



I E T F[®]

draft-ietf-idr-flowspec-interfaceset-02

S. Litkowski

J. Haas

K. Patel

A. Simpson

L. Yong

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

```
      0      1      2      3      4      5      6      7
+----+----+----+----+----+----+----+----+
| O | I | Group Identifier      :
+----+----+----+----+----+----+----+
: Group Identifier (cont.)    |
+----+----+----+----+----+----+----+
```

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