

BFD Echo data model

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Echo BFD in RFC 5880

- RFC 5880 does not define payload format of BFD Echo control packet.
- Asymmetric, i.e. Sender doesn't advertise itself but only Reflector advertises its ability to reflect Echo BFD by advertising Required Min Echo RX Interval.
- When Echo BFD is in use, the Sender MAY adjust rate of BFD Control packets according to rate of BFD Echo packets and desired detection time.

BFD Echo implementation alternatives

- Proactive:
 - persistent configuration;
 - transmission interval with the default value;
 - start/stop control
- On-demand:
 - only Required Min Echo RX Interval is in persistent configuration;
 - transmission interval, duration/number of Echo packets are part of start BFD Echo command