

TRILL Smart Endnode

draft-ietf-trill-smart-endnode-06.txt

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Motivation

- The motivation for this proposal
 - Save endnode learning table (MAC, RB, data label) space in the edge RBs
 - Quickly refresh the endnode table.
 - Supports fine grained label aware end station.

History

- Presented in the IETF 86th, IETF 88th, IETF 91st, IETF 94th, IETF 95th, IETF 98th meeting
- Adopted as workgroup draft in December 2012
- The current status:
 - WG Consensus: Waiting for Write-Up

Changes from the Last Presentation(I)

- Clarify that smart-hello is a type of TRILL ES-IS specified on [RFC 8171] other than TRILL-hello formatted as a native RBridge Channel [RFC7178]
 - TRILL Hellos has limited capacity and cannot generally be fragmented
 - TRILL ES-IS is usually used between the endnodes and RBidges

Changes from the Last Presentation(II)

- Clarify that only the pull directory method is available, and the push directory (ESADI) is not supported for the smart endnodes to populate the (MAC address, nickname, Data label) entries .
 - Smart End Stations can not support ESADI and can not send ESADI LSP
 - There is some security issues for the endnode to deal with ESADI messages.

Changes from the Last Presentation(II)

- Clearly specify the multiple-entries solution to solve the mac-flip issue in the multi-homing scenario.
- Add TRILL ES-IS to the terminology section

Next Step

- Is it ready for publication?

Thanks!