| | | | Drop Policy | | | | | | | | | | | |
|--------------|---------------|----------------------------|---|--|--------------|----------------|---------------------|--------------|----------------|---------------|----------------|----------------|--------------|--|
| | | | X Ascending Descendi | | | | | | | ng | | | | |
| | | | Random | Arrival-time | Replications | Relayed-nodes | Time-to-live | Message-size | Arrival-time | Replications | Relayed-nodes | Time-to-live | Message-size | |
| | | Metric | Delivery Ratio (percentage, more is better) | | | | | | | | | | | |
| Queue Policy | × | Random | 46.2 | 52.7 | 35.4 | 23.9 | 66.8 | 20.8 | 38.2 | 53.1 | 64.9 | 27.7 | 56.7 | |
| | Ascending | Arrival-time | 36.2 | 46.5 | 30.0 | 18.0 | 64.0 | 17.5 | 32.6 | 44.6 | 59.0 | 21.8 | 54.3 | |
| | | Replications | 56.3 | 59.8 | 45.2 | 31.5 | 70.1 | 24.8 | 44.7 | 60.5 | 70.6 | 31.4 | 60.6 | |
| | | Relayed-nodes | 58.1 | 66.9 | 50.0 | 35.6 | 69.5 | 24.1 | 42.9 | 60.9 | 65.2 | 30.2 | 61.4 | |
| | | Time-to-live | 34.9 | 38.5 | 25.2 | 18.1 | 57.3 | 17.0 | 36.1 | 50.0 | 55.6 | 23.3 | 52.8 | |
| | | Message-size | 54.4 | 58.3 | 49.0 | 43.4 | 64.3 | 30.5 | 47.4 | 59.0 | 65.1 | 37.3 | 56.9 | |
| | Descending | Arrival-time | 51.9 | 54.5 | 43.0 | 29.5 | 62.6 | 23.8 | 44.2 | 56.6 | 67.1 | 28.5 | 58.1 | |
| | | Replications | 35.7 33.4 | 39.8 37.7 | 28.9 | 17.8 | 52.5 52.3 | 17.2 15.9 | 31.9 | 44.9 | 55.0 56.7 | 21.4 19.6 | 50.2 | |
| | | Relayed-nodes Time-to-live | 60.0 | 64.9 | 50.0 | 32.2 | 66.0 | 27.6 | 45.5 | 60.6 | 69.4 | 35.6 | 61.9 | |
| | | Message-size | 26.7 | 30.0 | 21.4 | 16.0 | 41.6 | 17.5 | 34.7 | 39.9 | 49.6 | 18.6 | 51.9 | |
| | Metric Metric | | Overhead Factor (transmissions per message, less is better) | | | | | | | | | | | |
| | × | Random | 98.4 | 80.9 | 123.3 | 180.3 | 139.4 | 103.4 | 118.6 | 105.0 | 122.4 | 131.6 | 98.2 | |
| Queue Policy | Ascending | Arrival-time | 103.9 | 81.0 | 118.1 | 178.2 | 114.0 | 91.8 | 105.5 | 92.1 | 96.0 | 130.1 | 93.5 | |
| | | Replications | 93.1 | 79.0 | 114.3 | 167.7 | 154.0 | 123.8 | 126.7 | 97.5 | 127.4 | 127.8 | 94.8 | |
| | | Relayed-nodes | 75.2 | 55.0 | 94.9 | 131.0 | 114.2 | 117.6 | 99.8 | 114.0 | 134.2 | 113.5 | 87.8 | |
| | | Time-to-live | 88.7 | 80.7 | 121.3 | 156.8 | 118.0 | 93.5 | 92.5 | 71.0 | 97.1 | 110.0 | 86.8 | |
| | | Message-size | 116.3 | 101.4 | 144.8 | 176.1 | 192.0 | 249.3 | 129.9 | 107.9 | 154.1 | 135.0 | 103.2 | |
| | Descending | Arrival-time | 101.8 | 82.3 | 118.4 | 173.7 | 165.7 | 102.7 | 116.3 | 110.4 | 141.1 | 135.0 | 92.3 | |
| | | Replications | 113.6 | 99.3 | 127.5 | 181.4 | 141.1 | 90.4 | 111.1 | 109.1 | 97.5 | 137.8 | 97.3 | |
| | | Relayed-nodes Time-to-live | 104.5 80.1 | 92.9 59.8 | 141.4 | 166.7 150.4 | 147.5 157.6 | 117.0 | 113.7 123.9 | 77.7 139.1 | 108.5 144.8 | 157.0 119.2 | 88.8 86.5 | |
| | | Message-size | 38.3 | 33.4 | 52.9 | 68.2 | 100.7 | | 44.4 | 35.5 | 59.6 | 72.8 | 108.0 | |
| | | Metric Metric | Average Delay (minutes, less is better) | | | | | | | | | | | |
| | ★ Random | | 71.3 | 68.2 | 75.4 | 57.9 | 58.4 | 59.2 | 79.6 | 72.6 | 85.7 | 67.6 | 72.9 | |
| Queue Policy | Ascending | Arrival-time | 79.6 | 78.6 | 80.5 | 58.3 | 72.6 | 67.2 | 85.6 | 81.7 | 107.2 | 70.1 | 86.6 | |
| | | Replications | 54.5 | 52.5 | 64.7 | 47.6 | 44.3 | 51.1 | 65.2 | 54.8 | 66.8 | 54.0 | 51.3 | |
| | | Relayed-nodes | 50.9 | 43.4 | 74.5 | 50.2 | 43.6 | 51.8 | 65.1 | 49.6 | 81.7 | 58.7 | 48.7 | |
| | | Time-to-live | 79.6 | 76.1 | 72.0 | 62.3 | 93.3 | 66.4 | 93.5 | 93.9 | 110.0 | 70.1 | 91.4 | |
| | | Message-size | 63.9 | 61.3 | 64.1 | 53.2 | 57.8 | 57.8 | 70.6 | 67.6 | 79.6 | 57.5 | 58.0 | |
| | Descending | Arrival-time | 48.4 | 41.2 | 60.9 | 47.1 | 37.5 | 49.4 | 64.9 | 51.9 | 64.6 | 51.4 | 48.8 | |
| | | Replications | 77.3 | 68.4 | 80.3 | 60.0 | 68.2 | 62.5 | 86.7 | 81.9 | 100.8 | 68.0 | 83.3 | |
| | | Relayed-nodes Time-to-live | 71.4 36.0 | 70.9 | 72.0 52.6 | 61.3 39.8 | 73.6 30.7 | 65.7 44.9 | 84.6 55.0 | 88.4 43.0 | 99.7 58.5 | 62.5 46.8 | 84.2 40.8 | |
| | | Message-size | 68.0 | 61.0 | 73.9 | 59.5 | 55.3 | 60.2 | 87.3 | 75.3 | 93.1 | 65.2 | 82.2 | |
| | Metric Metric | | 00.0 | Composite (percentage, more is better) | | | | | | | | | | |
| | × | Random | 55.4 | 62.6 | 43.6 | 36.3 | 72.8 | 46.2 | 44.6 | 59.4 | 62.1 | 40.1 | 59.3 | |
| Queue Policy | | Arrival-time | 45.6 | 55.2 | 39.8 | 32.3 | 68.1 | 43.9 | 41.5 | 51.4 | 52.2 | 36.2 | 53.3 | |
| | Ascending | Replications | 69.0 | 73.1 | 55.2 | 47.4 | 79.0 | 49.2 | 53.8 | 71.0 | 72.6 | 48.4 | 70.5 | |
| | | Relayed-nodes | 74.9 | 85.8 | 57.4 | 53.9 | 83.1 | 50.8 | 56.6 | 73.7 | 63.2 | 48.3 | 73.4 | |
| | | Time-to-live | 47.5 | 52.0 | 41.0 | 34.1 | 54.6 | 41.8 | 42.3 | 52.8 | 48.5 | 40.7 | 51.7 | |
| | | Message-size | 60.1 | 65.0 | 54.0 | 52.1 | 65.1 | 37.6 | 52.0 | 62.9 | 60.4 | 49.2 | 64.6 | |
| | Descending | Arrival-time | 68.1 | 74.6 | 55.1 | 45.8 | 76.3 | 50.9 | 54.4 | 69.2 | 70.5 | 46.7 | 71.0 | |
| | | Replications | 44.5 | 52.2 | 37.2 | 31.4 | 59.5 | 44.6 | 39.3 | 49.9 | 51.8 | 35.4 | 51.9 | |
| | | Relayed-nodes Time-to-live | 47.3 | 51.7 97.9 | 37.1 65.5 | 34.7 | 56.8 | 36.5 | 40.8 | 53.4 | 51.9 74.4 | 32.3 | 54.7 | |
| | | Message-size | 81.5 57.6 | 87.8 62.9 | 50.6 | 52.9 51.1 | 82.6 67.0 | 54.1 | 59.7 52.8 | 73.8 62.8 | 60.0 | 55.2 47.6 | 77.5 55.8 | |
| | | ivicssage-Size | 37.0 | 02.7 | 30.0 | J1.1 | 07.0 | 33.4 | 32.0 | 02.0 | 00.0 | 77.0 | 33.0 | |