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.