Distribution of MPLS-TE Extended admin Group Using BGP

draft-wang-idr-eag-distribution-00

Michael Wang

Qin Wu

Problem to be solved

– When a node wants to advertise more than 32 colors for a link, the current Administrative group TLV defined in RFC5305 and RFC3630 **cannot be supported even though IGP TE supports**

  - [RFC7308] Provides IGP TE extensions for "Extended Administrative Group". This extension allows for additional administrative groups (link colors) beyond the current limit of 32.

– There is no BGP-LS extension that is used to carry "Extended Administrative Group"

  - (I.D-ietf-idr-ls-distribution)

Our proposal for MPLS-TE Extended admin Group Using BGP

- Objective
  - Proposes new BGP Link attribute TLV to carry Extended Admin Group.
  - Use the same format and semantic of IGP based Extended Admin Group defined in RFC7308.
  - No new behavior to be defined for BGP nodes

TLV Code Point	Description	IS-IS TLV/Sub-TLV	Defined in:
xxxx	Extended Admin Group	22/xx	[RFC7308]

Table 1: 'EAG' Link Attribute TLV

Next Step

- Discussion on the list:
  - Thanks for Jeff, Eric, Hannes and others for review and comments.
  - A lot of discussion on merging into BGP-LS
  - Chairs suggest moving this to secondary document
- WG action?