

## Disabling PIM

---

By default, when configured, the PIM protocol is enabled on all interfaces for all families. If desired, you may disable PIM at the protocol, interface, or family hierarchy levels.

The hierarchy in which you configure PIM is critical. In general, the most specific configuration takes precedence. However, if PIM is disabled at the protocol level, then any disable statements with respect to an interface or family are ignored.

For example, the order of precedence for disabling PIM on a particular interface family is:

1. If PIM is disabled at the [edit protocols pim interface *interface-name* family] hierarchy level, then PIM is disabled for that interface family.
2. If PIM is not configured at the [edit protocols pim interface *interface-name* family] hierarchy level, but is disabled at the [edit protocols pim interface *interface-name*] hierarchy level, then PIM is disabled for all families on the specified interface.
3. If PIM is not configured at either the [edit protocols pim interface *interface-name* family] hierarchy level or the [edit protocols pim interface *interface-name*] hierarchy level, but is disabled at the [edit protocols pim] hierarchy level, then the PIM protocol is disabled globally for all interfaces and all families.

The following sections describe how to disable PIM at the various hierarchy levels:

- Disabling the PIM Protocol on page 1
- Disabling PIM on an Interface on page 2
- Disabling PIM for a Family on page 2
- Disabling PIM for a Rendezvous Point on page 3

### Disabling the PIM Protocol

You can explicitly disable the PIM protocol. Disabling the PIM protocol disables the protocol for all interfaces and all families. This is accomplished at the [edit protocols pim] hierarchy:

```
[edit protocols]
pim {
  disable;
}
```

To disable the PIM protocol:

1. Include the **disable** statement:

```
user@host# set protocols pim disable
```

2. You can verify your configuration settings prior to committing them using the **show protocols** command:

```
user@host# run show protocols pim
```

## Disabling PIM on an Interface

You can disable the PIM protocol on a per-interface basis. This is accomplished at the [edit protocols pim interface *interface-name*] hierarchy:

```
[edit protocols]
pim {
  interface interface-name {
    disable;
  }
}
```

To disable PIM for an interface:

1. Include the `disable` statement:

```
user@host# set protocols pim interface fe-0/1/0 disable
```

2. You can verify your configuration settings prior to committing them using the `show protocols pim` command:

```
user@host# run show protocols pim
```

## Disabling PIM for a Family

You can disable the PIM protocol on a per-family basis. This is accomplished at the [edit protocols pim family] hierarchy:

```
[edit protocols]
pim {
  family inet {
    disable;
  }
  family inet6 {
    disable;
  }
}
```

To disable PIM for a family:

1. Include the `disable` statement:

```
user@host# set protocols pim family inet disable
```

```
user@host# set protocols pim family inet6 disable
```

2. You can verify your configuration settings prior to committing them using the `show protocols pim` command:

```
user@host# run show protocols pim
```

## Disabling PIM for a Rendezvous Point

You can disable the PIM protocol for rendezvous point (RP) on a per-family basis. This is accomplished at the [edit protocols pim rp local family] hierarchy:

```
[edit protocols]
pim {
  rp {
    local {
      family inet {
        disable;
      }
      family inet6 {
        disable;
      }
    }
  }
}
```

To disable PIM for an RP family:

1. Use the `disable` statement:

```
user@host# set protocols pim rp local family inet disable
```

```
user@host# set protocols pim rp local family inet6 disable
```

2. You can verify your configuration settings prior to committing them using the `show protocols pim` command:

```
user@host# run show protocols pim
```

---

Published: 2010-04-16