TRILL Working Group

TRansparent Interconnection of Lots of Links

Mailing list: rbridge@postel.org
Tools site: http://tools.ietf.org/wg/trill/
Website: http://www.postel.org/rbridge

Co-Chairs:
Erik Nordmark  Donald E. Eastlake, 3rd
erik.nordmark@cisco.com  d3e3e3@gmail.com

Area Director: Ralph Droms

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Agenda

Le Palais des Congres de Paris, Paris, France
Session 1, Monday 0900-1130, Room 241
Session 2, Friday 1120-1220, Room 242AB

• Introduction, Chairs
• OAM
• Directory Assisted Edge
• Other Drafts
• Link Protocols
• Friday OAM Discussion
• Data Center Interconnect
• Wrap-Up, Chairs
Agenda 1/3

• Introduction, Chairs
  – 5 min. Administrativia (scribes etc), Agenda Bashing, Chairs
  – 5 min. Review of Milestones, Doc Status, Open Source Chairs

• OAM Section
  – 10 min. ICMP based OAM Solution for TRILL, Tissa Senevirathne
draft-tissa-trill-oam-03.txt
  – 15 min. Proactive connectivity monitoring for TRILL, Rohit Watve
draft-rohit-trill-proactive-oam-00.txt
  – 15 min. RBridge OAM Support, David Bond, Thomas Narten
draft-ietf-trill-rbridge-oam-02.txt
  (draft-yizhou-trill-multi-destination-ping-01 not presented)
  – 20 MIN. OAM Discussion, Thomas Narten, Tissa Senevirathne

• Directory Assisted Edge
  – 10 min. Directory Assisted TRILL Edge, Linda Dunbar
draft-dunbar-trill-directory-assisted-edge-05.txt
Agenda 2/3

• Other Drafts
  – 15 min. Coordinated Multicast Trees for TRILL, Tissa Senevirathne
draft-tissa-trill-cmt-00.txt
  – 15 min. Default Nickname Based Approach for Multilevel TRILL,
Tissa Senevirathne
draft-tissa-trill-multilevel-00.txt
  – 15 min. VLAN Based Tree Selection for MultiDestination Frames,
Yizhou Li, Weiguo Hao
draft-yizhou-trill-tree-selection-00.txt
  – 15 min. TRILL ESADI Protocol, Hongjun Zhai, Fangwei Hu
draft-hu-trill-rbridge-esadi-03.txt
  – 10 min. TRILL MTU Negotiation, Mingui Zhang
draft-zhang-trill-mtu-negotiation-02.txt

• Link Protocols
  – 10 min. Liaison to IEEE 802.11 re TRILL in 802.11 mesh
Donald Eastlake
Agenda 3/3

FRIDAY

- OAM Discussion
  - 25 min. OAM Review and Discussion

- Data Center Interconnect
  - 10 min. PBB EVPN, Ali Sajassi
draft-sajassi-l2vpn-pbb-evpn-03.txt
  - 10 min. TRILL Data Center Interconnect, Sam Aldrin,
draft-aldrin-trill-data-center-interconnect-00.txt
  - 10 min. Connecting Disparate DC/PBB/Campus TRILL sitew with BGP
  Bhargav Bhikkaji, Alaji Vankataswami
draft-balaji-trill-over-ip-multi-level-03.txt

- Wrap-Up
  - 5 min. Chairs
New Goals and Milestones

• COMPLETED
  – (Many earlier milestones not listed.)
  – Initial WG draft on VLAN Mapping
  – 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 Extensions 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-03.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
TRILL WG Mailing List

• The TRILL WG Mailing List may be moving soon from

  – rbridge@postel.org
  – To trill@ietf.org

  – Thanks to Joe Touch for maintaining the mailing list in the past.
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 NLPIIDs”
• RFC 6361, “PPP TRILL Protocol Control Protocol”

New since last IETF Meeting:

• RFC 6439, “RBridges” Appointed Forwarders”
In IESG Consideration
• Definitions of Managed Objects for Rbridges
  – draft-ietf-trill-rbridge-mib-06.txt

Passed WG Last Call
  – draft-ietf-trill-rbridge-bfd-03.txt
  – draft-ietf-trill-rbridge-channel-05.txt
  – draft-ietf-trill-rbridge-extension-03.txt
Document Status

Other WG Drafts

– draft-ietf-trill-clear-correct-01.txt (in WGLC)
– draft-ietf-trill-fine-labeling-00.txt
– draft-ietf-trill-rbridge-oam-02.txt
– draft-ietf-trill-rbridge-options-06.txt
– draft-ietf-trill-rbridge-vlan-mapping-06.txt

Please read the drafts!
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
  – Ali Khayam, Associate Professor
  – http://www.wisnet.seecs.nust.edu.pk/people/~khayam/index.php