#### Middlebox Cooperation

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measurement

architecture

experimentation

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## T3.1: Use Case Analysis and Requirement Definition (M1 - M6)



Participants: ETH, TID, ZHAW, ALU

- Performing a detailed analysis of a set of use cases for MCP
- Developing the use cases:
  - Low-Latency
  - Privacy Protection Gateway
  - Multipath TCP Proxy (may not be implemented)
- Contributing to standards:
  - https://tools.ietf.org/html/draft-kuehlewind-spud-use-cases-00
  - https://tools.ietf.org/html/draft-trammell-spud-req-01
  - https://tools.ietf.org/html/draft-trammell-stackevo-explicit-coop-00
- The use cases and requirements documents are to be updated in the next weeks (before the IETF cut-off on Mar 28)



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## T3.5: Threat and Trust Analysis for Middlebox Cooperation (M1 - M30)



Participants: TID, ALU, ZHAW

- Developing a threat model to investigate confidentiality, integrity, authentication and trust issues
- Exploring security mechanisms and their applicability:
  - EFGH presented at Hot Middlebox 2015
  - Multi-Context TLS (mcTLS) presented at Sigcomm 2015
- Providing input to D3.1 (M6)
- Later, producing a security analysis of MCP including an investigation of how hard it will be to subvert



# A.

#### First Deliverable – M6

- D3.1: The final outcome of T3.1 and interim reporting from T3.5
  - use cases and derived requirements for the protocol design of the MCP (T3.1)
  - base security requirements for designing MCP (T3.5)

