IDR FSv2 Interim Design Team 2: Interface Sets in FSv1 actions

5/6/2024

Time: 10-11:30am ET

Next on Agenda for Design Team 2 (DT2)
FSv2 – More IP Filters

---

5) Group by Action - FSv1 Interface set [5 minutes]

draft-ietf-idr-flowspec-interfaceset-05 [Hares or Haas]

Applying BGP Flow Spec rules on a specific interface set

draft-ietf-idr-flowspec-interfaceset-05

authors: S. Litkowski, Adam Simpson, Keyur Patel, Jeff Haas, L. Yong

Filters: Any filter

Group identifiers: set by configuration

Match Action:

- **If bit O –** filter rules must apply in the outbound for interfaces identified by
- **If bit I –** filter rules must apply in the outbound for interfaces identified by

Focus: Combination approach

Filters + interface group + direction

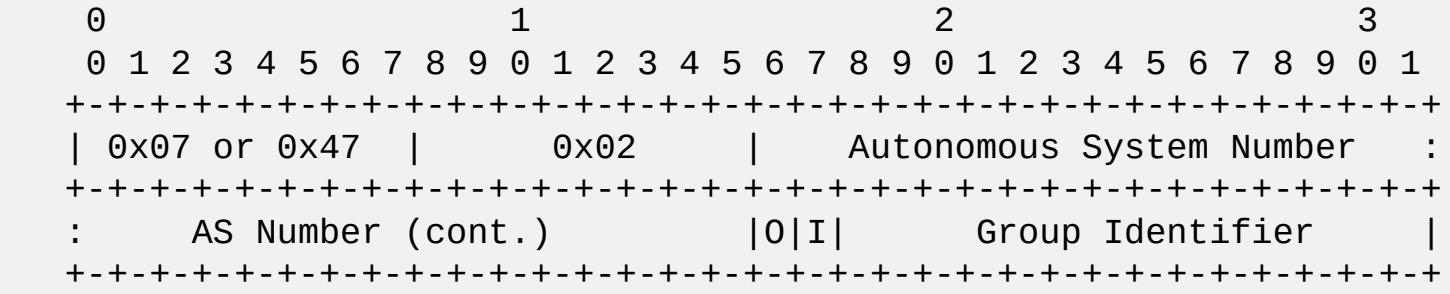
Example for Interface groups

- **Group 1:** Internet customer interfaces
- **Group 2:** VPN customer interfaces
- **Group 3:** All customer interfaces
- **Group 4:** Peer Interfaces
- **Group 5:** Transit interfaces
- **Group 6:** All external provider interfaces
- **Group 7:** All in interfaces

Applying BGP Flow Spec rules on a specific interface set

draft-ietf-idr-flowspec-interfaceset-05 [2]

Encoding of Extended Community



Where:

- **Autonomous System Number – 4 octets**
- **O** – 1 bit indicates if FSv1 filters apply for this interface set in the **outbound** direction
- **I** – 1 bit indicates if FSv1 filters apply for this interface set in the **inbound** direction
- **Group identifier** – configure identifier for a set of interfaces

Questions?

Next on Agenda for Design Team 2 (DT2)
FSv2 – More IP Filters

6) Emerging filters by Groups [15 minutes]

6a) CATS [5 minutes] [TBD] -

[draft-lin-idr-cats-flowspec-ts]

6b) SAVnet [5 minutes] Nan Geng

[draft-geng-idr-flowspec-sav-03]

6c) APN – [5 minutes] [TBD]

[draft-peng-idr-apn-bgp-flowspec-00]