

TRILL Working Group

TRansparent Interconnection of Lots of Links

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Agenda (1/3)

Pacifico Yokohama, Yokohama, Japan

Tuesday, November 3, 2015

15:20 – 16:50 Room 411/412

- 5 min. Administrativa (scribes), Agenda Bashing, Chairs
- 10 min. Status, Review of Milestones, Chairs
- 10 min. Directory Assisted Edge Status,
Donald Eastlake, Linda Dunbar
draft-ietf-trill-directory-assist-mechanisms-03
draft-ietf-trill-ia-appsubtlv-05
draft-ietf-trill-directory-assisted-encap-01
draft-ietf-trill-arp-optimization-01
- 15 min. Smart End Nodes, Fangwei Hu
draft-ietf-trill-smart-endnodes-02

Agenda (2/3)

- Tuesday TRILL WG Agenda Continued
 - 20 min. DCI using TRILL
Kingston Smiler, Mohammed Umair, Shaji Nathan
draft-muks-trill-dci-00
draft-muks-trill-transport-over-mpls-00
 - 15 min. TRILL over IP, Margaret Cullen, Dachang Zhang
Donald Eastlake, Mingui Zhang
draft-ietf-trill-over-ip-05
 - 10 min. TRILL ECN Proposal, Donald Eastlake

Agenda (3/3)

- **Thursday, November 5, 2015**

17:40 – 18:40 Room 303

- 15 min. Link Security

Donald Eastlake, Dacheng Zhang
draft-eastlake-trill-link-security-02

- 15 min. Multi-Topology / Multi-Level TRILL

Mingui Zhang, Donald Eastlake, Radia
Perlman

draft-ietf-trill-rbridge-multilevel-00
draft-ietf-trill-multilevel-single-nickname-00
draft-ietf-trill-multi-topology-00

- 15 min. Remote MAC Address Flush

Weiguo Hao, Donald Eastlake
draft-hao-trill-address-flush-00

- 5 min. Wrap-Up, Chairs

November

NETF TRILL WG

5

2015

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 Technology RFCs

(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”

Document Status

- In the RFC Editor's Queue:
 - draft-ietf-trill-aa-multi-attach-06.txt
 - draft-ietf-trill-cmt-11.txt
 - draft-ietf-trill-oam-mib-11.txt
 - draft-ietf-trill-pseudonode-nickname-07.txt
 - draft-ietf-trill-rfc7180bis-07.txt

Document Status

- Passed WG Last Call:
 - draft-ietf-trill-channel-tunnel-06.txt
 - draft-ietf-trill-directory-assist-mechanisms-03.txt
 - draft-ietf-trill-ia-appsubtlv-05.txt
 - draft-ietf-trill-irb-06.txt
 - draft-ietf-trill-tree-selection-01.txt

Document Status

- Other TRILL WG Drafts
 - draft-ietf-trill-arp-optimization-00.txt
 - draft-ietf-trill-centralized-replication-02.txt
 - draft-ietf-trill-mtu-negotiation-00.txt
 - draft-ietf-trill-multi-topology-00.txt
 - draft-ietf-trill-multilevel-single-nickname-00.txt
 - draft-ietf-trill-over-ip-04.txt
 - draft-ietf-trill-p2mp-bfd-00.txt
 - draft-ietf-trill-rbridge-multilevel-00.txt
 - draft-ietf-trill-resilient-trees-03.txt
 - draft-ietf-trill-smart-endnodes-01.txt
 - draft-ietf-trill-yang-03.txt
 - draft-ietf-trill-yang-oam-03.txt
 - draft-ietf-trill-yang-pm-02.txt

Please Read the Drafts!

Document Status

- Related Drafts in Other WGs
 - IDR WG: draft-ietf-idr-ls-trill-00.txt
- In Call for TRILL WG Adoption
 - draft-eastlake-trill-rfc6439bis-01.txt

Please Read the Drafts!

Major Efforts

- The current major (multi-document) specification efforts in the TRILL WG are as follows:
 - OAM – Requirements, Framework, and Base standards RFCs 6905, 7174, 7455, and 7456 published. trill-oam-mib in RFC Ed's queue. YANG drafts adopted.
 - Active-Active – Problem statement RFC 7379 published. 3 standards drafts approved by IESG and 2 in RFC Ed's queue (trill-cmt, trill-pseudonode-nickname, trill-aa-multi-attach)
 - Directory Assist / ARP&ND Optimization – Problem statement RFC 7067 published. Base standards drafts passed WG Last Call (trill-directory-assist-mechanisms, trill-ia-appsubtlv)
 - Multi-level/multi-topology – Drafts adopted by the WG (trill-rbridge-multilevel, trill-multi-topology, trill-multilevel-single-nickname)

Overdue and Future Milestones

- **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
- Aug 2015 Submit Multi-topology to IESG as Proposed Standard

- **Future Milestones**

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

Suggested Updated Milestones

- **Suggested Updated Milestones** (blue = new)
 - Dec 2015 Submit TRILL-over-IP to IESG for Proposed Standard
 - Dec 2015 Submit Directory Assistance Mechanisms to IESG for Proposed Standard
 - Jan 2016 Submit ARP/ND Optimization to IESG as Proposed Standard
 - Feb 2016 Submit Multilevel TRILL Informational draft to IESG for Proposed Standard
 - Mar 2016 Submit Multi-topology to IESG as Proposed Standard
 - Apr 2016 Initial WG draft on TRILL Implementation
 - May 2016 Initial WG draft on TRILL IS-IS Security
 - May 2016 Submit Multi-level to IESG as Proposed Standard
 - Nov 2016 Submit RBridge support of DCB (PFC, ETS, CN) to IESG as Proposed Standard
 - Jul 2017 Re-charter or shut down the WG