IETF 104 @ Prague
BFD Unsolicited

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draft-ietf-bfd-unsolicited-00
Changes since draft-chen-bfd-unsolicited-03

- Some formatting changes due to reformatting from “nroff” to “xml”
- Added YANG model (configuration and operational data) for BFD unsolicited
Augments modules ietf-bfd and ietf-bfd-ip-sh from draft-ietf-bfd-yang

New “unsolicited” container for configuration: allow unsolicited BFD sessions, parameters (timers and multiplier) for unsolicited BFD sessions. Considering renaming “allow” leaf to “enable”.

The “unsolicited” config container can be at the top-level (under “bfd”) and/or per-interface. There is a feature for each option: unsolicited-params-global and unsolicited-params-per-interface

New “unsolicited” operational container per IP single-hop session: it contains the role (active/passive)
module: ietf-bfd-unsolicited
augment /rt:routing/rt:control-plane-protocols
   /rt:control-plane-protocol/bfd:bfd:
      ++--rw unsolicited {bfd-unsol:unsolicited-params-global}?
         ++--rw allow? boolean
         ++--rw local-multiplier? multiplier
      ++--rw (interval-config-type)?
         +--:(tx-rx-intervals)
            |   ++--rw desired-min-tx-interval? uint32
            |   ++--rw required-min-rx-interval? uint32
         +--:(single-interval) {single-minimum-interval}?
            ++--rw min-interval? uint32
module: ietf-bfd-unsolicited
  augment /rt:routing/rt:control-plane-protocols
    /rt:control-plane-protocol/bfd:bfd
    /bfd-ip-sh:ip-sh /bfd-ip-sh:interfaces:
    +--rw unsolicited {bfd-unsol:unsolicited-params-per-interface}?
      +--rw allow? boolean
      +--rw local-multiplier? multiplier
      +--rw (interval-config-type)?
        +--:(tx-rx-intervals)
          |  +--rw desired-min-tx-interval? uint32
          |  +--rw required-min-rx-interval? uint32
        +--:(single-interval) {single-minimum-interval}?
          +--rw min-interval? uint32
module: ietf-bfd-unsolicited
  augment /rt:routing/rt:control-plane-protocols
    /rt:control-plane-protocol/bfd:bfd
    /bfd-ip-sh:ip-sh /bfd-ip-sh:sessions/bfd-ip-sh:session:
      +--ro unsolicited
      +--ro role? bfd-unsol:unsolicited-role
Would like more comments from the BFD WG on the draft (especially the recently added YANG model)