LSP Ping YANG data model

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

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Status update

• Detailed review and comments by Faisal Iqbal. Discussed and most of them already addressed:
  – Operator should be allowed to specify RSVP interface by tunnel name as well. For some operators, name may be more meaningful than tunnel number.
    case rsvp {
      leaf tunnel-interface {
        type union {
          type uint32;
          type string;
        }
        description "Tunnel interface";
      }
    }

• Numerous nits
Other updates

• Confirmed that the model conforms to NMDA
• Updated Security Considerations section according to YANG Security Guidelines
• Updated Examples from IPv4 to IPv6 addresses
Discussion continues

• A field to provide a destination address in 127/8 range
  – Entropy may be controlled through UDP source port number

• An option to specify a range of destination addresses to test e.g.
give destination start address 127.0.0.1 and end address 127.0.0.8,
system will initiate 8 echo requests correspondingly.
  – Split in two parts:
    • MAY use UDP Source port number
    • Part of base data model or nice operational extension

• Traceroute mode:
  – Separate model
  – Consecutive RPCs with monotonically increasing TTL

• Should the model list all registered FECs
Next steps

• Your comments, suggestions, questions always welcome and greatly appreciated
• WG adoption