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# Chapter 12

## IP Tunnel Commands

### encap-control

Enables or disables encapsulation of PIM or DVMRP control messages such as probe, route report, and so on using IP-IN-IP encapsulation on an IP Tunnel.

**EXAMPLE:**

```
HP9300 (config-if-5/4)# ip tunnel 192.3.45.6
```

```
HP9300 (config-if-dvmrp-tunnel)# encap on
```

**Syntax:** encap-control on | off

**Possible values:** on, off

**Default value:** off

### 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-if-4/5-tunnel)# end
```

```
HP9300#
```

**Syntax:** end

**Possible values:** N/A

**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-if-4/5-tunnel)# exit
```

```
HP9300 (config-if-4/5)#
```

**Syntax:** exit

**Possible values:** N/A

**Default value:** N/A

### metric

Sets the metric for an IP tunnel for use with either the PIM or DVMRP multicast protocol.

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**NOTE:** Assign a higher metric to an IP tunnel than that of the interface, to ensure that the IP tunnel path takes precedence.

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**EXAMPLE:**

To define an IP tunnel metric (cost) of 15, enter the following:

```
HP9300 (config)# interface 5/2
HP9300 (config-if-5/2)# ip tunnel 192.45.3.2 pim
HP9300 (config-if-pim-tunnel)# metric 15
```

**Syntax:** metric <1-255>

**Possible values:** 1 – 255

**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-if-4/5-tunnel)# 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 23-1.

### ttl-threshold

Specifies how long a packet is considered viable on an IP Tunnel link.

**EXAMPLE:**

```
HP9300 (config-if-3/4)# ip tunnel
HP9300 (config-if-3/4-tunnel)# ttl 60
```

**Syntax:** ttl-threshold <value>

**Possible values:** 1 – 254

**Default value:** 1

### write memory

Saves the running configuration into the startup-config file.

**EXAMPLE:**

```
HP9300 (config-if-3/4-tunnel)# wr mem
```

**Syntax:** write memory

**Possible values:** N/A

**Default value:** N/A

### **write terminal**

Displays the running configuration of the device 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-if-3/4-tunnel)# wr term
```

**Syntax:** write terminal

**Possible values:** N/A

**Default value:** N/A

