



Notes from LLDP over LAG concall

Joe Pelissier

With many thanks to Anoop Ghanwani for sharing his excellent notes 😊

January, 2010

new-pelissier-laglldp-0110

LLDP & Link Aggregation

- Background

In the November IEEE 802.1 meeting, it was clear that there was confusion over how LLDP is to operate over an aggregated link

Is there one LLDP session per physical link?

Is there one LLDP session for the aggregated link?

Are there both?

- Joe Pelissier agreed to arrange an informal conference call of interested parties to discuss

This is a summary of that call

LLDP & Link Aggregation

- Conesus:
 - LLDP must be able to run on individual links.
 - LLDP may run over the aggregate.
 - Necessary to determine topology with link aggregation through TPRs
 - Norm to provide some material on this
 - We need a way to disambiguate the aggregate
 - Paul will have a contribution on this
- For DCBX:
 - For each TLV, we need to figure out whether to run it on individual links or aggregate.
 - Also need to determine convergence in case of a conflict
- May need to look at other TLVs, e.g. VLAN TLV
 - Does it makes sense to send it on the individual link or the aggregate.
- Manoj brought up the issue of end station problems with link aggregation
 - Not LLDP specific just general problems such as stateful offloads and link aggregation
 - Separate problem from the one under discussion here.