IETF 100 – Singapore
November 2017

MPLS Working Group

MPLS Session:
Tuesday, November 14, 2017 - 13:30-15:30 Afternoon session I
Note Well

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IETF
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• Audio Streaming/Recording
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• Data tracker: http://datatracker.ietf.org/wg/mpls/

• Minute takers & Etherpad
  – http://tools.ietf.org/wg/mpls/minutes

• Meet Echo:
  – http://ietf100.conf.meetecho.com/

• Online Agenda and Slides at:
  https://datatracker.ietf.org/meeting/100/materials/
Agenda Bashing – Admin

- Agenda (https://datatracker.ietf.org/meeting/100/agenda/mpls):

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<th>Version</th>
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Agenda Bashing - Admin

• Fill in the Blue Sheets, and it pass on.

• Return to WG Chairs
## WG Status (Errata)
### Since Last Meeting

**Status: Reported (4)**

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<th>Section</th>
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<th>Submitted By</th>
<th>Date Submitted</th>
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LDP and MD5

- LDP uses MD5
- Today MD5 is effectively deprecated
- Discussed in PALS yesterday, since the last LDP draft going IESG review came from PALS
- The chairs for the two working groups has taken an initiative to write a draft describing what will be mandatory to implement in the future.
- The has been socialized on the mailing and with the SEC ADs
WG Status (Liaisons)

- **Liaisons** (since last meeting) – **from MPLS**:
  
  None.
** Document Status Since IETF-99 in Prague (2017-07-16)

*** New RFCs
- RFC8223 - Application-Aware Targeted LDP
- RFC8227 - MPLS-TP Shared-Ring Protection (MSRP) Mechanism for Ring Topology
- RFC8234 - Updates to MPLS Transport Profile (MPLS-TP) Linear Protection in Automatic Protection Switching (APS) Mode
- RFC8256 - Requirements for Hitless MPLS Path Segment Monitoring
- RFC8277 - Using BGP to Bind MPLS Labels to Address Prefixes
Working Group Status
Since IETF99

*** Docs in IESG
- draft-ietf-mpls-flow-ident
- draft-ietf-mpls-ldp-mrt
- draft-ietf-mpls-spring-lsp-ping

*** New WG Docs
- draft-ietf-mpls-rfc6374-sfl
- draft-ietf-mpls-sfl-framework
- draft-ietf-mpls-summary-frr-rsvpte
Working Group Status
Since IETF99

*** Updated WG Docs
- draft-ietf-mpls-ldp-yang
- draft-ietf-mpls-mldp-mib
- draft-ietf-mpls-mldp-yang
- draft-ietf-mpls-ri-rsvp-frr
- draft-ietf-mpls-spring-entropy-label

*** Existing WG Docs
- draft-ietf-mpls-base-yang
- draft-ietf-mpls-bfd-directed
- draft-ietf-mpls-lsp-ping-lag-multipath
- draft-ietf-mpls-rmr
- draft-ietf-mpls-static-yang
- draft-ietf-mpls-flow-ident
- draft-ietf-mpls-ldp-mrt
- draft-ietf-mpls-rfc6374-sfl
- draft-ietf-mpls-sfl-framework
- draft-ietf-mpls-spring-lsp-ping
- draft-ietf-mpls-summary-frr-rsvpte
Working Group Status
Since IETF99

*** New Individual Docs
- draft-mirsky-mpls-bfd-bootstrap-clarify

*** Updated Individual Docs
- draft-bryant-mpls-sfl-control
- draft-bryant-mpls-unified-ip-sr
- draft-deshmukh-mpls-rsvp-rmr-extension
- draft-esale-mpls-ldp-rmr-extensions
- draft-farrel-mpls-sfc
- draft-mirsky-bfd-mpls-demand *
- draft-mirsky-mpls-p2mp-bfd
- draft-shen-mpls-egress-protection-framework
- draft-sitaraman-mpls-rsvp-shared-labels
- draft-xu-mpls-unified-source-routing-instruction
- draft-zhang-mpls-tp-yang-oam
- draft-zheng-mpls-lsp-ping-yang-cfg
Working Group Status
Since IETF99

*** Existing Individual Docs
- draft-chenpeng-mpls-ldp-ext
- draft-kaliraj-bess-bgp-sig-private-mpls-labels
- draft-sboyapati-mpls-rsvp-label-reusage
- draft-xu-mpls-payload-protocol-identifier
- draft-xu-mpls-service-chaining
I-D Progress Update(s)

I-D: <draft-ietf-mpls-rmr-05>

• Current status (revision -05)
  – Outstanding issues:
    • how should the RMR document deal with "half-rings"
      – not deal with it
      – create a PW to complete the ring
      – instead of creating N LSPs, only create LSPs from A to B and from B to A
    • how should the RMR document deal with protecting hub nodes?
      – not deal with it
      – use technology akin to PIC edge

• Next steps:
  – Authors feel it is important to address both these issues and soliciting responses
  – Authors like to move to last call on the RMR document after closing
I-D Progress Update(s)

I-D: <draft-ietf-mpls-summary-frr-rsvpte-00>

• Current status (revision - 00)
  – Recently adopted as MPLS WG document

• Next steps:
  – Address outstanding comments, and
  – Request early code point allocation
    • We know of intended implementations
I-D Progress Update(s)

I-D: <draft-ietf-mpls-static-yang and draft-ietf-mpls-base-yang>

• Current status
  – Work is in-progress on outstanding modelling
  – Multi-vendor team mostly concentrated on other modeling activities

• Next steps:
  – Complete the outstanding work
  – Solicit comments and feedback
Progress Reports

- **Six** missing progress reports for existing WG documents
- Reminder to send progress report updates for WG documents that are not presented in WG session