000	356405	59.40%	<b>Average</b>							
												83.24	76	106					

5	1000	60	25600	240	240	240	240	240	1200	1200	100.00%	43	55	69	57	55	55.80	43	69
5	1000	60	25600	240	240	240	240	240	1200	1200	100.00%	58	67	53	52	55	57.00	52	67
5	1000	60	25600	239	240	240	239	239	1200	1197	99.75%	53	61	50	54	59	55.40	50	61
5	1000	60	25600	240	240	240	240	240	1200	1200	100.00%	60	51	56	60	62	57.80	51	62
5	1000	60	25600	240	240	240	237	240	1200	1197	99.75%	63	62	50	49	68	58.40	49	68
				<b>Total</b>					6000	5994	99.90%	<b>Average</b>							
												56.88	43	69					

response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	500	120	25600	478	479	479	478	479	2400	2393	99.71%	47	39	37	32	37	38.40	32	47
5	500	120	25600	474	475	476	476	476	2400	2377	99.04%	48	51	47	55	50	50.20	47	55
5	500	120	25600	478	479	478	479	478	2400	2392	99.67%	41	46	42	44	42	43.00	41	46
5	500	120	25600	475	474	475	477	472	2400	2373	98.88%	50	46	46	48	49	47.80	46	50
5	500	120	25600	477	476	476	478	477	2400	2384	99.33%	48	37	39	45	45	42.80	37	48
				<b>Total</b>					12000	11919	99.33%	<b>Average</b>							
												44.44					32		55

5	200	300	25600	1185	1176	1177	1175	1187	6000	5900	98.33%	39	42	37	37	43	39.60	37	43
5	200	300	25600	1196	1195	1197	1195	1196	6000	5979	99.65%	35	36	33	33	34	34.20	33	36
5	200	300	25600	1182	1183	1183	1188	1191	6000	5927	98.78%	38	38	38	39	37	38.00	37	39
5	200	300	25600	1189	1186	1181	1179	1180	6000	5915	98.58%	34	44	36	36	40	38.00	34	44
5	200	300	25600	1193	1194	1199	1194	1194	6000	5974	99.57%	34	36	35	34	34	34.60	34	36
				<b>Total</b>					30000	29695	98.98%	<b>Average</b>							
												36.88					33		44

5	100	600	25600	2296	2248	2283	2281	2296	12000	11404	95.03%	42	52	48	47	50	47.80	42	52
5	100	600	25600	2202	2125	2177	2253	2177	12000	10934	91.12%	46	63	62	53	49	54.60	46	63
5	100	600	25600	2204	2236	2233	2259	2213	12000	11145	92.88%	50	54	56	50	52	52.40	50	56
5	100	600	25600	2172	2119	2172	2156	2184	12000	10803	90.03%	57	57	56	69	59	59.60	56	69
5	100	600	25600	2150	2155	2190	2226	2153	12000	10874	90.62%	51	65	54	58	58	57.20	51	65
				<b>Total</b>					60000	55160	91.93%	<b>Average</b>							
												54.32					42		69

5	50	1200	25600	3934	3514	3979	3683	3866	24000	18976	79.07%	64	75	61	85	64	69.80	61	85
5	50	1200	25600	4047	3431	4014	4161	4136	24000	19789	82.45%	68	88	72	60	57	69.00	57	88
5	50	1200	25600	4029	3517	4268	4218	4244	24000	20276	84.48%	63	77	62	63	58	64.60	58	77
5	50	1200	25600	4106	3269	4160	4055	4117	24000	19707	82.11%	60	83	61	65	69	67.60	60	83
5	50	1200	25600	4288	3766	4242	4245	4238	24000	20779	86.58%	57	69	59	60	57	60.40	57	69
				<b>Total</b>					120000	99527	82.94%	<b>Average</b>							
												66.28					57		88

5	20	3000	25600	8422	5535	7964	8196	8390	60000	38507	64.18%	78	119	83	83	78	88.20	78	119
5	20	3000	25600	8133	5636	7989	8170	8162	60000	38090	63.48%	80	104	82	82	80	85.60	80	104
5	20	3000	25600	9122	6106	8238	8136	8094	60000	39696	66.16%	80	98	80	83	79	84.00	79	98
5	20	3000	25600	8202	5533	8164	8315	8454	60000	38668	64.45%	78	106	79	77	73	82.60	73	106
5	20	3000	25600	8149	5714	8357	8165	7898	60000	38283	63.81%	80	107	77	82	83	85.80	77	107
				<b>Total</b>					300000	193244	64.41%	<b>Average</b>							
												85.24					73		119

response

Nodes	Interval	Message count	Message size	Messages received on node					Total messages			Timing							
				#0	#1	#2	#3	#4	Sent	Received	Percentage	#0	#1	#2	#3	#4	average	min	max
5	1000	60	51200	237	229	233	235	235	1200	1169	97.42%	70	68	79	66	68	70.20	66	79
5	1000	60	51200	233	238	233	232	235	1200	1171	97.58%	66	69	64	65	71	67.00	64	71
5	1000	60	51200	237	234	234	234	237	1200	1176	98.00%	85	78	73	80	79	79.00	73	85
5	1000	60	51200	237	234	233	237	233	1200	1174	97.83%	79	80	73	78	70	76.00	70	80
5	1000	60	51200	236	233	240	239	235	1200	1183	98.58%	69	54	69	78	63	66.60	54	78
				<b>Total</b>					6000	5873	97.88%	<b>Average</b>					71.76	54	85

5	500	120	51200	467	464	464	467	463	2400	2325	96.88%	75	70	60	83	70	71.60	60	83
5	500	120	51200	469	474	474	471	471	2400	2359	98.29%	56	60	56	60	57	57.80	56	60
5	500	120	51200	472	479	479	477	478	2400	2385	99.38%	54	56	49	56	56	54.20	49	56
5	500	120	51200	460	466	462	467	465	2400	2320	96.67%	61	60	78	87	62	69.60	60	87
5	500	120	51200	459	458	460	473	461	2400	2311	96.29%	73	71	74	68	80	73.20	68	80
				<b>Total</b>					12000	11700	97.50%	<b>Average</b>					65.28	49	87

5	200	300	51200	1117	1091	1132	1140	1134	6000	5614	93.57%	74	81	60	74	62	70.20	60	81
5	200	300	51200	1078	1086	1103	1125	1099	6000	5491	91.52%	78	95	75	69	62	75.80	62	95
5	200	300	51200	1142	1115	1140	1128	1114	6000	5639	93.98%	54	78	75	70	60	67.40	54	78
5	200	300	51200	1152	1145	1138	1161	1145	6000	5741	95.68%	57	69	57	69	55	61.40	55	69
5	200	300	51200	1108	999	1101	1101	1101	6000	5410	90.17%	69	96	79	81	69	78.80	69	96
				<b>Total</b>					30000	27895	92.98%	<b>Average</b>					70.72	54	96

5	100	600	51200	2027	1812	2008	1939	1995	12000	9781	81.51%	79	99	86	82	92	87.60	79	99
5	100	600	51200	1939	1709	1972	1971	2002	12000	9593	79.94%	82	107	77	86	81	86.60	77	107
5	100	600	51200	1962	1568	2002	2038	2018	12000	9588	79.90%	80	141	81	84	81	93.40	80	141
5	100	600	51200	1974	1728	2001	1955	1950	12000	9608	80.07%	77	104	89	79	94	88.60	77	104
5	100	600	51200	2011	1810	1952	2054	2016	12000	9843	82.03%	82	92	80	85	83	84.40	80	92
				<b>Total</b>					60000	48413	80.69%	<b>Average</b>					88.12	77	141

5	50	1200	51200	3355	2520	3332	3164	3318	24000	15689	65.37%	98	115	94	100	94	100.20	94	115
5	50	1200	51200	3273	2538	3308	3404	3360	24000	15883	66.18%	96	116	89	96	104	100.20	89	116
5	50	1200	51200	3278	2459	3362	3382	3396	24000	15877	66.15%	94	125	88	90	96	98.60	88	125
5	50	1200	51200	3269	2387	3281	3282	3323	24000	15542	64.76%	99	125	94	93	98	101.80	93	125
5	50	1200	51200	3261	2432	3285	3427	3275	24000	15680	65.33%	88	131	101	91	99	102.00	88	131
				<b>Total</b>					120000	78671	65.56%	<b>Average</b>					100.56	88	131