

Appendix C

Sample of Glomosim output file “glomo.stat”

Five nodes slowstart

Node: 0, Layer: AppGenFtpClient, from 0 to 1 (cid = 1), start = 25705247 ns, end = 731442513 ns (closed), bytes sent = 81920 B, throughput = 928617 bps

Node: 1, Layer: AppGenFtpServer, from 0 to 1 (cid = 2), start = 27545319 ns, end = 870876665 ns (closed) bytes recv = 81920 B, throughput = 777108 bps

Node: 1, Layer: AppGenFtpClient, from 1 to 2 (cid = 3), start = 65014922152 ns, end = 65659280888 ns (closed), bytes sent = 81920 B, throughput = 1017073 bps

Node: 2, Layer: AppGenFtpServer, from 1 to 2 (cid = 2), start = 65016682167 ns, end = 65809402803 ns (closed) bytes recv = 81920 B, throughput = 826722 bps

Node: 2, Layer: AppGenFtpClient, from 2 to 3 (cid = 3), start = 130009048653 ns, end = 130604969369 ns (closed), bytes sent = 81920 B, throughput = 1099743 bps

Node:3, Layer: AppGenFtpServer, from 2 to 3 (cid = 2), start = 130010448776 ns, end = 130750301708 ns (closed) bytes recv = 81920 B, throughput = 885797 bps

Node: 3, Layer: AppGenFtpClient, from 3 to 4 (cid = 3), start = 195008810229 ns, end = 195775615057 ns (closed), bytes sent = 81920 B, throughput = 854663 bps

Node:4, Layer: AppGenFtpServer, from 3 to 4 (cid = 2), start = 195010690286 ns, end = 195892346584 ns (closed) bytes recv = 81920 B, throughput = 743328 bps

Six nodes slowstart

Node:0, Layer: AppGenFtpClient, from 0 to 1 (cid = 1), start = 25705247 ns, end = 731442513 ns (closed), bytes sent = 81920 B, throughput = 928617 bps

Node:1, Layer: AppGenFtpServer, from 0 to 1 (cid = 2), start = 27545319 ns, end = 870876665 ns (closed) bytes recv = 81920 B, throughput = 777108 bps

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Node: 3, Layer: AppGenFtpClient, from 3 to 4 (cid = 3), start = 195008810229 ns, end = 195775615057 ns (closed), bytes sent = 81920 B, throughput = 854663 bps

Node:4, Layer: AppGenFtpServer, from 3 to 4 (cid = 2), start = 195010690286 ns, end = 195892346584 ns (closed) bytes recv = 81920 B, throughput = 743328 bps

Node:4, Layer: AppGenFtpClient, from 4 to 5 (cid = 3), start = 260011702493 ns, end = 260672524636 ns (closed), bytes sent = 81920 B, throughput = 991734 bps

Node:5, Layer: AppGenFtpServer, from 4 to 5 (cid = 2), start = 260013482607 ns, end = 260829803666 ns (closed) bytes recv = 81920 B, throughput = 802821 bps

Five nodes congestion avoidance

Node: 0, Layer: AppGenFtpClient, from 0 to 1 (cid = 1), start = 25705247 ns, end = 731441306 ns (closed), bytes sent = 81920 B, throughput = 928619 bps

Node:1, Layer: AppGenFtpServer, from 0 to 1 (cid = 2), start = 27545319 ns, end = 870874963 ns (closed) bytes recv = 81920 B, throughput = 777110 bps

Node: 1, Layer: AppGenFtpClient, from 1 to 2 (cid = 3), start = 45014999222 ns, end = 45620162112 ns (closed), bytes sent = 81920 B, throughput = 1082948 bps

Node: 2, Layer: AppGenFtpServer, from 1 to 2 (cid = 2), start = 45016939441 ns, end = 45761509887 ns (closed) bytes recv = 81920 B, throughput = 880185 bps

Node: 2, Layer: AppGenFtpClient, from 2 to 3 (cid = 3), start = 90007719042 ns, end = 90703658853 ns (closed), bytes sent = 81920 B, throughput = 941690 bps

Node: 3, Layer: AppGenFtpServer, from 2 to 3 (cid = 2), start = 90009459120 ns, end = 90850341455 ns (closed) bytes recv = 81920 B, throughput = 779371 bps

Node: 3, Layer: AppGenFtpClient, from 3 to 4 (cid = 3), start = 135008939662 ns, end = 135778904003 ns (closed), bytes sent = 81920 B, throughput = 851156 bps

Node: 4, Layer: AppGenFtpServer, from 3 to 4 (cid = 2), start = 135010579734 ns, end = 135938763865 ns (closed) bytes recv = 81920 B, throughput = 706066 bps

Six nodes congestion avoidance

Node:0, Layer: AppGenFtpClient, from 0 to 1 (cid = 1), start = 25705247 ns, end = 731441306 ns (closed), bytes sent = 81920 B, throughput = 928619 bps

Node: 1, Layer: AppGenFtpServer, from 0 to 1 (cid = 2), start = 27545319 ns, end = 870874963 ns (closed) bytes recv = 81920 B, throughput = 777110 bps

Node:1, Layer: AppGenFtpClient, from 1 to 2 (cid = 3), start = 45014999222 ns, end = 45620162112 ns (closed), bytes sent = 81920 B, throughput = 1082948 bps

Node:2, Layer: AppGenFtpServer, from 1 to 2 (cid = 2), start = 45016939441 ns, end = 45761509887 ns (closed) bytes recv = 81920 B, throughput = 880185 bps

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Node:4, Layer: AppGenFtpServer, from 3 to 4 (cid = 2), start = 135010579734 ns, end = 135938763865 ns (closed) bytes recv = 81920 B, throughput = 706066 bps

Node: 4, Layer: AppGenFtpClient, from 4 to 5 (cid = 3), start = 180009786593 ns, end = 180673620785 ns (closed), bytes sent = 81920 B, throughput = 987234 bps

Node:5, Layer: AppGenFtpServer, from 4 to 5 (cid = 2), start = 180011466665 ns, end = 180841226369 ns (closed) bytes recv = 81920 B, throughput = 789819 bps