## Splitting Flow Specification V2 draft-ietf-idr-flowspec-v2 draft-hares-idr-flowspec-v2-DDOS

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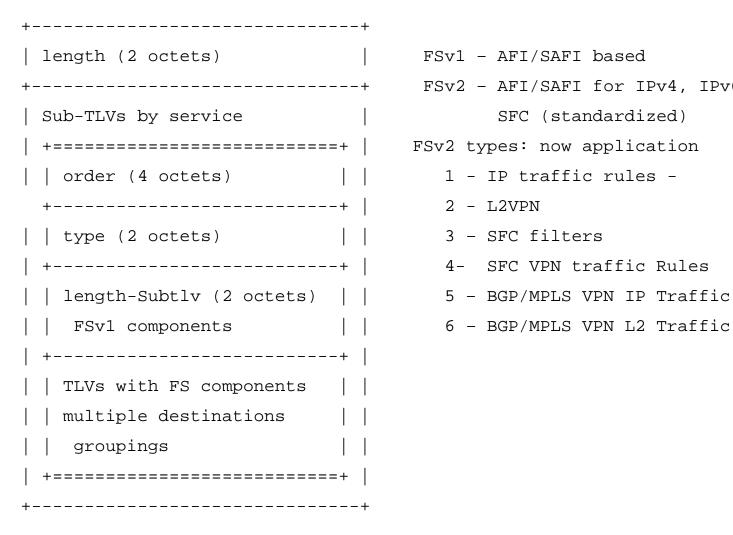
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## History

- WG said FSv1
  - Use case: only DDOS
  - Packet Format: no header changes
- WG FSv2 two use cases DDOS + directed Filters
  - Matches TLVs with User Ordering of matches (groups of prefixes)
  - Actions in Extended Communities limited
  - Action in "Community Container" in Wide Community draft new Type
  - Yang modules for responses or errors
- IDR Wide Communities returned to WG

## Why Split

- Feedback from Implementations too much to implement at once
  - Will keep WG draft as full source
  - Will do splits based on feedback from implementers
- Highest priority DDOS enhanced
  - TLV format for types
  - Actions Only Extended Community Matches Redirect \*
- Questions
  - What happens if match fails DDOS case + Direct Filters cae



- FSv1 AFI/SAFI based
- FSv2 AFI/SAFI for IPv4, IPv6 + VPNS

SFC (standardized)

- | | 1 IP traffic rules -

  - | | 3 SFC filters
- | | 6 BGP/MPLS VPN L2 Traffic

## Need input for implementers

- Must get top-level correct
- Trade-offs depend on implementation
  - Open source
  - FSv1  $\rightarrow$  FSv2 vendors



