

Topic: Concept and Implementation of deterministic end-to-end communication

Abstract: The goal of this thesis is the extensive research of possible solutions for a deterministic end-to-end communication as preparatory work for an ongoing research project. Deterministic communication is an important requirement for devices on the field level and is becoming more important in context of industrial converged networks. The responsibilities of this work include the identification of existing solutions, listing of suitable evaluation criteria, proposal for a conception for an architecture and the implementation of this concept.

Recommended Skills:

- Understanding of computer networks and network management
- Understanding of protocols
- Understanding of programming languages
- Confident handling in a Linux-environment
- Understanding of measurement processes

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