

## Configuring MSDP

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To configure the Multicast Source Discovery Protocol (MSDP), include the `msdp` statement:

```
msdp {
  disable;
  active-source-limit {
    maximum number;
    threshold number;
  }
  data-encapsulation (disable | enable);
  export [ policy-names ];
  group group-name {
    ... group-configuration ...
  }
  import [ policy-names ];
  local-address address;
  peer address {
    ... peer-configuration ...
  }
  rib-group group-name;
  source ip-prefix/prefix-length {
    active-source-limit {
      maximum number;
      threshold number;
    }
  }
  traceoptions {
    file filename <files number> <size size> <world-readable | no-world-readable>;
    flag flag <flag-modifier > <disable>;
  }
  group group-name {
    disable;
    export [ policy-names ];
    import [ policy-names ];
    local-address address;
    mode <mesh-group | standard>;
    peer address {
      ... same statements as at the [edit protocols msdp peer address] hierarchy
        level shown just following ...
    }
    traceoptions {
      file filename <files number> <size size> <world-readable | no-world-readable>;
      flag flag <flag-modifier> <disable>;
    }
  }
  peer address {
    disable;
    active-source-limit {
      maximum number;
      threshold number;
    }
    authentication-key peer-key;
  }
}
```

```
default-peer;  
export [ policy-names ];  
import [ policy-names ];  
local-address address;  
traceoptions {  
    file filename <files number> <size size> <world-readable | no-world-readable>;  
    flag flag <flag-modifier> <disable>;  
}  
}
```

You can include this statement at the following hierarchy levels:

- [edit protocols]
- [edit routing-instances *routing-instance-name* protocols]
- [edit logical-systems *logical-system-name* protocols]
- [edit logical-systems *logical-system-name* routing-instances *routing-instance-name* protocols]

For an overview of logical systems and a detailed example of logical system configuration, see the *JUNOS Logical Systems Feature Guide*.

By default, MSDP is disabled.

For a configuration example, see Example: Configuring MSDP.

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