

Configuring Protocol Conditions with Ports

Use the following configuration statements to add general protocol conditions with ports to a classify-traffic condition:

```
policies group name list name rule name traffic-condition name
  protocol-port-condition {
    protocol protocol ;
    protocol-operation protocol-operation ;
    ip-flags ip-flags ;
    ip-flags-mask ip-flags-mask ;
    fragment-offset fragment-offset;
    packet-length packet-length ;
  }
policies group name list name rule name traffic-condition name
  protocol-port-condition destination-port port {
    port-operation port-operation ;
    from-port from-port ;
  }
policies group name list name rule name traffic-condition name
  protocol-port-condition source-port port {
    port-operation port-operation ;
    from-port from-port ;
  }
```

To add general protocol conditions with ports to a classify-traffic condition:

1. From configuration mode, enter the protocol port condition configuration. For example:

```
user@host# edit policies group junos list bodVpn rule pr traffic-condition ctc
protocol-port-condition
```

2. Configure the protocol matched by this classify-traffic condition.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
  protocol-port-condition]
user@host# set protocol protocol
```

3. Configure the policy to match packets with the protocol that is either equal or not equal to the specified protocol.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
  protocol-port-condition]
user@host# set protocol-operation protocol-operation
```

4. (Optional) Configure the value of the IP flags field in the IP header.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
  protocol-port-condition]
user@host# set ip-flags ip-flags
```

5. (Optional) Configure the mask that is associated with the IP flag.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
protocol-port-condition]
user@host# set ip-flags-mask ip-flags-mask
```

6. (Optional) Configure the value of the fragment offset field.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
protocol-port-condition]
user@host# set fragment-offset fragment-offset
```

7. (Optional) Configure the packet length on which to match. The length refers only to the IP packet, including the packet header, and does not include any layer 2 encapsulation overhead.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
protocol-port-condition]
user@host# set packet-length packet-length
```

8. (Optional) Enter the destination port configuration for the protocol port configuration.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
protocol-port-condition]
user@host# edit destination-port
```

9. (Optional) Configure the policy to match packets with a port that is either equal or not equal to the specified port.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
protocol-port-condition destination-port port]
user@host# set port-operation port-operation
```

10. (Optional) Configure the destination port.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
protocol-port-condition destination-port port]
user@host# set from-port from-port
```

11. (Optional) Enter the source port configuration for the protocol port configuration.

```
user@host# up
```

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
protocol-port-condition]
user@host# edit source-port
```

12. (Optional) Configure the policy to match packets with a port that is either equal or not equal to the specified port.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
protocol-port-condition source-port port]
user@host# set port-operation port-operation
```

13. (Optional) Configure the source port.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
 protocol-port-condition source-port port]
user@host# set from-port from-port
```

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
 protocol-port-condition source-port port]
user@host# up
```

14. (Optional) Verify your protocol condition configuration.

```
[edit policies group junos list bodVpn rule pr traffic-condition ctc
 protocol-port-condition]
user@host# show
protocol 17;
protocol-operation 1;
ip-flags ipFlags;
ip-flags-mask ipFlagsMask;
fragment-offset ipFragOffset;
packet-length packetLength;
destination-port {
  port {
    port-operation eq;
    from-port service_port;
  }
}
source-port {
  port {
    port-operation eq;
    from-port service_port;
  }
}
```

- Related Topics**
- Before You Configure Classify-Traffic Conditions
 - Configuring Classify-Traffic Conditions

