

Chapter 4

Complete Multicast Configuration Statements

This chapter shows the complete configuration statement hierarchy for the portions of the configuration discussed in this manual, listing all possible configuration statements and showing their level in the configuration hierarchy. When you are configuring the JUNOS software, your current hierarchy level is shown in the banner on the line preceding the `user@host#` prompt.

For a list of the complete configuration statement hierarchy, see the *JUNOS Internet Software Configuration Guide: Getting Started*.

This chapter is organized as follows:

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[edit routing-instances] Hierarchy Level on page 32

[edit routing-options] Hierarchy Level on page 32

[edit protocols] Hierarchy Level

```
[edit]
protocols {
  DVMRP    dvmrp {
            disable;
            export [policy-names];
            import [policy-names];
            interface interface-name {
              disable;
              hello-interval seconds;
              hold-time seconds;
              metric metric;
              mode (forwarding | unicast-routing);
            }
            rib-group group-name;
            inet;
          }
          traceoptions {
            file name <replace> <size size> <files number> <no-stamp>
              <(world-readable | no-world-readable)>;
            flag flag <flag-modifier> <disable>;
          }
        }
}
```

```

IGMP  igmp {
      interface interface-name {
        disable;
        static {
          group group {
            source source;
          }
        }
        version version;
        query-interval seconds;
        query-last-member-interval seconds;
        query-response-interval seconds;
        robust-count number;
        traceoptions {
          file name <replace> <size size> <files number> <no-stamp>
            <(world-readable | no-world-readable)>;
          flag flag <flag-modifier> <disable>;
        }
      }
}

MLD  mld {
      interface interface-name {
        disable;
        static {
          group group {
            source source;
          }
        }
        version version;
      }
      query-interval seconds;
      query-last-member-interval seconds;
      query-response-interval seconds;
      robust-count number;
      traceoptions {
        file name <replace> <size size> <files number> <no-stamp>
          <(world-readable | no-world-readable)>;
        flag flag <flag-modifier> <disable>;
      }
}

MSDP  msdp {
      disable;
      export [ policy-names ];
      group group-name {
        disable;
        export [ policy-names ];
        import [ policy-names ];
        local-address address;
        mode <(mesh-group | standard)>;
      }
      import [ policy-names ];
      local-address address;
      peer address {
        disable;
        export [ policy-names ];
        import [ policy-names ];
        local-address address;
      }
}

```

```

    traceoptions {
        file name <replace> <size size> <files number> <no-stamp>
            <(world-readable | no-world-readable)>;
        flag flag <flag-modifier> <disable>;
    }
}
rib-group group-name;
traceoptions {
    file name <replace> <size size> <files number> <no-stamp>
        <(world-readable | no-world-readable)>;
    flag flag <flag-modifier> <disable>;
}
}
peer address; {
    disable;
    export [ policy-names ];
    import [ policy-names ];
    local-address address;
    traceoptions {
        file name <replace> <size size> <files number> <no-stamp>
            <(world-readable | no-world-readable)>;
        flag flag <flag-modifier> <disable>;
    }
}
traceoptions {
    file name <replace> <size size> <files number> <no-stamp>
        <(world-readable | no-world-readable)>;
    flag flag <flag-modifier> <disable>;
}
}
}
PIM pim {
    disable;
    dense-groups {
        addresses;
    }
    import [ policy-names ];
    interface interface-name {
        disable;
        hello-interval seconds;
        mode (dense | sparse | sparse-dense);
        priority number;
        version version;
    }
    rib-group group-name;
    rp {
        auto-rp (announce | discovery | mapping);
        bootstrap-export [ policy-names ];
        bootstrap-import [ policy-names ];
        bootstrap-priority number;
        local {
            family (inet | inet6) {
                disable;
                address address;
                group-ranges {
                    destination-mask;
                }
            }
            hold-time seconds;
            priority number;
        }
    }
}
}

```

```
static {
  address address {
    version version;
    group-ranges {
      destination-mask;
    }
  }
  traceoptions {
    file name <replace> <size size> <files number> <no-stamp>
      <(world-readable | no-world-readable)>;
    flag flag <flag-modifier> <disable>;
  }
}

SDP/SAP sap {
  disable;
  listen <address> <port port>;
}
```

[edit routing-instances] Hierarchy Level

```
[edit]
routing-instances {
  instance-name {
    protocols {
      pim {
        vpn-group-address class-D-address;
      }
    }
  }
}
```



Note

All statements at the [edit protocols pim] hierarchy level can be configured at the [edit routing-instance *instance-name* protocols pim] hierarchy level.

[edit routing-options] Hierarchy Level

```
[edit]
routing-options {
  multicast {
    scope scope-name {
      interface interface-name;
      prefix destination-prefix;
    }
    rib-groups routing-table-name;
    ssm-groups {
      address;
    }
  }
}
```