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