

## [edit protocols mpls] Hierarchy Level

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The following statements can also be configured at the [edit logical-systems *logical-system-name*] hierarchy level:

```
protocols {
  mpls {
    disable;
    admin-group {
      exclude [ group-names ];
      include-all [ group-names ];
      include-any [ group-names ];
    }
    admin-groups {
      group-name group-value;
    }
    advertisement-hold-time seconds;
    auto-policing {
      class all (drop | loss-priority-high | loss-priority-low);
      class ctnumber (drop | loss-priority-high | loss-priority-low);
    }
    bandwidth bps {
      ct0 bps;
      ct1 bps;
      ct2 bps;
      ct3 bps;
    }
    class-of-service cos-value;
    diffserv-te {
      bandwidth-model {
        extended-mam;
        mam;
        rdm;
      }
      te-class-matrix {
        tnumber {
          priority priority;
          traffic-class ctnumber priority priority;
        }
      }
    }
  }
  explicit-null;
  hop-limit number;
  icmp-tunneling;
  interface (interface-name | all) {
    disable;
    admin-group [group-names];
  }
  ipv6-tunneling;
  label-switched-path lsp-name {
    disable;
    adaptive;
    admin-down;
    admin-group {
```

```

    exclude [ group-names ];
    include-all;
    include-any [ group-names ];
}
auto-bandwidth {
    adjust-interval seconds;
    adjust-threshold percent;
    maximum-bandwidth bps;
    minimum-bandwidth bps;
    monitor-bandwidth;
}
bandwidth bps {
    ct0 bps;
    ct1 bps;
    ct2 bps;
    ct3 bps;
}
class-of-service cos-value;
description text;
fast-reroute {
    (bandwidth bps | bandwidth-percent percent);
    (exclude [ group-names ] | no-exclude);
    hop-limit number;
    (include-all [ group-names ] | no-include-all);
    (include-any [ group-names ] | no-include-any);
}
from address;
hop-limit number;
install {
    destination-prefix/prefix-length <active>;
}
ldp-tunneling;
link-protection;
lsp-attributes {
    encoding-type (ethernet | packet | pdh | sonet-sdh);
    gpid (ethernet | hdlc | ipv4 | ppp);
    signal-bandwidth type;
    switching-type (fiber | lambda | psc-1 | tdm);
}
metric number;
no-cspf;
no-decrement-ttl;
node-link-protection;
optimize-timer seconds;
p2mp path-name;
policing {
    filter filter-name;
    no-auto-policing;
}
preference preference;
primary path-name {
    adaptive;
    admin-group {
        exclude [ group-names ];
        include-all [ group-names ];
        include-any [ group-names ];
    }
}

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    }
    bandwidth bps {
        ct0 bps;
        ct1 bps;
        ct2 bps;
        ct3 bps;
    }
    class-of-service cos-value;
    hop-limit number;
    no-cspf;
    no-decrement-ttl;
    optimize-timer seconds;
    preference preference;
    priority setup-priority reservation-priority;
    (record | no-record);
    select (manual | unconditional);
}
standby;
}
priority setup-priority reservation-priority;
(random | least-fill | most-fill);
(record | no-record);
retry-limit number;
retry-timer seconds;
revert-timer seconds;
secondary path-name {
    adaptive;
    admin-group {
        exclude [ group-names ];
        include-all [ group-names ];
        include-any [ group-names ];
    }
    bandwidth bps {
        ct0 bps;
        ct1 bps;
        ct2 bps;
        ct3 bps;
    }
    class-of-service cos-value;
    hop-limit number;
    no-cspf;
    no-decrement-ttl;
    optimize-timer seconds;
    preference preference;
    priority setup-priority reservation-priority;
    (record | no-record);
    select (manual | unconditional);
    standby;
}
soft-preemption;
standby;
to address;
traceoptions {
    file filename <files number> <size size> <world-readable | no-world-readable>;
    flag flag <flag-modifier> <disable>;
}

```

```

}
log-updown {
  no-trap {
    mpls-lsp-traps;
    rfc3812-traps;
  }
  (syslog | no-syslog);
  trap;
  trap-path-down;
  trap-path-up;
}
no-cspf;
no-decrement-ttl;
no-propagate-ttl;
optimize-aggressive;
optimize-timer seconds;
path path-name {
  (address | hostname) <strict | loose>;
}
path-mtu {
  allow-fragmentation;
  rsvp {
    mtu-signaling;
  }
}
preference preference;
priority setup-priority reservation-priority;
(record | no-record);
revert-timer seconds;
rsvp-error-hold-time seconds;
smart-optimize-timer seconds;
standby;
static-label-switched-path lsp-name {
  bypass bypass-name {
    bandwidth bps;
    description string;
    next-hop (address | interface-name | address/interface-name);
    push out-label;
    to address;
  }
  ingress {
    bandwidth bps;
    class-of-service cos-value;
    description string;
    install {
      destination-prefix <active>;
    }
    link-protection bypass-name name;
    metric metric;
    next-hop (address | interface-name | address/interface-name);
    node-protection bypass-name name next-next-label label;
    no-install-to-address;
    policing {
      filter filter-name;
      no-auto-policing;
    }
  }
}

```

```

        preference preference;
        push out-label;
        to address;
    }
    transit incoming-label {
        bandwidth bps;
        description string;
        link-protection bypass-name name;
        next-hop (address | interface-name | address/interface-name);
        node-protection bypass-name name next-next-label label;
        pop;
        swap out-label;
    }
    statistics {
        auto-bandwidth;
        file filename <files number> <size size> <world-readable | no-world-readable>;
        interval seconds;
    }
    traceoptions {
        file filename <files number> <size size> <world-readable | no-world-readable>;
        flag flag;
    }
    traffic-engineering (bgp | bgp-igp | bgp-igp-both-ribs | mpls-forwarding);
}

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