

## ethernet-switching-options

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```
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 {
    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.  
Options `static-ip` and `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.

**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

