

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

BFD Unsolicited YANG Model

- ⌘ 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)

BFD Unsolicited YANG Tree (1)

```
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
```

BFD Unsolicited YANG Tree (2)

```
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
```

BFD Unsolicited YANG Tree (3)

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

Next steps

- ⌋ Would like more comments from the BFD WG on the draft (especially the recently added YANG model)