|  |  |  |
| --- | --- | --- |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 2 GB | |
| Elapsed Time | 2.023 | |
| Number of messages | 32264 | |
| Sent/Received Bytes | 2097152000 | 2097126003.2 |

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| --- | --- | --- |
| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 2 GB | |
| Elapsed Time | 2.201 | |
| Number of messages | 32264 | |
| Sent/Received Bytes | 2097152000 | 2097120153.92 |

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| --- | --- | --- |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 1 GB | |
| Elapsed Time | 1.073 | |
| Number of messages | 16132 | |
| Sent/Received Bytes | 1048576000 | 1048537004.8 |

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| --- | --- | --- |
| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 1 GB | |
| Elapsed Time | 1.036 | |
| Number of messages | 16132 | |
| Sent/Received Bytes | 1048576000 | 1048532455.36 |

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| --- | --- | --- |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 500MB | |
| Elapsed Time | 0.532 | |
| Number of messages | 8066 | |
| Sent/Received Bytes | 524288000 | 524262003.2 |

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| --- | --- | --- |
| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 500MB | |
| Elapsed Time | 0.516 | |
| Number of messages | 8066 | |
| Sent/Received Bytes | 524288000 | 524250304.64 |

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| --- | --- | --- |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 100MB | |
| Elapsed Time | 0.114 | |
| Number of messages | 1614 | |
| Sent/Received Bytes | 104857600 | 104825104.0 |

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| --- | --- | --- |
| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 100MB | |
| Elapsed Time | 0.101 | |
| Number of messages | 1614 | |
| Sent/Received Bytes | 104857600 | 104823154.24 |

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| --- | --- | --- |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 10MB | |
| Elapsed Time | 0.012 | |
| Number of messages | 162 | |
| Sent/Received Bytes | 10485760 | 104823154.24 |

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| --- | --- | --- |
| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 10MB | |
| Elapsed Time | 0.011 | |
| Number of messages | 162 | |
| Sent/Received Bytes | 10485760 | 10468862.08 |

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| --- | --- | --- |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 2 GB | |
| Elapsed Time | 3.829 | |
| Number of messages | 64528 | |
| Sent/Received Bytes | 2097152000 | 2097119508 |

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| --- | --- | --- |
| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 2 GB | |
| Elapsed Time | 3.772 | |
| Number of messages | 64528 | |
| Sent/Received Bytes | 2097152000 | 2097124706.72 |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 1 GB | |
| Elapsed Time | 1.737 | |
| Number of messages | 32264 | |
| Sent/Received Bytes | 1048576000 | 1048543508 |

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| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 1 GB | |
| Elapsed Time | 1.746 | |
| Number of messages | 32264 | |
| Sent/Received Bytes | 1048576000 | 1048546757.2 |

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| --- | --- | --- |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 500 MB | |
| Elapsed Time | 1.081 | |
| Number of messages | 16132 | |
| Sent/Received Bytes | 524288000 | 524255508 |

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| --- | --- | --- |
| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 500 MB | |
| Elapsed Time | 1.122 | |
| Number of messages | 16132 | |
| Sent/Received Bytes | 524288000 | 524257457.52 |

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| --- | --- | --- |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.208 | |
| Number of messages | 3227 | |
| Sent/Received Bytes | 104857600 | 104825108 |

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| --- | --- | --- |
| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.198 | |
| Number of messages | 3227 | |
| Sent/Received Bytes | 104857600 | 104827057.52 |

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| --- | --- | --- |
| 10 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.208 | |
| Number of messages | 323 | |
| Sent/Received Bytes | 10485760 | 10463015.6 |

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| --- | --- | --- |
| 100 Runs  TCP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.017 | |
| Number of messages | 323 | |
| Sent/Received Bytes | 10485760 | 10463665.44 |

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| --- | --- | --- |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 2 GB | |
| Elapsed Time | 1.913 | |
| Number of messages | 64528 | |
| Sent/Received Bytes | 2097152000 | 2097152000 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 2 GB | |
| Elapsed Time | 3.508 | |
| Number of messages | 116474 | |
| Sent/Received Bytes | 3785359360 | 3785359360.52 |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 1 GB | |
| Elapsed Time | 0.929 | |
| Number of messages | 32267 | |
| Sent/Received Bytes | 1048576000 | 1048576000.4 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 1 GB | |
| Elapsed Time | 1.646 | |
| Number of messages | 51952 | |
| Sent/Received Bytes | 1688207360 | 1688207360.4 |

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| --- | --- | --- |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 500 MB | |
| Elapsed Time | 0.526 | |
| Number of messages | 16132 | |
| Sent/Received Bytes | 524288000 | 524288000 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 500 MB | |
| Elapsed Time | 0.634 | |
| Number of messages | 19682 | |
| Sent/Received Bytes | 639631360 | 639631360.36 |

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| --- | --- | --- |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.085 | |
| Number of messages | 3227 | |
| Sent/Received Bytes | 104857600 | 104857600 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.116 | |
| Number of messages | 3550 | |
| Sent/Received Bytes | 115343360 | 115343360.16 |

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| --- | --- | --- |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.010 | |
| Number of messages | 323 | |
| Sent/Received Bytes | 10485760 | 10485760 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.018 | |
| Number of messages | 323 | |
| Sent/Received Bytes | 10485760 | 10485760 |

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| --- | --- | --- |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 2 GB | |
| Elapsed Time | 1.292 | |
| Number of messages | 32264 | |
| Sent/Received Bytes | 2097152000 | 2097152000 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 2 GB | |
| Elapsed Time | 2.273 | |
| Number of messages | 58238 | |
| Sent/Received Bytes | 3785359360 | 3785359360.04 |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 1 GB | |
| Elapsed Time | 0.635 | |
| Number of messages | 16132 | |
| Sent/Received Bytes | 1048576000 | 1048576000.4 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 1 GB | |
| Elapsed Time | 0.993 | |
| Number of messages | 25974 | |
| Sent/Received Bytes | 1688207360 | 1688207360.04 |

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| --- | --- | --- |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 500 MB | |
| Elapsed Time | 0.307 | |
| Number of messages | 8066 | |
| Sent/Received Bytes | 524288000 | 524288000 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 500 MB | |
| Elapsed Time | 0.375 | |
| Number of messages | 9842 | |
| Sent/Received Bytes | 639631360 | 639631360.04 |

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| --- | --- | --- |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.057 | |
| Number of messages | 1614 | |
| Sent/Received Bytes | 104857600 | 104857600 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.063 | |
| Number of messages | 1776 | |
| Sent/Received Bytes | 115343360 | 115343360 |

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| --- | --- | --- |
| 10 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.005 | |
| Number of messages | 162 | |
| Sent/Received Bytes | 10485760 | 10485760 |

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| --- | --- | --- |
| 100 Runs  TCP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.005 | |
| Number of messages | 162 | |
| Sent/Received Bytes | 10485760 | 10485760 |

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| --- | --- | --- |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 2 GB | |
| Elapsed Time | 12.352 | |
| Number of messages | 32264 | |
| Sent/Received Bytes | 2097152000 | 2097152004 |

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| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 2 GB | |
| Elapsed Time | 20.935 | |
| Number of messages | 58238 | |
| Sent/Received Bytes | 3785359360 | 3785359380 |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 1 GB | |
| Elapsed Time | 5.826 | |
| Number of messages | 25974 | |
| Sent/Received Bytes | 1688207360 | 1048576004 |

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| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 1 GB | |
| Elapsed Time | 9.123 | |
| Number of messages | 25974 | |
| Sent/Received Bytes | 1688207360 | 1688207376 |

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| --- | --- | --- |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 500 MB | |
| Elapsed Time | 2.762 | |
| Number of messages | 8066 | |
| Sent/Received Bytes | 524288000 | 524288004 |

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| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 500 MB | |
| Elapsed Time | 3.455 | |
| Number of messages | 9842 | |
| Sent/Received Bytes | 639631360 | 639631372 |

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| --- | --- | --- |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.521 | |
| Number of messages | 1614 | |
| Sent/Received Bytes | 104857600 | 104857604 |

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| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.591 | |
| Number of messages | 1776 | |
| Sent/Received Bytes | 115343360 | 115343368 |

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| --- | --- | --- |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.055 | |
| Number of messages | 162 | |
| Sent/Received Bytes | 10485760 | 10485760 |

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| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 65000 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.055 | |
| Number of messages | 162 | |
| Sent/Received Bytes | 10485760 | 10485760 |

|  |  |  |
| --- | --- | --- |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 2 GB | |
| Elapsed Time | 22.050 | |
| Number of messages | 64528 | |
| Sent/Received Bytes | 2097152000 | 2097152004 |

|  |  |  |
| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 2 GB | |
| Elapsed Time | 39.214 | |
| Number of messages | 116474 | |
| Sent/Received Bytes | 3785359360 | 3785359380 |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 1 GB | |
| Elapsed Time | 10.669 | |
| Number of messages | 32264 | |
| Sent/Received Bytes | 1688207360 | 1048576004 |

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| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 1 GB | |
| Elapsed Time | 17.104 | |
| Number of messages | 51946 | |
| Sent/Received Bytes | 1688207360 | 1688207376 |

|  |  |  |
| --- | --- | --- |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 500 MB | |
| Elapsed Time | 5.317 | |
| Number of messages | 16132 | |
| Sent/Received Bytes | 524288000 | 524288004 |

|  |  |  |
| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 500 MB | |
| Elapsed Time | 6.441 | |
| Number of messages | 19682 | |
| Sent/Received Bytes | 639631360 | 639631372 |

|  |  |  |
| --- | --- | --- |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 100 MB | |
| Elapsed Time | 1.181 | |
| Number of messages | 3227 | |
| Sent/Received Bytes | 104857600 | 104857604 |

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| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 100 MB | |
| Elapsed Time | 1.206 | |
| Number of messages | 3550 | |
| Sent/Received Bytes | 115343360 | 115343368 |

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| --- | --- | --- |
| 10 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.128 | |
| Number of messages | 323 | |
| Sent/Received Bytes | 10485760 | 10485760 |

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| --- | --- | --- |
| 100 Runs  UDP Stop-Wait | Client | Server |
| Buffer | 32500 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.101 | |
| Number of messages | 323 | |
| Sent/Received Bytes | 10485760 | 10485760 |

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| --- | --- | --- |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 2 GB | |
| Elapsed Time | 17.267 | |
| Number of messages | 64528 | |
| Sent/Received Bytes | 2097152000 | 2097152004 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 2 GB | |
| Elapsed Time | 30.842 | |
| Number of messages | 116474 | |
| Sent/Received Bytes | 3785359360 | 3764492717.6 |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 1 GB | |
| Elapsed Time | 8.645 | |
| Number of messages | 32264 | |
| Sent/Received Bytes | 1048576000 | 1048576004 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 1 GB | |
| Elapsed Time | 13.794 | |
| Number of messages | 51946 | |
| Sent/Received Bytes | 1688207360 | 1677826473.6 |

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| --- | --- | --- |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 500 MB | |
| Elapsed Time | 4.317 | |
| Number of messages | 16132 | |
| Sent/Received Bytes | 524288000 | 524288004 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 500 MB | |
| Elapsed Time | 5.146 | |
| Number of messages | 19682 | |
| Sent/Received Bytes | 639631360 | 634493349.6 |

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| --- | --- | --- |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.830 | |
| Number of messages | 3227 | |
| Sent/Received Bytes | 104857600 | 104857604 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.905 | |
| Number of messages | 3550 | |
| Sent/Received Bytes | 115343360 | 114399649.6 |

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| --- | --- | --- |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.082 | |
| Number of messages | 323 | |
| Sent/Received Bytes | 10485760 | 10485764 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 32500 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.083 | |
| Number of messages | 323 | |
| Sent/Received Bytes | 10485760 | 10485764 |

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| --- | --- | --- |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 2 GB | |
| Elapsed Time | 8.746 | |
| Number of messages | 32264 | |
| Sent/Received Bytes | 2097152000 | 2097152004 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 2 GB | |
| Elapsed Time | 15.841 | |
| Number of messages | 58238 | |
| Sent/Received Bytes | 3785359360 | 3785359380 |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 1 GB | |
| Elapsed Time | 4.331 | |
| Number of messages | 16132 | |
| Sent/Received Bytes | 1048576000 | 1048576004 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 1 GB | |
| Elapsed Time | 7.162 | |
| Number of messages | 25974 | |
| Sent/Received Bytes | 1688207360 | 1688207376 |

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| --- | --- | --- |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 500 MB | |
| Elapsed Time | 2.160 | |
| Number of messages | 8066 | |
| Sent/Received Bytes | 524288000 | 524288004 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 500 MB | |
| Elapsed Time | 2.711 | |
| Number of messages | 9842 | |
| Sent/Received Bytes | 639631360 | 639631372 |

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| --- | --- | --- |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.434 | |
| Number of messages | 1614 | |
| Sent/Received Bytes | 104857600 | 104857604 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 100 MB | |
| Elapsed Time | 0.476 | |
| Number of messages | 1776 | |
| Sent/Received Bytes | 115343360 | 115343368 |

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| --- | --- | --- |
| 10 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.048 | |
| Number of messages | 162 | |
| Sent/Received Bytes | 10485760 | 10485764 |

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| --- | --- | --- |
| 100 Runs  UDP Streaming | Client | Server |
| Buffer | 65000 | |
| Message Size | 10 MB | |
| Elapsed Time | 0.044 | |
| Number of messages | 162 | |
| Sent/Received Bytes | 10485760 | 10485764 |