

## [edit ethernet-switching-options] Configuration Statement Hierarchy

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```
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)
}
interfaces interface-name {
  no-mac-learning;
}
redundant-trunk-group {
  group-name name {
    interface interface-name <primary>;
  }
}
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) {
        bandwidth bandwidth;
        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>;
    }
}
}
}

```

- Related Topics**
- Port Mirroring on EX-series Switches Overview
  - Port Security for EX-series Switches Overview
  - Understanding 802.1X and VoIP on EX-series Switches
  - 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

