

TRILL Working Group

TRansparent Interconnection of Lots of Links

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Agenda (1/2)

Hilton Prague Hotel, Prague, Czech Republic

Thursday, July 23, 2015

15:20 – 17:20 Karlin III Room

- 5 min. Administrativa (scribes), Agenda Bashing, Chairs
- 10 min. Status, Review of Milestones, Chairs
- 12 min. Traceable OAM, Yizhou Li, Deepak Kumar
draft-yizhou-trill-traceable-oam-00
- 15 min. TRILL Over IP, Margaret Cullen, Dacheng Zhang,
Donald Eastlake, Mingui Zhang
draft-ietf-trill-over-ip-03
- 12 min. TRILL Link Security
Donald Eastlake, Dacheng Zhang
draft-eastlake-trill-link-security-01

Agenda (2/2)

- TRILL WG Agenda Continued
 - 12 min. TRILL over MPLS,
Mohammad Umair, Kingston Smiler, Lucy Yong
draft-muks-trill-transport-over-mpls-00
 - 12 min. Distribution of TRILL Link-State using BGP,
Weiguo Hao
draft-hao-idr-trill-ls-01
 - 20 min. Multi-Topology / Multi-Level TRILL
Mingui Zhang, Donald Eastlake, Radia Perlman
draft-perlman-trill-rbridge-multilevel-10
draft-zhang-trill-multilevel-single-nickname-01
draft-eastlake-trill-multi-topology-02
 - 5 min. Wrap-Up, Chairs

Document Status

TRILL Standards Track 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 7180, “TRILL: Clarifications, Corrections, and Updates”

TRILL Standards Track Link Protocols

(see RFC 6325 for Ethernet)

- RFC 6361, “PPP TRILL Protocol Control Protocol”
- RFC 7173, “TRILL: Transport Using Pseudowires”

Document Status

TRILL Standards Track Optional RFCs

- RFC 6850, “Definitions of Managed Objects for RBridges”
- 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

TRILL Informational RFCs

- RFC 5556, “TRILL: Problem and Applicability Statement”
- RFC 6847, “FCoE over TRILL”
- RFC 6905, “Requirements for OAM in TRILL”
- RFC 7067, “Directory Assistance Problem and High-Level Design Proposal”
- RFC 7174, “TRILL: OAM Framework”
- RFC 7379, “Problem Statement and Goals for Active-Active at the TRILL Edge”

TRILL Related IANA RFCs

- RFC 6328, “NLPID IANA Considerations”
- RFC 7319, “CFM IANA Considerations”

Document Status

- RFC Publication has been requested for:
 - draft-ietf-trill-aa-multi-attach-03.txt
 - draft-ietf-trill-cmt-06.txt
 - draft-ietf-trill-oam-mib-06.txt
 - draft-ietf-trill-pseudonode-nickname-04.txt
 - draft-ietf-trill-rfc7180bis-05.txt
- WG Last Call Passed:
 - draft-ietf-trill-channel-tunnel-06.txt
 - draft-ietf-trill-directory-assist-mechanisms-03.txt
 - draft-ietf-trill-ia-appsubtlv-05.txt

Please read the drafts!

Document Status

- In WG Last Call (through 7/30):
 - draft-ietf-trill-tree-selection-01.txt
- Other TRILL WG Drafts
 - draft-ietf-trill-arp-optimization-00.txt
 - draft-ietf-trill-centralized-replication-02.txt
 - draft-ietf-trill-irb-06.txt
 - draft-ietf-trill-mtu-negotiation-00.txt
 - draft-ietf-trill-over-ip-03.txt
 - draft-ietf-trill-p2mp-bfd-00.txt
 - draft-ietf-trill-resilient-trees-03.txt
 - draft-ietf-trill-smart-endnodes-01.txt
 - draft-ietf-trill-yang-02.txt
 - draft-ietf-trill-yang-oam-01.txt
 - draft-ietf-trill-yang-pm-00.txt

Please Read the Drafts!

Document Status

- In Call for WG Adoption (through 7/30):
 - draft-perlman-trill-rbridge-multi-level-10.txt
 - draft-zhang-trill-multilevel-single-nickname-01.txt
 - draft-eastlake-trill-multi-topology-02.txt

Please Read the Drafts!

Major Efforts

- The current major (multi-document) specification efforts in the TRILL WG are as follows:
 - OAM – Base RFCs 7455 and 7456 published. MIB / YANG documents in process.
 - Active-Active – Base cluster of documents now in the IESG (trill-cmt, trill-pseudonode-nickname, and trill-aa-multi-attach)
 - Directory Assist / ARP&ND Optimization – Base cluster of documents has passed WG Last Call (trill-directory-assist-mechanisms, trill-ia-appsubtlv, trill-channel-tunnel)
 - Multi-level/multi-topology – drafts in call for WG adoption

Current Milestones

- **Completed**
 - (Many earlier completed milestones not listed.)
 - Submit RBridge MIB module to IESG for publication as Proposed Standard
 - Submit OAM framework document to IESG for publication
 - Initial WG draft on TRILL over IP
 - Submit OAM Fault Management to IESG as Proposed Standard
 - Submit OAM Performance Management to IESG as Proposed Standard
 - Initial WG draft on ARP/ND optimization
 - Submit Active-Active to IESG for Proposed Standard

Current Milestones (cont.)

- **Overdue Milestones**

- Dec 2014 Submit TRILL-over-IP to IESG for Proposed Standard
- Apr 2015 Submit ARP/ND Optimization to IESG as Proposed Standard
- Apr 2015 Initial WG draft on TRILL Implementation
- May 2015 Submit Multilevel TRILL to IESG for Proposed Standard
- Jun 2015 Initial WG draft on TRILL IS-IS Security

- **Future Milestones**

- Aug 2015 Submit Multi-topology to IESG as Proposed Standard
- Dec 2015 Submit RBridge support of DCB (PFC, ETS, CN) to IESG as Proposed Standard