Configuring IGMP Snooping

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Configuring IGMP Snooping Over VXLAN

Overview of IGMP Snooping Over VXLAN

By default, multicast traffic over VXLAN is flooded in the VNI/VLAN like any broadcast and unknown unicast traffic. With IGMP snooping enabled, each VTEP can snoop IGMP reports and only forward multicast traffic towards interested receivers.

The configuration of IGMP snooping is the same in VXLAN as in the configuration of IGMP snooping in a regular VLAN domain. For more information on IGMP snooping, see the *Configuring IGMP Snooping* section in the Cisco Nexus 9000 Series NX-OS Multicast Routing Configuration Guide, Release 7.x.

Guidelines and Limitations for IGMP Snooping Over VXLAN

See the following guidelines and limitations for IGMP snooping over VXLAN:

- IGMP snooping over VXLAN is not supported on VLANs with FEX member ports.
- IGMP snooping over VXLAN is supported with both IR and multicast underlay.
- IGMP snooping over VXLAN is supported in BGP EVPN topologies, not flood and learn topologies.

Configuring IGMP Snooping Over VXLAN

SUMMARY STEPS

1. switch# **configure terminal**
2. switch(config)#**ip igmp snooping vxlan**
3. switch(config)#**ip igmp snooping disable-nve-static-router-port**

DETAILED STEPS

Procedure

	Command or Action	Purpose
Step 1	switch# **configure terminal**	Enters global configuration mode.
Step 2	switch(config)#**ip igmp snooping vxlan**	Enables IGMP snooping for VXLAN VLANs. You have to explicitly configure this command to enable snooping for VXLAN VLANs.
Step 3	switch(config)#**ip igmp snooping disable-nve-static-router-port**	Configures IGMP snooping over VXLAN to not include NVE as static mrouter port using this global CLI command. IGMP snooping over VXLAN has the NVE interface as mrouter port by default.