Application TLV Thoughts

Joe Pelissier
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Background

- The application TLV provides an indication of which priority should be used for which protocols
  e.g. Please put iSCSI on Priority 5

- It makes sense for a bridge to provide this information to an end station
  Provides basic boot information without requiring the end station to contact the network management entity

- Does this make sense in any other case?
  More specifically, does it make sense for any device to configure its application to priority assignments for any case other than bridge to end station
Application TLV: Endstation to Bridge

- What would a bridge do with this?

  The bridge does not create any traffic, so it never needs to stick a priority on a frame

  The bridge may re-map priorities, but this is based on priority, not application or protocol

  Expanding to this seems to go far beyond any of our PARs
Application TLV: Other cases

- **Bridge to Bridge**
  
  Again, bridges do not generate traffic. I do not believe we want to invent a capability to remap priorities based on protocol

- **End Station to End Station**
  
  A two node network is a bit outside the scope of DCB. There seems little benefit to adding any complexity to support this case.
Application TLV: Recommendation

- Add a bit that indicates if the source of the TLV is a bridge.
- An end station receiving an Application TLV from a bridge is permitted to use the data in the TLV to configure its protocol to priority associations.

  In all other cases, it is prohibited to use the data in the received TLV to configure the protocol to priority associations.
Thank You!