

# **mtufrag-network-tunneling**

## **MTU and Fragmentation Issues with In-the-Network Tunneling**

**draft-savola-mtufrag-network-tunneling-01.txt**

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# The draft in short

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- There are a number of different tunneling protocols
  - IP-IP, GRE, L2TP, IPv6-in-IPv4, ...
- Many of those are used in router-to-router tunneling
  - All the protocols need to discuss and address the same issues
  - This document aims to spell out the issues and describe the options
- Issues with tunneling in the "core" are quite tricky
- Four different solutions
  - Fragmentation and reassembly by tunnel endpoints
  - Signalling the lower MTU to the sources
  - Encapsulate only when there is free MTU
  - Fragmentation of the inner packet (when possible)
- Not clear how to continue the work?
  - Is this useful to document?
  - What is the right place for it if so?
  - Does this help in the PLPMTUD design?