

Proposed TRILL Charter Update

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Time for Re-charter

- We have completed all the items in our charter
- Means it is time to re-charter
- This is some proposed text to solicit comments from the WG
- Once the WG is happy with it we will ask our AD for comments

Description of Working Group

The TRILL WG has specified a solution for shortest-path frame routing in multi-hop IEEE 802.1-compliant Ethernet networks with arbitrary topologies, using an existing link-state routing protocol technology and encapsulation with a hop count. [Add reference to RFC?]

The current work of the working group is around operational and deployment support for the protocol. This includes a MIB and other pieces needed for operations, but also extensions to handle the characteristics of the networks in which there is a desire to deploy TRILL.

Items

The WG will work on the following items:

(1) A MIB for TRILL which specifies the unique pieces needed for the protocol while reusing what is in the IS-IS MIB and the Bridge MIB for pieces that are not unique to TRILL.

(2) Support for VLAN mapping between different regions of an Rbridge campus that will require configuration only at border RBridges.

Items

(3) Refinement of the TRILL Header Options feature and specification of an initial base set of options.

(4) Write up how Operations and Management (OAM) will be handled in networks using TRILL.

(5) Determine how TRILL will support the various pieces of the IEEE 802.1 "Data Center Bridging" cluster of standards.

Completed Goals and Milestones

Done - Submit base protocol specification to IEEE/IETF expert review

Done - Base protocol specification submitted to the IESG for publication as a Proposed Standard RFC

Done - First draft showing what is needed for MIB

Jul 2010 - Re-charter or shut down the WG

Added goals and milestones

Done - Initial WG draft on VLAN Mapping

Done - Initial WG draft TRILL Header Options

??? 2010 - Submit VLAN Mapping to IESG for publication as Proposed Standard

??? 2010 - Submit RBridge MIB to IESG for publication as Proposed Standard

??? 2010 - Submit TRILL Header Options to IESG for publication as Proposed Standard

??? 2010 - Initial WG draft for RBridge support of Data Center Bridging

??? 2010 - Initial WG draft on RBridge OAM