

# BFD v2 motivations-bis?

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From last time...

# Motivations for extending BFD

- BFD was intended to be a very “thin” protocol.
- “What do you want to do every 3ms?”
- Extensions can’t break core use case.
- These things have caused the job of the chairs to be to say “no” over the years.

# Methods to extend

- Stay with v1 – add to end of packet.
  - bfd-large-packets leverages this
  - Doesn't interact with authentication properly
- BFD v2
  - Larger work
  - Can be properly inclusive
  - Backward compatibility issues
- TLVs?
  - These can be expensive to parse at fast wire speeds.
  - See ipfix/netflow for motivations to avoid TLVs.

# Time to open discussion

- Why are we trying to do this in BFD?
- We have other groups that are doing the things we keep on trying to embed:
  - IPPM, e.g. See i-OAM.
- The complexity for new mechanisms dilutes the core continuity check behavior for BFD.
- These proposed extensions have only been weakly in charter at best.
- Time to resolve whether we're taking on other charter items, or simply rule them out of bounds and take work to other WGs.