Erratum:
Performance Evaluation and Analysis of Delay Tolerant Networking

Earl Oliver, Hossein Falaki
David R. Cheriton School of Computer Science
University of Waterloo
{eaoliver, mhfalaki}@uwaterloo.ca

The networking throughput measurements presented in section 3.2.2 contained an error. We were measuring the time before closing the socket, so that the measured time did not include the time required to transmit the last socket buffer. This resulted in incorrect throughput values, especially for large socket buffer sizes, and led to the sawtooth pattern in Figures 2 and 3 of the paper. The correct versions of those figures along with the old ones are presented below:

Figure 1: Network throughput vs. data size when disk is not involved. The figure on the right is the corrected version.

Figure 2: Network throughput vs. data size with disk involvement. The figure on the right is the corrected version.

Acknowledgements

We would like to acknowledge Prof. Martin Karsten, and Prof. David Taylor for helping us find this error. We also thank the members of the Networks and Distributed Systems group at the University of Waterloo for related discussions on this error.