draft-ietf-idr-flowspec-interfaceset-02

S. Litkowski
J. Haas
K. Patel
A. Simpson
L. Yong

IETF 97 Seoul
Goal and how

• We want to apply selectively filtering rules to specific sets of interfaces within the network and specify the direction of the filter

• An extended CT is used for that purpose

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| : Group Identifier (cont.) |
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Changes since last presentation

• Interface-set cannot be classified as an FS action:
  – We introduce the notion of SCOPE for an FS rule

• Encoding « payload » hasn’t change but we now use a BGP Route Target extended community
  – We propose to create a new registry for Flowspec Extended communities
  – The « interface-set » is part of this new proposed registry (proposed subtype 0x02 -> usual RT subtype)
  – Using an RT allows for constrained route distribution
Changes since last presentation

• We changed the description of the interaction with permanent rules (ACL ...):
  – We try to be more generic
    • On inbound processing pipe, FS rule with interface-set should be applied after all existing inbound features and before forwarding lookup
    • On outbound processing pipe, FS rule with interface-set should be applied after all existing outbound features and then after forwarding lookup
  – We reference as information the work on Flowspecv2
Next steps

• We welcome comments!

• Go to early allocation of code points

• Start implementation prototypes