

Configuring TCP Conditions

Use the following configuration statements to add TCP conditions to a classify-traffic condition:

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

Because the protocol is already set to TCP, do not change the protocol or protocol-operation options.

```
policies group name list name rule name traffic-condition name tcp-condition  
    destination-port port {  
        port-operation port-operation ;  
        from-port from-port ;  
    }  
policies group name list name rule name traffic-condition name tcp-condition  
    source-port port {  
        port-operation port-operation ;  
        from-port from-port ;  
    }
```

To add TCP conditions to a classify-traffic condition:

1. From configuration mode, enter the TCP configuration. For example:

```
user@host# edit policies group junos list tcpCondition rule pr traffic-condition  
ctc tcp-condition
```

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

```
[edit policies group junos list tcpCondition rule pr traffic-condition ctc tcp-condition]  
user@host# set tcp-flags tcp-flags
```

3. (Optional) Configure the mask associated with TCP flags.

```
[edit policies group junos list tcpCondition rule pr traffic-condition ctc tcp-condition]  
user@host# set tcp-flags-mask tcp-flags-mask
```

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

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

7. (Optional) For JUNOS filter policies, 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 tcpCondition rule pr traffic-condition ctc tcp-condition]
user@host# set packet-length packet-length
```

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

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

10. (Optional) Configure the destination port.

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

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

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

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

13. (Optional) Configure the source port.

```
[edit policies group junos list tcpCondition rule pr traffic-condition ctc tcp-condition
source-port port]
```

```
user@host# set from-port from-port
```

```
[edit policies group junos list tcpCondition rule pr traffic-condition ctc tcp-condition  
source-port port]
```

```
user@host# up
```

```
[edit policies group junos list tcpCondition rule pr traffic-condition ctc tcp-condition  
source-port]
```

```
user@host# up
```

14. (Optional) Verify the TCP condition configuration.

```
[edit policies group junos list tcpCondition rule pr traffic-condition  
ctc tcp-condition]
```

```
user@host# show
```

```
tcp-flags 0;  
tcp-flags-mask 0;  
protocol tcp;  
protocol-operation is;  
ip-flags 0;  
ip-flags-mask 0;  
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

