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CSS 432

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HW1 Performance Analysis

**Type 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *nbufs \* bufsize* | 15 \* 100 | 30 \* 50 | 60 \* 25 | 100 \* 15 |
| *avg send* | 151464 | 349813 | 605843 | 1268295 |
| *avg receive* | 188983 | 814194 | 605761 | 1268247 |
| *avg total* | 189152 | 349899 | 605924 | 1268352 |
| *avg reads* | 2878 | 62166 | 129841 | 242369 |

**Type 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *nbufs \* bufsize* | 15 \* 100 | 30 \* 50 | 60 \* 25 | 100 \* 15 |
| *avg send* | 34404 | 42878 | 63880 | 101213 |
| *avg receive* | 34095 | 42815 | 88487 | 138711 |
| *avg total* | 34272 | 43003 | 88689 | 138847 |
| *avg reads* | 0 | 0 | 0 | 0 |

**Type 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *nbufs \* bufsize* | 15 \* 100 | 30 \* 50 | 60 \* 25 | 100 \* 15 |
| *avg send* | 20223 | 20334 | 20200 | 24679 |
| *avg receive* | 20202 | 20307 | 20169 | 24660 |
| *avg total* | 20384 | 20487 | 20354 | 24811 |
| *avg reads* | 0 | 0 | 0 | 0 |

**Sample outputs (Results for Types 1 – 3 with nbuf = 15 && bufsize = 100)**

Client’s output

mkim418@uw1-320-13:~/HW1$ ./client 73425 20000 15 100 uw1-320-13 1

Test: 1, Data sending time: 141703 usec; Total time: 180843 usec; Reads: 2624

mkim418@uw1-320-13:~/HW1$ ./client 73425 20000 15 100 uw1-320-13 1

Test: 1, Data sending time: 169312 usec; Total time: 205289 usec; Reads: 3311

mkim418@uw1-320-13:~/HW1$ ./client 73425 20000 15 100 uw1-320-13 1

Test: 1, Data sending time: 143377 usec; Total time: 181324 usec; Reads: 2698

mkim418@uw1-320-13:~/HW1$ ./client 73425 20000 15 100 uw1-320-13 2

Test: 2, Data sending time: 33993 usec; Total time: 34110 usec; Reads: 0

mkim418@uw1-320-13:~/HW1$ ./client 73425 20000 15 100 uw1-320-13 2

Test: 2, Data sending time: 34400 usec; Total time: 34525 usec; Reads: 0

mkim418@uw1-320-13:~/HW1$ ./client 73425 20000 15 100 uw1-320-13 2

Test: 2, Data sending time: 34056 usec; Total time: 34181 usec; Reads: 0

mkim418@uw1-320-13:~/HW1$ ./client 73425 20000 15 100 uw1-320-13 3

Test: 3, Data sending time: 20707 usec; Total time: 20869 usec; Reads: 0

mkim418@uw1-320-13:~/HW1$ ./client 73425 20000 15 100 uw1-320-13 3

Test: 3, Data sending time: 19855 usec; Total time: 20000 usec; Reads: 0

mkim418@uw1-320-13:~/HW1$ ./client 73425 20000 15 100 uw1-320-13 3

Test: 3, Data sending time: 20108 usec; Total time: 20284 usec; Reads: 0

Server’s output

mkim418@uw1-320-13:~/HW1$ ./server 73425 20000

Data receiving time: 180649 usec

mkim418@uw1-320-13:~/HW1$ ./server 73425 20000

Data receiving time: 205159 usec

mkim418@uw1-320-13:~/HW1$ ./server 73425 20000

Data receiving time: 181142 usec

mkim418@uw1-320-13:~/HW1$ ./server 73425 20000

Data receiving time: 33935 usec

mkim418@uw1-320-13:~/HW1$ ./server 73425 20000

Data receiving time: 34345 usec

mkim418@uw1-320-13:~/HW1$ ./server 73425 20000

Data receiving time: 34006 usec

mkim418@uw1-320-13:~/HW1$ ./server 73425 20000

Data receiving time: 20688 usec

mkim418@uw1-320-13:~/HW1$ ./server 73425 20000

Data receiving time: 19821 usec

mkim418@uw1-320-13:~/HW1$ ./server 73425 20000

Data receiving time: 20097 usec