# eBPF-Assisted Relays for Multimedia Streaming

Daniel Alexander Antonius Pfeifer

Technical University of Munich

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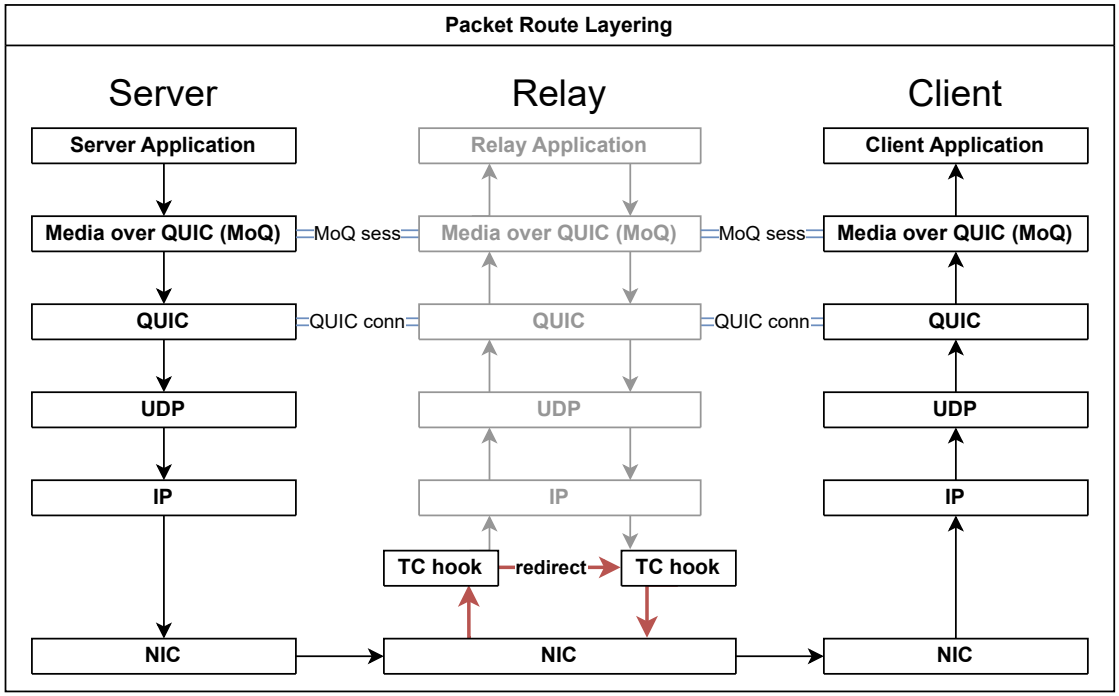
# Motivation

- Shorten Critical Path
- Avoid Network Stack Traversal
- Reduce Forwarding Delay



# Research Question

- *Improve relay performance by using eBPF technology?*
  - *Remove userspace packet-processing from critical path?*
  - *Handle packet en- and decryption?*
  - *Communication between userspace and the eBPF program?*
  - *Generalize to support other protocols?*

# QUIC

# eBPF

# QUIC Adaptations

# eBPF Setup

# Userspace Synchonization

# Congestion Considerations

# Test Setup

# Test Results

# Conclusion

# Future Work