

ethernet-switching-options

Syntax ethernet-switching-options {
 analyzer {
 name {
 loss-priority *priority*;
 ratio *number*;
 } input {
 ingress {
 interface (all | *interface-name*);
 vlan (*vlan-id* | *vlan-name*);
 }
 egress {
 interface (all | *interface-name*);
 }
 } output {
 interface *interface-name*;
 vlan (*vlan-id* | *vlan-name*);
 }
 }
 bpdu-block {
 interface (all | [*interface-name*]);
 disable-timeout *timeout*;
 }
 dot1q-tunneling {
 ether-type (0x8100 | 0x88a8 | 0x9100)
 }
 redundant-trunk-group {
 group-name *name* {
 interface *interface-name* <primary>;
 interface *interface-name*;
 }
 }
 secure-access-port {
 dhcp-snooping-file {
 location *local_pathname* | *remote_URL*;
 timeout *seconds*;
 write-interval *seconds*;
 }
 interface (all | *interface-name*) {
 allowed-mac {
 mac-address-list;
 }
 (dhcp-trusted | no-dhcp-trusted);
 mac-limit *limit* action *action*;
 no-allowed-mac-log;
 static-ip *ip-address* {
 vlan *vlan-name*;
 }
 }
 }
}

```

        mac mac-address;
    }
}
vlan (all | vlan-name) {
    (arp-inspection | no-arp-inspection);
    dhcp-option82 {
        circuit-id {
            prefix hostname;
            use-interface-description;
            use-vlan-id;
        }
        remote-id {
            prefix hostname | mac | none;
            use-interface-description;
            use-string string;
        }
        vendor-id [string];
    }
    (examine-dhcp | no-examine-dhcp);
    (ip-source-guard | no-ip-source-guard);
    mac-move-limit limit action action;
}
}
storm-control {
    interface (all | interface-name) {
        level level;
        no-broadcast;
        no-unknown-unicast;
    }
}
traceoptions {
    file filename <files number> <no-stamp> <replace> <size size> <world-readable |
    no-world-readable>;
    flag flag <disable>;
}
unknown-unicast-forwarding {
    vlan (all | vlan-name) {
        interface interface-name;
    }
}
}
voip {
    interface (all | [interface-name | access-ports]) {
        vlan vlan-name ;
        forwarding-class <assured-forwarding | best-effort | expedited-forwarding |
        network-control>;
    }
}
}
}

```

Hierarchy Level [edit]

Release Information Statement introduced in JUNOS Release 9.0 for EX-series switches.
Support for storm control and BPDU protection added in JUNOS Release 9.1 for EX-series switches.
Option `ip-source-guard` added in JUNOS Release 9.2 for EX-series switches.
Options `dhcp-option82`, `dot1q-tunneling`, and `no-allowed-mac-log` added in JUNOS Release 9.3 for EX-series switches.
Option `dhcp-snooping-file` introduced in JUNOS Release 9.4 for EX-series switches.

Description Configure Ethernet switching options.

The remaining statements are explained separately.

Required Privilege Level routing—To view this statement in the configuration.
routing-control—To add this statement to the configuration.

Related Topics

- Understanding BPDU Protection for STP, RSTP, and MSTP on EX-series Switches
- Port Mirroring on EX-series Switches Overview
- Port Security for EX-series Switches Overview
- Understanding Redundant Trunk Links on EX-series Switches
- Understanding Storm Control on EX-series Switches
- Understanding 802.1X and VoIP on EX-series Switches
- Understanding Q-in-Q Tunneling on EX-series Switches
- Understanding Unknown Unicast Forwarding on EX-series Switches
- Understanding DHCP Snooping for Port Security on EX-series Switches

