

TRILL Working Group

TRansparent Interconnection of Lots of Links

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Agenda

Grand Hyatt Hotel, Taipei, Taiwan

Session 1, Tuesday 1300-1500, Room 102

Session 2, Wednesday 1510-1610, Room 101B

- Introduction, Chairs
- TRILL Edge Section
- TRILL Link Technology Section
- TRILL Protocol Section
- TRILL OAM Section
- Wrap-Up, Chairs

Agenda 1/3

- Introduction, Chairs
 - 5 min. Administrivia (scribes etc), Agenda Bashing, Chairs
 - 7 min. Review of Milestones, Doc Status, IPR, Code Point Alloc, Chairs
- TRILL Edge Section
 - 17 min. Pseudonode Nickname, Hongjun Zhai, Radia Perlman
draft-hu-trill-pseudonode-nickname-00.txt
 - 17 min. Rbridge Aggregation / VLAN Assignment, Mingui Zhang
draft-zhang-trill-aggregation-01.txt
draft-zhang-trill-vlan-assignment-02.txt
 - 15 min. Multi-homing Connectivity to TRILL Network,
Janardhanan Pathangi Narasimhan
 - 12 min. Directory Assisted TRILL Edge/Encapsulation, Linda Dunbar
draft-dunbar-trill-directory-assisted-edge-03.txt
draft-dunbar-trill-directory-assisted-encap-01.txt

Agenda 2/3

- TRILL Link Technology Section
 - (Ethernet Links: RFC 6325)
 - (PPP Links: RFC 6361)
 - 9 min. TRILL over MPLS PSN, Lucy Yong, Donald Eastlake
draft-yong-trill-trill-o-mpls-00.txt
 - 13 min. TRILL over IP, Margaret Wasserman, Dacheng Zhang
draft-mrw-trill-over-ip-00.txt
- TRILL Protocol Section
 - 12 min. Clarifications and Corrections / RFC6326bis, Donald Eastlake
draft-eastlake-trill-rbridge-clear-correct-01.txt
draft-eastlake-isis-rfc6326bis-01.txt
 - 12 min. MTU Negotiation, Mingui Zhang
draft-zhang-trill-mtu-negotiation-01.txt
 - 7 min. TRILL Header Extension, Donald Eastlake
draft-ietf-trill-rbridge-extension-00.txt

Agenda 3/3

- TRILL OAM Section
 - 12 min. ICMP based OAM Solution for TRILL, Tissa Senevirathne
draft-tissa-trill-oam-00.txt
 - 12 min. OAM Tool for Multi-Destination Path, Yizhou Li
draft-yizhou-trill-multi-destinaiton-ping-01.txt
- Wrap-Up, Chairs
 - 5 min. Wrap-Up, Chairs

New Goals and Milestones

- COMPLETED
 - (Many earlier milestones not listed.)
 - Initial WG draft on VLAN Mapping
 - Initial WG draft TRILL Header Options
 - Submit TRILL adjacency state machine to IESG for publication as Proposed Standard
 - Submit RBridge MIB module to IESG for publication as Proposed Standard
 - Initial WG draft on RBridge OAM

Goals and Milestones (cont.)

- OVERDUE

- Mar 2011 Submit TRILL Header Options to IESG for publication as Proposed Standard
- Mar 2011 Initial WG draft on ARP/ND opt.
- May 2011 Submit TRILL ARP/ND optimizations to IESG for publication as Proposed Standard
- Jun 2011 Submit RBridge support of DCB to IESG for publication as Proposed Standard
 - draft-eastlake-trill-rbridge-dcb-02.txt
- Jul 2011 Submit RBridge OAM to IESG for publication as Proposed Standard

Goals and Milestones (cont.)

- FUTURE
 - Jul 2012 Re-charter or shut down the WG

Document Status

RFCs

- RFC 5556, “TRILL: Problem and Applicability Statement”
- RFC 6165, “Extensions to IS-IS for Layer-2 Systems”
- RFC 6325, “RBridges: Base Protocol Specification”
- RFC 6326, “TRILL Use of IS-IS”
- RFC 6327, “RBridges: Adjacency”
- RFC 6328, “IANA Considerations for NLPIDs”
- RFC 6361, “PPP TRILL Protocol Control Protocol”

Document Status

In RFC Editor's Queue

- RBridges: Appointed Forwarders

In IETF Last Call

- Definitions of Managed Objects for RBridges

Other OAM Drafts

- The following drafts depend on RBridge channel:
 - draft-ietf-trill-rbridge-bfd-01.txt, Vishwas Manral
 - draft-ietf-trill-rbridge-oam-01.txt, David Bond
- **Please read the drafts (and not just the two above) !**

Open Source Implementations

- Oracle: TRILL for Solaris



- <http://hub.opensolaris.org/bin/view/Project+rbridges/WebHome>

- Port to Linux (in process):
National University of Sciences and Technology
(NUST), Islamabad,
Pakistan



- <http://www.wisnet.seecs.nust.edu.pk/people/~khayam/index.php>

TRILL Base Protocol

Non-IETF Code Points

- Ethertypes and Multicast Addresses Block have been allocated by the IEEE Registration Authority:
 - Ethertypes
 - TRILL = 0x22F3, L2-IS-IS = 0x22F4
 - Multicast Addresses
 - 01-80-C2-00-00-40 All-RBridges
 - 01-80-C2-00-00-41 All-IS-IS-RBridges
 - 01-80-C2-00-00-42 All-ESADI-RBridges/All-Egress-RBridges
 - 01-80-C2-00-00-43 to 01-80-C2-00-00-4F Unassigned
- NLPID – Network Layer Protocol ID
 - 0xC0 has been allocated for TRILL.