

traceoptions

Syntax traceoptions {
 file *filename* <files *number*> <size *size*> <world-readable | no-world-readable> <match
 regex>;
 flag *flag* (detail | disable | receive | send);
}

Hierarchy Level [edit protocols igmp-snooping]

Release Information Statement introduced in JUNOS Release 9.1 for EX-series switches.

Description Define tracing operations for IGMP snooping.

Default The traceoptions feature is disabled by default.

Options file *filename* —Name of the file to receive the output of the tracing operation. Enclose the name within quotation marks. All files are placed in the directory `/var/log`.

files *number* —(Optional) Maximum number of trace files. When a trace file named `trace-file` reaches its maximum size, it is renamed `trace-file.0`, then `trace-file.1`, and so on, until the maximum number of trace files is reached (`xk` to specify KB, `xm` to specify MB, or `xg` to specify gigabytes), at which point the oldest trace file is overwritten. If you specify a maximum number of files, you also must specify a maximum file size with the `size` option.

Range: 2 through 1000

Default: 3 files

flag *flag* —Tracing operation to perform. To specify more than one tracing operation, include multiple flag statements. You can include the following flags:

- all—All tracing operations.
- general—Trace general IGMP snooping protocol events.
- leave—Trace leave group messages (IGMPv2 only).
- normal—Trace normal IGMP snooping protocol events.
- packets—Trace all IGMP packets.
- policy—Trace policy processing.
- query—Trace IGMP membership query messages.
- report—Trace membership report messages.
- route—Trace routing information.
- state—Trace IGMP state transitions.
- task—Trace routing protocol task processing.
- timer—Trace routing protocol timer processing.

match *regex* —(Optional) Refine the output to include lines that contain the regular expression.

no-world-readable—(Optional) Restricted file access to the user who created the file.

size *size* —(Optional) Maximum size of each trace file, in kilobytes (KB), megabytes (MB), or gigabytes (GB). When a trace file named **trace-file** reaches its maximum size, it is renamed **trace-file.0**, then **trace-file.1**, and so on, until the maximum number of trace files is reached. Then the oldest trace file is overwritten. If you specify a maximum number of files, you also must specify a maximum file size with the **files** option.

Syntax: *xk* to specify KB, *xm* to specify MB, or *xg* to specify gigabytes

Range: 10 KB through 1 gigabytes

Default: 128 KB

world-readable—(Optional) Enable unrestricted file access.

Required Privilege Level

routing—To view this statement in the configuration.

routing-control—To add this statement to the configuration.

Related Topics

- Example: Configuring IGMP Snooping on EX-series Switches
- Configuring IGMP Snooping (CLI Procedure)