

# BFD v2 motivations?

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# 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.