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# Chapter 10

## Broadcast and Multicast Filter Commands

### Broadcast Filter Commands

#### end

Moves activity to the privileged EXEC level from any level of the CLI except the user EXEC level.

#### EXAMPLE:

To move to the privileged level, enter the following from any level of the CLI.

```
HP9300(config-bcast-filter-id-4)# end
```

```
HP9300#
```

**Syntax:** end

**Possible values:** N/A

**Default value:** N/A

#### exclude-ports

Specifies the ports to which you are applying a Layer 2 broadcast filter. Broadcast filters drop broadcast packets from the outbound queue of the ports you specify.

#### EXAMPLE:

To configure a Layer 2 broadcast filter to filter all types of broadcasts, then apply the filter to ports 1/1, 1/2, and 1/3, enter the following commands:

```
HP9300(config)# broadcast filter 1 any
```

```
HP9300(config-bcast-filter-id-1)# exclude-ports ethernet 1/1 to 1/3
```

```
HP9300(config-bcast-filter-id-1)# write mem
```

#### EXAMPLE:

To configure two filters, one to filter IP UDP traffic on ports 1/1 – 1/4, and the other to filter all broadcast traffic on port 4/6, enter the following commands:

```
HP9300(config)# broadcast filter 1 ip udp
```

```
HP9300(config-bcast-filter-id-1)# exclude-ports ethernet 1/1 to 1/4
```

```
HP9300(config-bcast-filter-id-1)# exit
```

```
HP9300(config)# broadcast filter 2 any
```

```
HP9300(config-bcast-filter-id-2)# exclude-ports ethernet 4/6
HP9300(config-bcast-filter-id-2)# write mem
```

**EXAMPLE:**

To configure an IP UDP broadcast filter and apply that applies only to port-based VLAN 10, then apply the filter to two ports within the VLAN, enter the following commands:

```
HP9300(config)# broadcast filter 4 ip udp vlan 10
HP9300(config-bcast-filter-id-4)# exclude-ports eth 1/1 eth 1/3
HP9300(config-bcast-filter-id-1)# write mem
```

**Syntax:** [no] exclude-ports ethernet <portnum> [to | ethernet <portnum>]

**Possible values:** see above

**Default value:** N/A

**exit**

Moves activity up one level from the current level. In this case, activity will be moved to the interface level.

**EXAMPLE:**

```
HP9300(config-bcast-filter-id-4)# exit
HP9300(config)#
```

**Syntax:** exit

**Possible values:** N/A

**Default value:** N/A

**no**

Disables other commands. To disable a command, place the word **no** before the command.

**quit**

Returns you from any level of the CLI to the User EXEC mode.

**EXAMPLE:**

```
HP9300(config-bcast-filter-id-4)# quit
HP9300>
```

**Syntax:** quit

**Possible values:** N/A

**Default value:** N/A

**show**

Displays a variety of configuration and statistical information about the switch or routing switch. See "Show Commands" on page 20-1.

**write memory**

Saves the running configuration into the startup-config file.

**EXAMPLE:**

```
HP9300(config-bcast-filter-id-4)# wr mem
```

**Syntax:** write memory

**Possible values:** N/A

**Default value:** N/A

**write terminal**

Displays the running configuration of the HP switch or routing switch on the terminal screen.

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**NOTE:** This command is equivalent to the **show running-config** command.

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**EXAMPLE:**

```
HP9300(config-bcast-filter-id-4)# wr term
```

**Syntax:** write terminal

**Possible values:** N/A

**Default value:** N/A

**Multicast Filter Commands****end**

Moves activity to the privileged EXEC level from any level of the CLI except the user EXEC level.

**EXAMPLE:**

To move to the privileged level, enter the following from any level of the CLI.

```
HP9300(config-mcast-filter-id-1)# end
```

```
HP9300#
```

**Syntax:** end

**Possible values:** N/A

**Default value:** N/A

**exclude-ports**

Specifies the ports to which you are applying a Layer 2 multicast filter. Multicast filters drop multicast packets from the outbound queue of the ports you specify.

**EXAMPLE:**

To configure a Layer 2 multicast filter to filter all multicast groups, then apply the filter to ports 2/4, 2/5, and 2/8, enter the following commands:

```
HP9300(config)# multicast filter 1 any
```

```
HP9300(config-mcast-filter-id-1)# exclude-ports ethernet 2/4 to 2/5 ethernet 2/8
```

**EXAMPLE:**

To configure a multicast filter to block all multicast traffic destined for multicast addresses 0100.5e00.5200 – 0100.5e00 on port 4/8, enter the following commands:

```
HP9300(config)# multicast filter 2 0100.5e00.5200 ffff.ffff.ff00
```

```
HP9300(config-mcast-filter-id-2)# exclude-ports ethernet 4/8
```

The software calculates the range by combining the mask with the multicast address. In this example, all but the last two bits in the mask are “significant bits” (ones). The last two bits are zeros and thus match on any value.

**Syntax:** [no] exclude-ports ethernet <portnum> [to | ethernet <portnum>]

**Possible values:** see above

**Default value:** N/A

### **exit**

Moves activity up one level from the current level. In this case, activity will be moved to the interface level.

**EXAMPLE:**

```
HP9300(config-mcast-filter-id-1)# exit
```

```
HP9300(config)#
```

**Syntax:** exit

**Possible values:** N/A

**Default value:** N/A

### **no**

Disables other commands. To disable a command, place the word **no** before the command.

### **quit**

Returns you from any level of the CLI to the User EXEC mode.

**EXAMPLE:**

```
HP9300(config-mcast-filter-id-1)# quit
```

```
HP9300>
```

**Syntax:** quit

**Possible values:** N/A

**Default value:** N/A

### **show**

Displays a variety of configuration and statistical information about the switch or routing switch. See "Show Commands" on page 20-1.

### **write memory**

Saves the running configuration into the startup-config file.

**EXAMPLE:**

```
HP9300(config-mcast-filter-id-1)# wr mem
```

**Syntax:** write memory

**Possible values:** N/A

**Default value:** N/A

### **write terminal**

Displays the running configuration of the HP switch or routing switch on the terminal screen.

---

**NOTE:** This command is equivalent to the **show running-config** command.

---

**EXAMPLE:**

```
HP9300(config-mcast-filter-id-1)# wr term
```

**Syntax:** write terminal

**Possible values:** N/A

**Default value:** N/A