

Dissemination of Flow Specification Rules for L2 VPN

draft-ietf-idr-flowspec-l2vpn-01

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History

draft-hao-idr-flowspec-l2vpn-00

Presented in 91st IETF and received some comments:

- A new SAFI for L2VPN flow-spec application is not suggested.
- Should consider more scenarios like QinQ, SNAP, etc

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Make revisions for the comments

- SAFI 134 is redefined for of VPN flow specification rules.
- Add additional component types for QinQ, SNAP, etc

Close to 92nd IETF: Adopted as WG draft of 'draft-ietf-idr-flowspec-l2vpn-00'

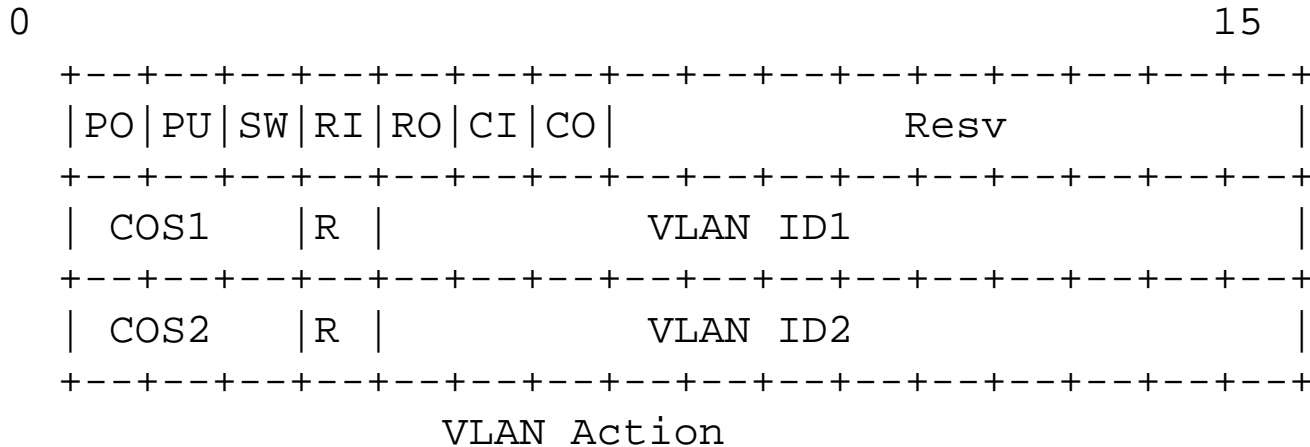
Updates since draft-ietf-idr-flowspec- l2vpn-00

Traffic Actions:

Add VLAN action and TPID action.

type	extended community	encoding
0x800A	VLAN-action	bitmask
0x800B	TPID-action	bitmask

Updates con. (VLAN Action)



PO: Pop action.

PU: Push action.: push VLAN is VLAN ID1.

SW: Swap action.

RI: Rewrite inner VLAN action. The new VLAN is VLAN ID1.

RO: Rewrite outer VLAN action. The new VLAN is VLAN ID2.

CI: Mapping inner COS action.

The new COS is COS1.

CO: Mapping outer COS action.

The new COS is COS2.

Resv: Reserved for future use.

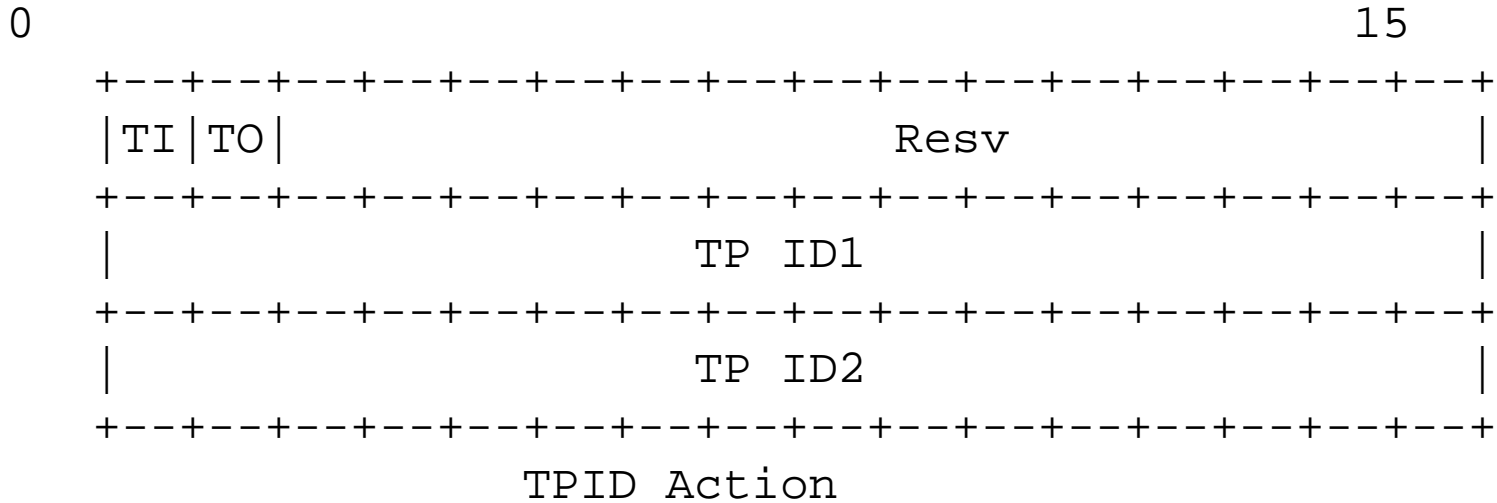
COS1: 3 bits. COS value.

COS2: 3 bits. COS value.

VLAN ID1: 12 bits. VLAN ID value.

VLAN ID2: 12 bits. VLAN ID value.

Updates con. (TP ID Action)



TI: Mapping inner TP ID action. The new TP ID is TP ID1.

TO: Mapping outer TP ID action. The new TP ID is TP ID2.

Next Step

- Redirect to MAC VRF
- Flowspec to a specific interface(s)
- Other suggestions?