

## [edit class-of-service] Hierarchy Level

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```
class-of-service {
  adaptive-shapers {
    adaptive-shaper-name {
      trigger type shaping-rate (bps | percent percentage);
    }
  }
  classifiers {
    type classifier-name {
      forwarding-class class-name {
        loss-priority (high | low | medium-high | medium-low) code-points [ aliases bits ];
      }
      import (classifier-name | default);
    }
  }
  code-point-aliases {
    (dscp | dscp-ipv6 | exp | ieee-802.1 | inet-precedence) {
      alias-name bits;
    }
  }
  drop-profiles {
    profile-name {
      fill-level percentage drop-probability percentage;
      interpolate {
        drop-probability value;
        fill-level value;
      }
    }
  }
  fabric {
    scheduler-map {
      priority (high | low) scheduler scheduler-name;
    }
  }
  forwarding-class-map {
    map-name {
      class class-name queue-num queue-number <restricted-queue queue-number>;
    }
  }
  forwarding-classes {
    class class-name queue-num queue-number priority (high | low);
    queue queue-number class-name priority (high | low);
  }
  forwarding-policy {
    class class-name {
      classification-override {
        forwarding-class class-name;
      }
    }
  }
  next-hop-map map-name {
    forwarding-class class-name {
      discard;
      lsp-next-hop [ lsp-regular-expressions ];
    }
  }
}
```

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        next-hop [ next-hop-names ];
        non-lsp-next-hop;
    }
}
}
fragmentation-maps {
    map-name {
        forwarding-class class-name {
            drop-timeout milliseconds;
            fragment-threshold bytes;
            multilink-class number;
            no-fragmentation;
        }
    }
}
host-outbound-traffic {
    dscp-code-point value;
    forwarding-class class-name;
    translation-table to-802.1p-from-dscp table-name;
}
interfaces {
    ... the interfaces subhierarchy appears after the main [edit class-of-service]
        hierarchy ...
}
loss-priority-maps {
    frame-relay-de (map-name | default) {
        loss-priority level code-points [ 0 1 ];
    }
}
restricted-queues {
    forwarding-class class-name queue queue-number;
}
rewrite-rules {
    (dscp | dscp-ipv6 | exp | frame-relay-de | ieee-802.1 | inet-precedence) rewrite-rule
    {
        forwarding-class class-name {
            loss-priority level code-point (alias | bits);
        }
        import (rewrite-rule | default);
    }
}
routing-instances routing-instance-name {
    classifiers {
        dscp (classifier-name | default);
        dscp-ipv6 (classifier-name | default);
        exp (classifier-name | default);
        ieee-208.1 (classifier-name | default | encapsulated | vlan-tag);
    }
}
scheduler-maps {
    map-name {
        forwarding-class class-name scheduler scheduler-name;
    }
}
schedulers {
    scheduler-name {

```



```

output-traffic-control-profile profile-name;
output-traffic-control-profile-remaining profile-name;
scheduler-map map-name;
scheduler-map-chassis map-name;
shaping-rate bps;
unit logical-unit-number {
    adaptive-shaper adaptive-shaper-name;
    classifiers {
        dscp (classifier-name | default) {
            family [ inet mpls ];
        }
        dscp-ipv6 (classifier-name | default) {
            family [ inet mpls ];
        }
        exp (classifier-name | default);
        ieee-208.1 (classifier-name | default) <vlan-tag (inner | outer)>;
        ieee-208.1ad (classifier-name | default);
        inet-precedence (classifier-name | default);
    }
    forwarding-class class-name;
    fragmentation-map map-name;
    input-scheduler-map map-name;
    input-shaping-rate bps;
    input-traffic-control-profile profile-name shared-instance instance-name;
    loss-priority-maps {
        (map-name | default);
    }
    output-forwarding-class-map map-name;
    output-traffic-control-profile profile-name shared-instance instance-name;
    per-session-scheduler;
    rewrite-rules {
        dscp (rule-name | default) <protocol mpls>;
        dscp-ipv6 (rule-name | default);
        exp (rule-name | default) <protocol [ mpls-any | mpls-inet-both |
            mpls-inet-both-non-vpn ]>;
        exp-push-push-push default;
        exp-swap-push-push default;
        frame-relay-de (rewrite-name | default);
        ieee-802.1 (rewrite-name | default) <vlan-tag (outer | outer-and-inner)>;
        ieee-802.1ad (rewrite-name | default) <vlan-tag (outer | outer-and-inner)>;
        inet-precedence (rewrite-name | default) <protocol mpls>;
    }
    scheduler-map map-name;
    shaping-rate bps;
    translation-table (to-dscp-from-dscp | to-dscp-ipv6-from-dscp-ipv6 |
        to-exp-from-exp | to-inet-precedence-from-inet-precedence) table-name;
    }
}
interface-set interface-set-name {
    excess-bandwidth-share (equal | proportional value);
    input-excess-bandwidth-share (equal | proportional value);
    input-traffic-control-profile profile-name;
    input-traffic-control-profile-remaining profile-name;
    internal-node;
    output-traffic-control-profile profile-name;
}

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        output-traffic-control-profile-remaining profile-name;  
    }  
}
```

**Related Topics** ■ Notational Conventions Used in JUNOS Configuration Hierarchies

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