TRILL Working Group

TRansparent Interconnection of Lots of Links

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Agenda

Hilton Buenos Aires, Buenos Aires, Argentina
Wednesday, April 6, 2016.
10:00–12:30 Quebrachaco Room

- 5 min. Administrativia (scribes), Agenda Bashing, Chairs
- 5 min. Status, Review of Milestones, Chairs

- 12 min. TRILL Address Flush Message, Yizhou Li
draft-hao-trill-address-flush-01
- 20 min. TRILL ECN Support
draft-eastlake-trill-ecn-support-00
- 12 min. Smart End Nodes, Fangwei Hu
draft-ietf-trill-smart-endnodes-03
Agenda (cont.)

- 12 min. Group Keying, Margaret Cullen, Dachang Zhang
  Donald Eastlake, Mingui Zhang
  draft-ietf-trill-over-ip-05
- 20 min. Multi-Topology / Multi-Level TRILL
  Mingui Zhang, Donald Eastlake, Radia Perlman
  draft-ietf-trill-rbridge-multilevel-01
  draft-ietf-trill-multi-topology-01
  draft-ietf-trill-multilevel-single-nickname-01
  draft-zhang-trill-multilevel-unique-nickname-00

- 12 min. TRILL Charter Revision, Jon Hudson
- 5 min. Wrap-Up, Chairs
Document Status

• New RFCs Since Last Meeting

  – RFC 7780 TRILL: Clarifications, Corrections, and Updates
  – RFC 7781 TRILL: Pseudo-Nickname for Active-Active Access
  – RFC 7782 TRILL: Active-Active Edge Using Multiple MAC Attachments
  – RFC 7783 Coordinated Multicast Trees (CMT) for TRILL
  – RFC 7784 TRILL: OAM MIB
Document Status

TRILL Standards Track Base Mandatory RFCs
(These RFCs contain a mix of mandatory and optional specifications)
• RFC 6325, “RBridges: Base Protocol Specification”
• RFC 6439, “RBridges: Appointed Forwarders
• RFC 7176, “TRILL: Use of IS-IS”
• RFC 7177, “TRILL: Adjacency”
• RFC 7780, “TRILL: Clarifications, Corrections, and Updates”

TRILL Standards Track Link Technology RFCs
(see RFC 6325 for Ethernet)
• RFC 6361, “PPP TRILL Protocol Control Protocol”
• RFC 7173, “TRILL: Transport Using Pseudowires”
TRILL MIBs

- RFC 6850, “Definitions of Managed Objects for RBridges”
- RFC 7784, “TRILL OAM MIB”

TRILL Standards Track Optional RFCs

- RFC 7172, “TRILL: Fine Grained Labeling”
- RFC 7175, “TRILL: BFD Support”
- RFC 7178, “TRILL: RBridge Channel Support”
- RFC 7179, “TRILL: Header Extension”
- RFC 7357, “TRILL: ESADI”
- RFC 7455, “TRILL: Fault Management”
- RFC 7456, “Loss and Delay Measurement in TRILL”
Document Status

• Passed WG Last Call:
  
  – Directory Group
    • draft-ietf-trill-directory-assist-mechanisms-06.txt
    • draft-ietf-trill-ia-appsubtlv-07.txt
    • draft-ietf-trill-arp-optimization-05.txt
    • draft-ietf-trill-channel-tunnel-08.txt
  
  – Other
    • draft-ietf-trill-irb-10.txt
    • draft-ietf-trill-rbridge-multilevel-01.txt
    • draft-ietf-trill-tree-selection-01.txt
Document Status

• Other TRILL WG Drafts
  - draft-ietf-trill-centralized-replication-05.txt
  - draft-ietf-trill-dci-00.txt
  - Draft-ietf-trill-directory-assisted-encap-02.txt
  - draft-ietf-trill-mtu-negotiation-01.txt
  - draft-ietf-trill-multi-topology-01.txt
  - draft-ietf-trill-multilevel-single-nickname-01.txt
  - draft-ietf-trill-over-ip-05.txt
  - draft-ietf-trill-p2mp-bfd-01.txt
  - draft-ietf-trill-resilient-trees-04.txt
  - draft-ietf-trill-rfc6439bis-01.txt
  - draft-ietf-trill-smart-endnodes-03.txt
  - draft-ietf-trill-transport-over-mpls-00.txt
  - draft-ietf-trill-yang-04.txt
  - draft-ietf-trill-yang-oam-03.txt
  - draft-ietf-trill-yang-pm-02.txt
Milestones

• Recently Completed Milestones
  – Nov 2015 Submit Active-Active to IESG as Proposed Standard
  – Jan 2016 Submit ARP/ND Optimization to IESG as Proposed Standard
Overdue and Future Milestones

**Overdue Milestones**
- Dec 2015  Submit TRILL-over-IP to IESG for Proposed Standard
- Feb 2016  Submit Multilevel TRILL to IESG for Proposed Standard
- Mar 2016  Submit Multi-topology TRILL to IESG for Proposed Standard

**Future Milestones**
- May 2016  Submit Multi-topology to IESG as Proposed Standard
- May 2016  Initial WG draft on TRILL IS-IS Security
- Nov 2016  Submit RBridge support of DCB (PFC, ETS, CN) to IESG as Proposed Standard
- Jul 2017  Re-charter or shut down the WG