



Available bandwidth

- Data transmission control
- Service overlay networks: routing, server selection
- Network topology design
- Network trouble shooting

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New features in the proposed algorithm Ourying transmission rate in a stream Reducing the number of packets in a stream Initing the search range of a measurement Deploying statistic information of previous measurement results Reducing the number of streams in each measurement Fast measurement Avoiding sending streams in very high rate No affect to other traffic Deposed algorithm is suitable for inline measurement Reference: Modern of Masegawa and Masayuki Murata, "A new available bandwidth measurement technique for service overlay networks," in Proceedings of Workshop on End-to-End Monitoring Techniques and Services (EZEMON), Sept. 2003.













Conclusion

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• We introduced ImTCP, a TCP of which the sender can measure the available bandwidth

Future works

- Implementation of ImTCP
- Receiver-based ImTCP
- Capacity measurement

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