

traceoptions (DHCP Relay Agent)

Syntax	<pre>traceoptions { file <filename> <files number> <match regular-expression > <size maximum-file-size> <world-readable no-world-readable>; flag flag; no-remote-trace; }</pre>
Hierarchy Level	[edit forwarding-options dhcp-relay], [edit logical-systems <i>logical-system-name</i> forwarding-options dhcp-relay], [edit logical-systems <i>logical-system-name</i> routing-instances <i>routing-instance-name</i> forwarding-options dhcp-relay], [edit routing-instances <i>routing-instance-name</i> forwarding-options dhcp-relay]
Release Information	Statement introduced in JUNOS Release 8.5.
Description	Configure tracing operations for extended DHCP relay agent processes.
Default	If you do not include this statement, no tracing operations are performed.
Options	<p><i>file-name</i>—Name of the file to receive the output of the tracing operation. Enclose the name in quotation marks (“ ”). All files are placed in a file named <i>jdhcpd</i> in the directory <i>/var/log</i>. If you include the file statement, you must specify a filename.</p> <p><i>files number</i>—(Optional) Maximum number of trace files. When a trace file named <i>trace-file</i> reaches its maximum size, it is renamed <i>trace-file.0</i>, then <i>trace-file.1</i>, 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 size option.</p> <p>Range: 2 through 1000 Default: 3 files</p> <p><i>flag flag</i>—Tracing operation to perform. To specify more than one tracing operation, include multiple flag statements. You can include the following flags:</p> <ul style="list-style-type: none">■ all—Trace all events■ auth—Trace authentication events■ database—Trace database events■ dhcpv6-general—Trace miscellaneous DHCPv6 events.■ dhcpv6-io—Trace I/O operations for DHCPv6.■ dhcpv6-packet—Trace DHCPv6 packet decoding operations.■ dhcpv6-packet-option—Trace DHCPv6 option decoding operations.■ dhcpv6-rpd—Trace routing protocol process events for DHCPv6.

- `dhcpv6-session-db`—Trace session database operations for DHCPv6.
- `dhcpv6-state`—Trace changes in state for DHCPv6 operations.
- `fwd`—Trace firewall process events
- `general`—Trace miscellaneous events
- `ha`—Trace high availability-related events
- `interface`—Trace interface operations
- `io`—Trace I/O operations
- `packet`—Trace packet decoding operations
- `packet-option`—Trace DHCP option decoding operations
- `performance`—Trace performance measurement operations.
- `profile`—Trace profile operations.
- `rpd`—Trace routing protocol process events
- `rtsock`—Trace routing socket operations
- `session-db`—Trace session database operations
- `state`—Trace changes in state
- `statistics`—Trace baseline statistics.
- `ui`—Trace user interface operations

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

`no-remote-trace`—Disable remote tracing.

`no-world-readable`—(Optional) Disable unrestricted file access.

`size size`—(Optional) Maximum size of each trace file, in kilobytes (KB), megabytes (MB), or gigabytes (GB). If you specify a maximum file size, you also must 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 1 GB

Default: 128 KB

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

The remaining statements are explained separately.

Required Privilege Level `interface`—To view this statement in the configuration.
`interface-control`—To add this statement to the configuration.

Related Topics ■ Tracing Extended DHCP Operations

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