

pretera devlink support

This document describes the devlink features implemented by the `pretera` device driver.

Driver-specific Traps

List of Driver-specific Traps Registered by `pretera`

Name	Type	Description
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Name	Type	Description
arp_bc	trap	Traps ARP broadcast packets (both requests/responses)
is_is	trap	Traps IS-IS packets
ospf	trap	Traps OSPF packets
ip_bc_mac	trap	Traps IPv4 packets with broadcast DA Mac address
stp	trap	Traps STP BPDU
lacp	trap	Traps LACP packets
lldp	trap	Traps LLDP packets
router_mc	trap	Traps multicast packets
vrrp	trap	Traps VRRP packets
dhcp	trap	Traps DHCP packets
mtu_error	trap	Traps (exception) packets that exceeded port's MTU
mac_to_me	trap	Traps packets with switch-port's DA Mac address
ttl_error	trap	Traps (exception) IPv4 packets whose TTL exceeded
ipv4_options	trap	Traps (exception) packets due to the malformed IPV4 header options
ip_default_route	trap	Traps packets that have no specific IP interface (IP to me) and no forwarding prefix
local_route	trap	Traps packets that have been send to one of switch IP interfaces addresses
ipv4_icmp_redirect	trap	Traps (exception) IPV4 ICMP redirect packets
arp_response	trap	Traps ARP replies packets that have switch-port's DA Mac address
acl_code_0	trap	Traps packets that have ACL priority set to 0 (tc pref0)
acl_code_1	trap	Traps packets that have ACL priority set to 1 (tc pref1)
acl_code_2	trap	Traps packets that have ACL priority set to 2 (tc pref2)
acl_code_3	trap	Traps packets that have ACL priority set to 3 (tc pref3)
acl_code_4	trap	Traps packets that have ACL priority set to 4 (tc pref4)
acl_code_5	trap	Traps packets that have ACL priority set to 5 (tc pref5)
acl_code_6	trap	Traps packets that have ACL priority set to 6 (tc pref6)
acl_code_7	trap	Traps packets that have ACL priority set to 7 (tc pref7)
ipv4_bgp	trap	Traps IPv4 BGP packets
ssh	trap	Traps SSH packets
telnet	trap	Traps Telnet packets
icmp	trap	Traps ICMP packets
rxdma_drop	drop	Drops packets (RxDMA) due to the lack of ingress buffers etc.
port_no_vlan	drop	Drops packets due to faulty-configured network or due to internal bug (config issue).
local_port	drop	Drops packets whose decision (FDB entry) is to bridge packet back to the incoming port/trunk.
invalid_sa	drop	Drops packets with multicast source MAC address.
illegal_ip_addr	drop	Drops packets with illegal SIP/DIP multicast/unicast addresses.
illegal_ipv4_hdr	drop	Drops packets with illegal IPV4 header.
ip_uc_dip_da_mismatch	drop	Drops packets with destination MAC being unicast, but destination IP address being multicast.
ip_sip_is_zero	drop	Drops packets with zero (0) IPV4 source address.
met_red	drop	Drops non-conforming packets (dropped by Ingress policer, metering drop), e.g. packet rate exceeded configured bandwidth.