
Chapter 11

DVMRP Commands

default-gateway

Defines the default gateway for DVMRP IP multicast routing. If designated as the default gateway, the routing switch must be on a directly connected network for this command to be operational.

EXAMPLE:

```
HP9300(config)# router dvmrp
HP9300(config-dvmrp-router)# default-gateway 192.35.4.1
```

Syntax: default-gateway <ip-addr>

Possible values: valid IP address

Default value: no system default

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-dvmrp-router)# 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 global level.

EXAMPLE:

```
HP9300(config-dvmrp-router)# exit
HP9300(config)#
```

Syntax: exit

Possible values: N/A

Default value: N/A

graft-retransmit-timer

Defines the initial period of time that a DVMRP router sending a graft message, will wait for a graft acknowledgment from an upstream router, before re-transmitting that message.

Subsequent re-transmissions will be sent at an interval of twice that of the preceding interval.

DVMRP must be enabled on the routing switch for this command to be operational.

EXAMPLE:

```
HP9300(config)# router dvmrp
HP9300(config-dvmrp-router)# graft 120
```

Syntax: graft-retransmit-timer <value>

Possible values: 5 – 3600 seconds

Default value: 10 seconds

nbr-timeout

Sets neighbor timeout value. Specifies the period of time that a router will wait before it defines an attached DVMRP neighbor router as down.

DVMRP must be enabled on the routing switch for this command to be operational.

EXAMPLE:

```
HP9300(config)# router dvmrp
HP9300(config-dvmrp-router)# nbr 100
```

Syntax: nbr-timeout <value>

Possible values: 40 – 8000 seconds

Default value: 40 seconds

no

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

probe-interval

Defines how often neighbor probe messages are sent to the ALL-DVMRP-ROUTERS IP multicast group address. A router's probe message lists those neighbor DVMRP routers from which it has received probes.

DVMRP must be enabled on the routing switch for this command to be operational.

EXAMPLE:

```
HP9300(config)# router dvmrp
HP9300(config-dvmrp-router)# probe 10
```

Syntax: probe-interval <value>

Possible values: 5 – 30 seconds

Default value: 10 seconds

prune-age

Defines how long a prune state will remain in effect for a source-routed multicast tree. After the prune age period expires, flooding will resume.

DVMRP must be enabled on the routing switch for this command to be operational.

EXAMPLE:

```
HP9300(config)# router dvmrp
HP9300(config-dvmrp-router)# prune 25
```

Syntax: prune-age <value>

Possible values: 20 – 3600 seconds

Default value: 180 seconds

quit

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

EXAMPLE:

```
HP9300(config-dvmrp-router)# quit
```

```
HP9300>
```

Syntax: quit

Possible values: N/A

Default value: N/A

report-interval

Defines how often routers will propagate their complete routing tables to other neighbor DVMRP routers.

DVMRP must be enabled on the routing switch for this command to be operational.

EXAMPLE:

```
HP9300(config)# router dvmrp
```

```
HP9300(config-dvmrp-router)# report 100
```

Syntax: report-interval <value>

Possible values: 10 – 2000 seconds

Default value: 60 seconds

route-discard-time

Defines the period of time before a route is deleted on a DVMRP router.

DVMRP must be enabled on the routing switch for this command to be operational.

EXAMPLE:

```
HP9300(config)# router dvmrp
```

```
HP9300(config-dvmrp-router)# route-discard-time 50
```

Syntax: route-discard-time <value>

Possible values: 40 – 8000 seconds

Default value: 340 seconds

route-expire-time

Defines how long a route is considered valid without the next route update.

DVMRP must be enabled on the routing switch for this command to be operational.

EXAMPLE:

```
HP9300(config)# router dvmrp
```

```
HP9300(config-dvmrp-router)# route-expire-time 50
```

Syntax: route-expire-time <value>

Possible values: 20 – 4000 seconds

Default value: 200 seconds

show

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

trigger-interval

Defines how often trigger updates, which reflect changes in the network topology, are sent. Changes in a network topology can include a router coming up or going down or changing its metric.

DVMRP must be enabled on the routing switch for this command to be operational.

EXAMPLE:

```
HP9300(config)# router dvmrp
HP9300(config-router)# trig 25
```

Syntax: trigger-interval <value>

Possible values: 5 – 30 seconds

Default value: 5

write memory

Saves the running configuration into the startup-config file.

EXAMPLE:

```
HP9300# 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# wr term
```

Syntax: write terminal

Possible values: N/A

Default value: N/A