

# TRILL Working Group

TRansparent Interconnection of Lots of Links

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# Agenda (1/3)

## The Fairmont Dallas, Dallas, Texas

Wednesday, March 25, 2015

13:00 – 15:00 Continental Room

- 5 min. Administrivia (scribes), Agenda Bashing, Chairs
- 10 min. Document Status, Review of Milestones, Chairs
- 6 min. TRILL Active-Active Status/Summary  
Yizhou Li, Tissa Senevirathne, Hongjun Zhai,  
Mingui Zhang, Weiguo Hao  
draft-ietf-trill-aa-multi-attach-03  
draft-ietf-trill-cmt-06  
draft-ietf-trill-pseudonode-nickname-04  
draft-ietf-trill-centralized-replication-01

# Agenda (2/3)

- TRILL WG Agenda Continued
  - 5 min. Directory Assisted Edge Status,  
Donald Eastlake, Linda Dunbar  
draft-ietf-trill-directory-assist-mechanisms-01  
draft-ietf-trill-ia-appsubtlv-02  
draft-ietf-trill-directory-assisted-encap-00  
draft-yizhou-trill-arp-optimization-01
  - 9 min. RBridge Channel Tunnel, Donald Eastlake  
draft-ietf-trill-channel-tunnel-04
  - 12 min. Tree Selection, Yizhou Li  
draft-yizhou-trill-tree-selection-04
  - 12 min. Revision of Appointed Forwarder RFC, Donald Eastlake  
draft-eastlake-trill-rfc6439bis-00

# Agenda (3/3)

- TRILL WG Agenda Continued
  - 15 min. TRILL Over IP  
Margaret Wasserman, Dacheng Zhang,  
Donald Eastlake  
draft-ietf-trill-over-ip-02
  - 12 min. TRILL Link Security, Donald Eastlake  
draft-eastlake-trill-link-security-00
  - 15 min. Single Border RBridge Nickname, Mingui Zhang  
draft-zhang-trill-multilevel-single-nickname-00
  - 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”

# 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 Standards Track Link Protocols (see RFC 6325 for Ethernet)**

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

## **TRILL Related IANA RFCs**

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

# 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 AD / Expert Review
  - draft-ietf-trill-oam-mib-02.txt
- RFC Publication has been requested for:
  - draft-ietf-trill-aa-multi-attach-03.txt
  - draft-ietf-trill-cmt-06.txt
  - draft-ietf-trill-pseudonode-nickname-04.txt
  - draft-ietf-trill-rfc7180bis-04.txt

**Please read the drafts!**

# Document Status

- Other TRILL WG Drafts
  - draft-ietf-trill-centralized-replication-01.txt
  - draft-ietf-trill-channel-tunnel-04.txt
  - draft-ietf-trill-directory-assist-mechanisms-01.txt
  - draft-ietf-trill-ia-appsubtlv-02.txt
  - draft-ietf-trill-irb-03.txt
  - draft-ietf-trill-over-ip-02.txt
  - draft-ietf-trill-resilient-trees-02.txt
  - draft-ietf-trill-smart-endnodes-00.txt
  - draft-ietf-trill-yang-00.txt
  - draft-ietf-trill-yang-oam-00.txt
  - draft-ietf-trill-yang-pm-00.txt
  - draft-yizhou-trill-arp-optimization-01.txt

**Please Read the Drafts!**

# Major Effort Priorities

- The Co-Chairs believe that the relative priority of the current major (multi-document) specification efforts in the TRILL WG is as below.
  1. OAM – Base RFCs 7455 and 7456 published. MIB / YANG documents in process.
  2. Active-Active – Base cluster of documents now in the IESG (trill-cmt, trill-pseudonode-nickname, and trill-aa-multi-attach)
  3. Directory Assist / ARP&ND Optimization

# 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
- **Overdue Milestones**
  - Dec 2014 Submit TRILL-over-IP to IESG for Proposed Standard

# Current Milestones (cont.)

- **Future Milestones**

- 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
- Dec 2015 Submit RBridge support of DCB (PFC, ETS, CN) to IESG as Proposed Standard
- Aug 2016 Re-charter or shut down the WG