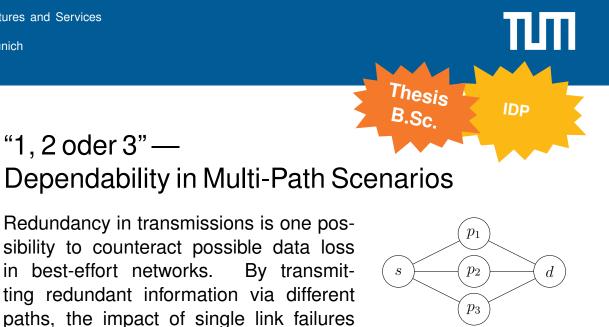
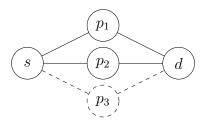
Motivation



multiple paths connect s and d



groups of frames an additional frame is pattern transmitted, allowing to restore any frame

can be drastically reduced. One exam-

ple along these lines is FRER, as introduced in IEEE 802.1CB [1], duplicating

each frame — a significant overhead. In

context of this work, an alternative to this approach, developed at our chair, is in fo-

cus. Instead of duplicating all frames, for

path failures require mitigation, e.g., via redundancy

of its group. To achieve this, a protocol draft exists defining relevant messages and their interplay.

Goal of this thesis is to emulate and evaluate a first implementation draft of the suggested protocol in mininet [2].

- Familiarize yourself with mininet
- Implement the drafted protocol
- Model the system's expected performance via pre-defined criteria
- Evaluate system performance in the chair's testbed [3]

[1] IEEE 802.1CB[2] mininet[3] The pos Framework: A Methodology and Toolchain for Reproducible Network Experiments

Applicants should have previous hands-on experience with the topics involved.

Contact

Your Task

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