

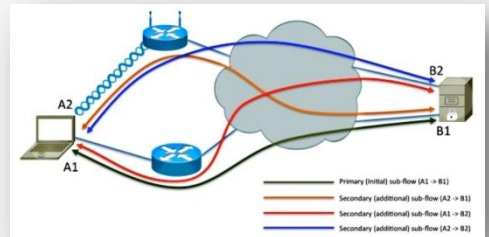


Performance Evaluation of MTCP Implementations

Description



Concurrent transmission over multiple interfaces/paths comes with many advantages compared to single path transmission. Using multiple interfaces increases the reliability, availability and improves the quality of service/experience. At the moment there are different research groups working on TCP implementations which make use of concurrent transmission. These implementations mainly focus on stable wired networks where network conditions are very stable and deterministic.



Tasks

In this thesis you will evaluate the performance of MTCP implementations over wired AND wireless networks. Depending on the type of the thesis, you will evaluate/extend the key mechanisms of the implementation (scheduling, feedback channel, re-sequencing buffer, network coding,...).

Requirements

Basic knowledge of computer networks

Programming skills in C, C++ or Java are recommended



Keywords

Simulation, Emulation, Networks, Measurement



Depending on the type of the thesis (BA or MA) the complexity will be adjusted.