

traceoptions

Syntax traceoptions {
 file *filename* <files *number*> <size *maximum-file-size*> <world-readable |
 no-world-readable>;
 flag *flag* <disable>;
}

Hierarchy Level [edit protocols lldp],
[edit routing-instances *routing-instance-name* protocols lldp]

Release Information Statement introduced in JUNOS Release 9.6.

Description Set LLDP protocol-level tracing options.

Default The default LLDP protocol-level trace options are inherited from the global `traceoptions` statement.

Options `disable`—(Optional) Disable the tracing operation. One use of this option is to disable a single operation when you have defined a broad group of tracing operations, such as `all`.

`file filename`—Name of the file to receive the output of the tracing operation. Enclose the name in quotation marks. We recommend that you place spanning-tree protocol tracing output in the file `/var/log/stp-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. Then, the oldest trace file is overwritten.

If you specify a maximum number of files, you must also specify a maximum file size with the `size` option.

Range: 2 through 1000 files

Default: 1 trace file only

`flag`—Tracing operation to perform. To specify more than one tracing operation, include multiple `flag` statements. The following are the LLDP-specific tracing options:

- `all`—Trace all operations.
- `config`—Log configuration events.
- `interface`—Trace interface update events.
- `protocol`—Trace protocol information.

- `rtsock`—Trace socket events.
- `vlan`—Trace vlan update events.

The following are the global tracing options:

- `all`—All tracing operations.
- `config-internal`—Trace configuration internals.
- `general`—Trace general events.
- `normal`—All normal events.

Default: If you do not specify this option, only unusual or abnormal operations are traced.

- `parse`—Trace configuration parsing.
- `policy`—Trace policy operations and actions.
- `regex-parse`—Trace regular-expression parsing.
- `route`—Trace routing table changes.
- `state`—Trace state transitions.
- `task`—Trace protocol task processing.
- `timer`—Trace protocol task timer processing.

`no-world-readable`—(Optional) Prevent any user from reading the log file.

Default: If you do not include this option, tracing output is appended to an existing trace file.

`size` *maximum-file-size*—(Optional) Maximum size of each trace file, in kilobytes (KB) or megabytes (MB). When a trace file named *trace-file* reaches this size, it is renamed *trace-file.0*. When the *trace-file* again reaches its maximum size, *trace-file.0* is renamed *trace-file.1* and *trace-file* is renamed *trace-file.0*. This renaming scheme continues until the maximum number of trace files is reached. Then the oldest trace file is overwritten.

If you specify a maximum file size, you must also specify a maximum number of trace files with the `files` option.

Syntax: `xk` to specify KB, `xm` to specify MB, or `xg` to specify GB

Range: 10 KB through the maximum file size supported on your system

Default: 1 MB

`world-readable`—(Optional) Allow any user to read the log file.

Required Privilege Level

`routing`—To view this statement in the configuration.

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

Related Topics ■ Tracing LLDP Operations

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