
TRILL over Pseudo Wire (PW)

draft-yong-pwe3-trill-o-pw

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Problem Statement

- TRILL Switches [RFC6325] need to interconnect over MPLS backbone networks
 - A TRILL network typically is deployed in a DC or a campus, but DC and campus may be at several sites
 - Pseudo wire (PW) can be used to transparently interconnect TRILL switches at different sites

About this draft

- Propose PW solution for TRILL switches interconnecting over MPLS networks
 - TRILL protocol works with arbitrary link protocols
 - Suggest using PPP o/ PW [RFC4618] or Ethernet o/ PW [RFC4448] for TRILL interconnection
 - fully leverage existing technology
 - no need for a new type of PW
 - no change to the TRILL or PW standard
 - just specify how they are used in this case
 - commonly used link protocols

Others in the draft

- Describes the process procedures at TRILL switch
- Specify the auto-configuration process
- Discuss security considerations

Next Step

- Welcome comment and feedback on this
- Seek WG adoption of this