Advancing add-path

Jeffrey Haas, et seq.

jhaas@juniper.net

add-path current status

- The base BGP add-path feature is well deployed and interoperable at this point:
  - Alcatel-Lucent
  - Cisco
  - Juniper
  - (and probably others…)

add-path concerns

- During the development of the add-path feature, there were a number of concerns about how the feature would behave from a route-selection standpoint.

- Those issues are much better understood these days. Many are documented in draft-ietf-idr-add-paths-guidelines.

eBGP and add-path

- draft-pmohapat-idr-fast-conn-restore is currently a NORMATIVE reference in the base add-path document.

- The Edge_Discriminator Path Attribute documented in that I-D is required for BGP to perform consistent path selection for eBGP routes distributed in Add-Path.

- There are no implementations of this feature?

Advancing add-path

- Operators are clearly seeing benefit from the add-path feature, even without the Edge_Discriminator feature.

- Introducing that feature has the usual incremental BGP deployment pain points.

- Should the feature be removed as a normative reference so the add-path feature can advance and get published as an RFC?

Discussion