

Outstanding issues and way forward for LSP Ping YANG data model

draft-zheng-mpls-lsp-ping-yang-cfg

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Comments and Resolution I

- Comments from Acee Lindem, Rakesh Ghandi, and Tom Petch
- Issues identified and still outstanding:
 - Scope:
 - Current base specification is RFC 8029, the original specification at the time of the start of this work was RFC 4379. Missing or need review FECs:
 - Nil FEC
 - LDP
 - FEC 128 Pseudowire IPv4 (Current)
 - FEC 128 Pseudowire IPv6 (Current)
 - FEC 129 Pseudowire IPv4
 - FEC 129 Pseudowire IPv6
 - Also, additional extensions to LSP Ping were published in the meantime that may be considered to be added to the scope of the MPLS LSP Ping YANG data model:
 - RFC 6425 LSP Ping over p2mp MPLS LSP
 - RFC 8287 LSP Ping over Segment Routing in MPLS Data Plane
 - Handling of the test results:
 - In case of repeating the named test;
 - In case of removing the named configuration;
 - Add RPC to clear the test results of the named LSP ping test.
 - References to RFC 8029 are absent

Comments and Resolution II

- Identified issues being already addressed:
 - Replace “scheduling-parameters” rather than “schedule-parameters”
 - Remove source-address-type as ip-address type implicitly defines the address family
 - Unclear attribution of sum-of-squares. Clarified:
description "The sum of the squares of RTT,
calculated as the sum of the squared
differences between each RTT and the overall
mean RTT, for all replies received.";
 - Use tunnel name for tunnel_interface, remove optional reference by the tunnel index (uint32)
 - Clarified measurement units (usec) for min-rtt, max-rtt, average-rtt
 - Indents
 - Typos
 - Grammar (to some extent)

Priorities

- References to RFC 8029 in the existing target-fec (IPv4/IPv6, BGP, RSVP, VPN, L2 VPN Endpoint)
- Add FEC Types to match the model with RFC 8029
- Add the suggested RPC to clear the named test measurement results
- Expand the scope beyond RFC 8029

Next steps

- Agree on the plan
- Execute the plan